TCU Computer Science

Project Pulse Use Cases

Version <1.0>

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Revision History

Date	Version	Description	Author
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Use Cases

Use Case ID and Name

Give each use case a unique integer sequence number identifier. State a concise name for the use case that indicates the value the use case would provide to some user. Begin with an action verb, followed by an object.

Author and Date Created

Enter the name of the person who initially wrote this use case and the date it was written.

Primary and Secondary Actors

An actor is a person or other entity external to the software system being specified who interacts with the system and performs use cases to accomplish tasks. Different actors often correspond to different user classes, or roles, identified from the customer community that will use the product. Name the primary actor that will be initiating this use case and any other secondary actors who will participate in completing execution of the use case.

Trigger

Identify the business event, system event, or user action that initiates the use case. This trigger alerts the system that it should begin testing the preconditions for the use case so it can judge whether to proceed with execution.

Description

Provide a brief description of the reason for and outcome of this use case, or a high-level description of the sequence of actions and the outcome of executing the use case.

Preconditions

List any activities that must take place, or any conditions that must be true, before the use case can be started. The system must be able to test each precondition. Number each precondition. Example: PRE-1: User's identity has been authenticated.

Postconditions

Describe the state of the system at the successful conclusion of the use case execution. Label each postcondition in the form POST-X, where X is a sequence number. Example: POST-1: Price of item in the database has been updated with the new value.

Main Success Scenario/Normal Flow

Provide a description of the user actions and corresponding system responses that will take place during execution of the use case under normal, expected conditions. This dialog sequence will ultimately lead to accomplishing the goal stated in the use case name and description. Show a numbered list of actions performed by the actor, alternating with responses provided by the system. The normal flow is numbered "X.0", where "X" is the Use Case ID.

Extensions:

• Alternative Flows

Document other successful usage scenarios that can take place within this use case. State the alternative flow, and describe any differences in the sequence of steps that take place. Number each alternative flow in the form "X.Y", where "X" is the Use Case ID and Y is a sequence number for the alternative flow. For example, "5.3" would indicate the third alternative flow for use case number 5. Indicate where each alternative flow would branch off from the normal flow, and if pertinent, where it would rejoin the normal flow.

• Exceptions

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Describe any anticipated error conditions that could occur during execution of the use case and how the system is to respond to those conditions. Number each alternative flow in the form "X.Y.EZ", where "X" is the Use Case ID, Y indicates the normal (0) or alternative (>0) flow during which this exception could take place, "E" indicates an exception, and "Z" is a sequence number for the exceptions. For example "5.0.E2" would indicate the second exception for the normal flow for use case number 5. Indicate where in the normal (or an alternative) flow each exception could occur.

Priority

Indicate the relative priority of implementing the functionality required to allow this use case to be executed. Use the same priority scheme as that used for the functional requirements.

Frequency of Use

Estimate the number of times this use case will be performed per some appropriate unit of time. This gives an early indicator of throughput, concurrent usage loads, and transaction capacity.

Business Rules

List any business rules that influence this use case. Don't include the business rule text here, just its identifier so the reader can find it in another repository when needed.

Associated Information

Identify any additional requirements, such as quality attributes, for the use case that may need to be addressed during design or implementation. Also list any associated functional requirements that aren't a direct part of the use case flows but which a developer needs to know about. Describe what should happen if the use case execution fails for some unanticipated or systemic reason (e.g., loss of network connectivity, timeout). If the use case results in a durable state change in a database or the outside world, state whether the change is rolled back, completed correctly, partially completed with a known state, or left in an undetermined state as a result of the exception.

Assumptions

List any assumptions that were made regarding this use case or how it might execute.

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Use Case List

Primary Actor	Use Cases
Admin	UC-1: Create a rubric
	UC-2: Find senior design sections
	UC-3: View a senior design section
	UC-4: Create a senior design section
	UC-5: Edit a senior design section
	UC-6: Set up active weeks for a senior design section
	UC-7: Find senior design teams
	UC-8: View a senior design team
	UC-9: Create a senior design team
	UC-10: Edit a senior design team
	UC-11: Invite students to join a senior design section
	UC-12: Assign students to senior design teams
	UC-13: Remove a student from a senior design team
	UC-14: Delete a senior design team
	UC-15: Find students
	UC-16: View a student
	UC-17: Delete a student
	UC-18: Invite instructors to register an account
	UC-19: Assign instructors to senior design teams
	UC-20: Remove an instructor from a senior design team
	UC-21: Find instructors
	UC-22: View an instructor
	UC-23: Deactivate an instructor
	UC-24: Reactivate an instructor
Student	UC-25: Set up a student account
	UC-26: Edit an account
	UC-27: Manage activities in a weekly activity report
	UC-28: Submit a peer evaluation for the previous week
	UC-29: View her own peer evaluation report
Instructor	UC-30: Set up an instructor account
	UC-31: Generate a peer evaluation report of the entire senior design section
	UC-32: Generate a WAR report of a senior design team
	UC-33: Generate a peer evaluation report of a student
	UC-34: Generate a WAR report of the student

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Use Case 1: The Admin creates a rubric

UC ID and Name:	UC-1: Create a rubric	
Created By:		Date Created:
Primary Actor:	Admin	Secondary Actors:
Trigger:	The Admin indicates to creat	
Description:	The Admin wants to create a new rubric, so that the students can use it for assessing peer	
1	performance effectively.	
Preconditions:	PRE-1. The Admin is logged	l into the System.
Postconditions:	POST-1. The new rubric is st	tored in the System.
Main Success	1. The Admin indicates to	create a new rubric.
Scenario:	2. The System asks the Admin to enter the details of this new rubric according to the	
		Associated Information of this use case.
		etails of this new rubric and confirms that she has finished.
		ne Admin's inputs according to the "Details" defined in the
	Associated Information	
		e details of the new rubric and asks the Admin to confirm the
	creation.	
		rms the creation (continues the normal flow) or chooses to
	modify the details (return 7. The System saves the notice of the following that the modern saves the notice of the following that the following the following the following that the following th	ew rubric and informs the Admin that this rubric has been
	created.	ew rubite and informs the Admin that this rubite has been
	8. Use case ends.	
Extensions:	4a. Input validation rule violation:	
Enteriore.		ne Admin that an input validation rule is violated and displays
	the nature and location of	
	4a2. The Admin corrects	the mistake and returns to step 4 of the normal flow.
Priority:	High	
Frequency of Use:	1 user, 1 usage per year.	
Business Rules:		
Associated	Details:	
Information:		be unique): E.g., Peer Eval Rubric v1
		ch criterion has a name, a description, and a max score (must
	be positive and can be a decimal number).	
	For example:	
	Criterion 1:	
	Criterion: Quality of work	
		e the quality of this teammate's work? (1-10)
	Max score: 10	
	Criterion 2:	
	Criterion: Productivity	
	Description: How productive is this teammate? (1-10)	
	Max score: 10	
	Cuitanian 2	
	Criterion 3:	
	Criterion: Initiative	
	Description: How proactive is this teammate? (1-10)	
	Max score: 10	

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	Criterion 4: Criterion: Courtesy Description: Does this teammate treat others with respect? (1-10) Max score: 10
	Criterion 5: Criterion: Open-mindedness Description: How well does this teammate handle criticism of their work? (1-10) Max score: 10
	Criterion 6: Criterion: Engagement in meetings Description: How is this teammate's performance during meetings? (1-10) Max score: 10
	The Admin shall be able to cancel the use case at any time prior to submitting it.
Related Use Cases	
Assumptions:	
Open Issues:	

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Use Case 2: The Admin finds senior design sections

UC ID and Name:	LIC 1. Find a	miar dagian	aaatiana				
	UC-1: Find senior design sections Date Created:						
Created By:	A 1 .						
Primary Actor:	Admin	1:	Secondary				
Trigger:			nd senior design				
Description:	The Admin wants to find senior design sections which match specific criteria, so that she						
5 10	can decide what to do next.						
Preconditions:	PRE-1. The Admin is logged into the System. POST-1. A list of matching senior design sections is returned and displayed to the Admin.						
Postconditions:				ections is	returned an	d displayed to	the Admin.
	It is possible t						
Main Success			s to find senior de				
Scenario:			Admin to enter s			ng to the "Searc	ch criteria"
			iated Information			.1 . 1 . 1 . 0	
			ne or more search	values an	id confirms	that she has fir	iished
	entering.			4: 41 4	4.1.41		
	4. The Syst	em finas ali	senior design sec	tions that	match the	provided searci	i criteria
		am diamlaria	the matching ser	ion docion	. aaatiana a	acardina to tha	"Coorob
			gy" and the "Sort				
	of this us		gy and the Sort	Ciliena	uermeu m t	ne Associateu i	mormation
Extensions:	6. Use case ends.4a. No matching senior design sections are found:						
Extensions.			s the Admin that			esion sections a	re found
	4a2. The Admin either chooses to <u>UC-3: Create a senior design section</u> or chooses to terminate the use case or chooses to return to step 2 of the normal flow.						
Priority:	High				0 - 0 - 0 - 0		
Frequency of Use:	1 user, averag	e of 5 usage	es per week				
Business Rules:	1 4501, 410148	v or v usuge	o per ween.				
Associated	Search criteria	a (aka searcl	h fields, search at	ributes/ni	roperties se	earch details se	archable
Information:	qualities):	a (una scarci	ir ricias, scarcii at	irroutes/pr	operties, se	dien details, se	archaoic
information.	Search	Data type	Validation rule	Securit	ty/access	Reference to	1
	property			concer	ns	glossary	
	name	Ct.	0 1				
	Section name	String	Optional				l
	Coords regulte	diamlar, atra	staar (anaaifr wh	ah mranar	tion to diam	lov for each me	tahina
	Search results display strategy (specify which properties to display for each matching						
	senior design section): • Section name, team names						
	Sort criteria:						
	Section name in descending order, team names are in ascending order						
Related Use Cases:	- 5000	on name in	arsonania order	,	are iii u	stonamy order	
Assumptions:							
Open Issues:							
Open issues.							

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Use Case 3: The Admin views a senior design section

UC ID and Name:	UC-2: View a senior design section				
Created By:	Date Created:				
Primary Actor:	Admin	dmin Secondary Actors:			
Trigger:	The Admin indicates to view the details of a senior design section.				
Description:	The Admin wants to v	iew the	details of a senior desi	gn section, so tha	at she can get a
	better idea of the senio	or desig	n section.		
Preconditions:	PRE-1. The Admin is	logged	into the System.		
Postconditions:			ecified senior design se		
Main Success	1. The Admin indica	ates to	view the details of a ser	nior design section	on.
Scenario:	2. The Admin finds	a list o	f senior design sections	through <u>UC-1: I</u>	Find senior design
	sections.				
		s the lis	at and chooses to view t	he details of one	specific senior
	design section.				
			d displays the details of		
			in the Associated Inform		Security/access
			Business Rules of this		
		s the de	tails of this senior designation	gn section.	
Г.	6. Use case ends.				
Extensions:	TT' 1				
Priority:	High		1.		
Frequency of Use:	1 user, average of 5 us	ages pe	er week.		
Business Rules: Associated	Details:				
Information:		ata type	Editability	Security/access	Reference to
illioilliation.	1 Toperty name D	ata type	Editability	concerns	glossary
	Section name St	tring			
	startDate St	tring			
	endDate S	tring			
	Teams, team				
	members, and				
	Instructors not				
	assigned to a team				
	Students not				
	assigned to a team				
	Rubric used				
D.1.4.1II C					
Related Use Cases:					
Assumptions:					
Open Issues:					

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Use Case 4: The Admin creates a senior design section

UC ID and Name:	UC-3: Create a senior design	section				
Created By:	2. Create a semior design	Date Created:				
Primary Actor:	Admin	Secondary Actors:				
Trigger:			l action			
	The Admin indicates to creat					
Description:		new senior design secti	on, so that she can invite students to			
D 11.1	join the section.	1:				
Preconditions:	PRE-1. The Admin is logged		1 0			
Postconditions: Main Success	POST-1. The new senior des 1. The Admin indicates to	•	·			
Scenario:	The System asks the Acaccording to the "Detail	Imin to enter the details s" defined in the Associatails of this new senior	of this new senior design section iated Information of this use case. design section and confirms that she			
	6. The System displays the	e criteria of the rubric.				
	7. The Admin confirms the		1: 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4.			
	8. The System validates th Associated Information		ding to the "Details" defined in the			
	9. The System validates th	at the creation of the ne	w senior design section will not ording to the "Duplication detection			
	rules" defined in the As					
		10. The System displays the details of the new senior design section and asks the Admin				
	to confirm the creation.					
	11. The Admin either confirms the creation (continues the normal flow) or chooses to					
	modify the details (return to step 3). 12. The System sayes the new senior design section and informs the Admin that this					
	12. The System saves the new senior design section and informs the Admin that this					
	senior design section has been created.					
F-4	13. Use case ends. 5a. Rubric does not exist or the Admin wants to create a new rubric:					
Extensions:						
	5a1. The Admin chooses		<u>c</u> .			
	5a2. Returns to step 6 of		ha wuhwia.			
	7a. The Admin indicates to					
			the max score of a criterion. See the			
	Associated Information f					
	7a2. The System saves th	•				
	7a3. Returns to step 6 of 8a. Input validation rule vi					
			alidation rule is violated and displays			
	the nature and location of	-	alidation rule is violated and displays			
			to step 8 of the normal flow.			
			•			
	9a. The System finds possible duplicates from the existing senior design sections: 9a1. The System alerts the Admin that the senior design section she is trying to create					
	already exists in the System.					
	9a2. The Admin either chooses to correct the mistake and return to step 8 of the					
	normal flow or chooses to terminate the use case.					
Priority:	High					
Frequency of Use:	1 user, 1 usage per year.					
1 requeries of osc.	1 abot, 1 abage per year.					

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Business Rules:	
Associated	Details:
Information:	• Section name: E.g., Section 2023-2024
	• Start and end date of the section: E.g., 08/21/2023 and 05/01/2024
	Editing a rubric:
	When the Admin edits an existing rubric, behind the scenes, the System shall first
	duplicate the existing rubric and then let the Admin edit it. In other words, a new rubric is created.
	Duplication detection rules:
	Section name is used as the unique identifier for a section.
	The Admin shall be able to cancel the use case at any time prior to submitting it.
Related Use Cases	The Admin may first choose to <u>UC-1: Find senior design sections</u> but cannot find any,
	then decide to create one.
Assumptions:	
Open Issues:	

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Use Case 5: The Admin edits a senior design section

	1						
UC ID and Name:	UC-4: Edit a seni	or design s	ection				
Created By:			Da	te Created:			
Primary Actor:	Admin		Seconda	ary Actors:			
Trigger:	The Admin indicates to change the details of an existing senior design section.				on.		
Description:	The Admin wants	to change	the details of	of an existing	senior des	ign section,	so that the
1	section information	_		_	,		
Preconditions:		PRE-1. The Admin is logged into the System.					
Postconditions:	POST-1. Changes				are stored in	the Systen	n
Main Success	1. The Admin i						
Scenario:	2. The Admin v						
	senior design			2	,		
	3. The Admin of		change the	letails of this	senior desi	ign section.	
	4. The System		-			-	
	allowed acco						
	"Security/aco						
	5. The Admin r						
	has finished		U	υ			
			he Admin's	changes and	alerts warn	ing messag	es according to
	the "Details"						C
	7. The Admin a	acknowled	ges the warn	ings and cho	oses to con	tinue.	
	8. The System	displays th	e updated de	etails of this	senior desig	gn section a	nd alerts the
	Admin to co						
	9. The Admin 6	either conf	irms the cha	nge (continue	es the norm	al flow) or	chooses to
	continue to c	9. The Admin either confirms the change (continues the normal flow) or chooses to continue to change the details (return to step 5).					
	10. The System saves the changes, carries out the effect of change according to the						
	"Details" det	fined in the	e Associated	Information	of this use	case, and in	nforms the
	Admin that t	his senior	design section	on has been c	hanged.		
	11. Use case end	ls.					
Extensions:	6a. Input validat	ion rule vi	iolation:				
	6a1. The System alerts the Admin that an input validation rule is violated and displays						
	the nature and location of the error.						
	6a2. The Adm	in corrects	the mistake	and returns	to step 6 of	the normal	flow.
Priority:	High						
Frequency of Use:	1 user, average of	1 usage pe	er year.				
Business Rules:							
Associated	Details:						
Information:	Property name	Data type	Editability	Validation	Effect of	Warning	Reference
	-			rule	change		to glossary
	Section name Start and end	String	Yes Yes				
	date of the		Yes				
	section						
	Rubric used						
	The Admin shall be able to cancel the use case at any time prior to submitting it.						
Related Use Cases:							
Assumptions:							
Open Issues:							
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Use Case 6: The Admin sets up active weeks for a senior design section

UC ID and Name:	UC-5: Set up active weeks for	or a senior design section	n	
Created By:		Date Created:		
Primary Actor:	Admin	Secondary Actors:		
Trigger:	The Admin indicates to set u	p active weeks for a sen	ior design section.	
Description:	The Admin wants to set up w	eeks for a section, so the	nat the senior design students know in	
	which weeks they need to su	bmit WARs and peer ev	aluations.	
Preconditions:	PRE-1. The Admin is logged	into the System.		
	PRE-2. At least one senior do			
Postconditions:	POST-1. The active weeks for		•	
Main Success	1. The Admin indicates to			
Scenario:	2. The System displays all of the section.	the weeks of this section	on according to the start and end date	
	3. The Admin specifies the weeks during which the students do not need to submit WARs and peer evaluations, and confirms that she has finished.			
	4. The System displays the active weeks of the section and asks the Admin to confirm the setup.5. The Admin either confirms the setup (continues the normal flow) or chooses to			
	modify the details (return to step 3).6. The System saves the active weeks for this section and informs the Admin that this setup has been done.7. Use case ends.			
Extensions:				
Priority:	High			
Frequency of Use:	1 user, 1 usage per year.			
Business Rules:	BR-2			
Associated Information:	The Admin shall be able to cancel the use case at any time prior to submitting it.			
Related Use Cases				
Assumptions:				
Open Issues:				

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Use Case 7: The Admin/Instructor finds senior design teams

UC ID and Name:	UC-7: Find senior design teams								
Created By:				Created:					
Primary Actor:	Admin, Instructor Secondary Actors:								
Trigger:	The User indicates to find senior design teams.								
Description:	The User wants to find senior design teams which match specific criteria, so that she can								
	decide what to do next.								
Preconditions:	PRE-1. The User	is logg	ed into the System						
Postconditions:	POST-1. A list of	f matchi	ng senior design to	eams is returned and	displayed to the	User. It is			
	possible that the								
Main Success			to find senior design						
Scenario:				rch values according	g to the "Search c	riteria"			
			ciated Information						
		iters one	or more search va	alues and confirms the	hat she has finish	ed			
	entering.								
		finds al	l senior design tea	ms that match the pr	rovided search cri	iteria			
	values.								
				nior design teams acc					
			egy" and the "Sort	criteria" defined in	the Associated In	tormation			
	of this use c								
Extensions:	6. Use case en		1	e 1					
Extensions:			design teams are		sian taama ara fas	d			
				matching senior designment of the control of the co					
				urn to step 2 of the n		S to			
Priority:	High	use cas	e of chooses to fee	uni to step 2 of the h	iomiai now.				
Frequency of Use:	2 users, average	of 2 usa	ges per week.						
Business Rules:			9 k						
Associated	Search criteria (a	ka searc	h fields, search at	tributes/properties, s	earch details, sea	rchable			
Information:	qualities):		,	1 1 /	,				
	Search property	Data	Validation rule	Default value	Reference				
	name	type			to glossary				
	Section Id Section name	String	Optional						
	Team name	String	Optional						
	Instructor	a a a a a	Optional						
		-							
	Search results dis	splay str	ategy (specify wh	Search results display strategy (specify which properties to display for each matching					
	senior design team):								
	senior design tea	m):		ion properties to disp					
	Team na	ame		ion properties to disp					
	Team naTeam de	ame escriptio	'n	ton properties to unsp					
	Team naTeam deTeam w	ame escription ebsite U	'n	en proporties to disp					
	Team naTeam doTeam wTeam m	ame escription ebsite Unembers	'n	en proporties to disp					
	 Team na Team de Team w Team m Instructe 	ame escription ebsite Unembers	'n	en proporties to disp					
	 Team na Team de Team w Team m Instructe Sort criteria: 	ame escription ebsite Unembers ors	n JRL						
	 Team na Team de Team w Team m Instructe Sort criteria: First, se 	ame escription ebsite Undershers ors	n JRL me in descending	order					
Polated Use Coses	 Team na Team de Team w Team m Instructe Sort criteria: 	ame escription ebsite Undershers ors	n JRL	order					
Related Use Cases: Assumptions:	 Team na Team de Team w Team m Instructe Sort criteria: First, se 	ame escription ebsite Undershers ors	n JRL me in descending	order					

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Use Case 8: The Admin/Instructor views a senior design team

UC ID and Name:	UC-8: View a senior design team				
Created By:		Date Created:			
Primary Actor:	Admin, Instructor	Secondary Actors:			
Trigger:	The User indicates to view	the details of a senior des	sign team.		
Description:	The User wants to view the	details of a senior design		e can get a better	
	idea of the senior design te				
Preconditions:	PRE-1. The User is logged				
Postconditions:	POST-1. The details of the	<u> </u>		to the User.	
Main Success Scenario:	 The User indicates to view the details of a senior design team. The User finds a list of senior design teams through <u>UC-7</u>: Find senior design teams. The User views the list and chooses to view the details of one specific senior design team. The System retrieves and displays the details of this senior design team according to the "Details" defined in the Associated Information and the "Security/access concerns" defined in the Business Rules of this use case. The User views the details of this senior design team. Use case ends. 				
Extensions:	o. Ose case chas.				
Priority:	High				
Frequency of Use:	2 users, average of 2 usage	s per week.			
Business Rules:					
Associated	Details:				
Information:	Property name Data ty	pe Editability	Security/access concerns	Reference to glossary	
	Team name				
	Team description				
	Team website URL				
	Team members				
	Instructors		1		
Related Use Cases:				_	
Assumptions:					
Open Issues:					

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Use Case 9: The Admin creates a senior design team

HG ID 111	11000					
UC ID and Name:	UC-9: Create a senior design					
Created By:		Date Created:				
Primary Actor:	Admin	Secondary Actors:				
Trigger:	The Admin indicates to create a new senior design team.					
Description:	The Admin wants to create a	new team, so that stude	ents can be assigned to it.			
Preconditions:	PRE-1. The Admin is logged					
Postconditions:			System			
Main Success Scenario:	 The Admin indicates to create a new senior design team for a senior design section. The System asks the Admin to enter the details of this new senior design team according to the "Details" defined in the Associated Information of this use case. The Admin enters the details of this new senior design team and confirms that she has finished. The System validates the Admin's inputs according to the "Details" defined in the Associated Information of this use case. The System validates that the creation of the new senior design team will not duplicate any existing team according to the "Duplication detection rules" defined in the Associated Information of this use case. The System displays the details of the new senior design team and asks the Admin to confirm the creation. The Admin either confirms the creation (continues the normal flow) or chooses to modify the details (return to step 3). The System saves the new senior design team and informs the Admin that this team has been created. 					
	9. Use case ends.					
Extensions:	the nature and location of 4a2. The Admin corrects 5a. The System finds possib 5a1. The System alerts the already exists in the System.	e Admin that an input verified the error. The mistake and returns the duplicates from the e Admin that the senior term.	design team she is trying to create take and return to step 4 of the			
Priority:		o terminate the use case.				
Frequency of Use:	High					
Business Rules:	1 user, 3-10 usages per year.	1 user, 5-10 usages per year.				
HIIGINAGG PILIAG						
	D-4-11-					
Associated Information:	Details: Senior design team name: E. Team description Team website URL	g., Peer Evaluation Tool	team			
Associated	Senior design team name: E. Team description	unique				
Associated	Senior design team name: E. Team description Team website URL Duplication detection rules: • Team name must be The Admin shall be able to c	unique ancel the use case at any				
Associated Information:	Senior design team name: E. Team description Team website URL Duplication detection rules: Team name must be The Admin shall be able to come The Admin may first choose	unique ancel the use case at any	y time prior to submitting it.			
Associated Information: Related Use Cases	Senior design team name: E. Team description Team website URL Duplication detection rules: Team name must be The Admin shall be able to come The Admin may first choose	unique ancel the use case at any	y time prior to submitting it.			

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Use Case 10: The Admin edits a senior design team

UC ID and Name:	UC-10: Edit a sen	ior design	team				
Created By:			Da	te Created:			
Primary Actor:	Admin		Second	ary Actors:			
Trigger:	The Admin indicates to change the details of an existing senior design team.					1.	
Description:	The Admin wants						
Preconditions:	PRE-1. The Admi				beiner desig	511 1041111	
Postconditions:	POST-1. Changes				stored in t	he System	
Main Success	1. The Admin in						team
Scenario:			_				View a senior
Scenario.	design team.	iews the c	icians of this	s selliol desig	zii teaiii tiiit	ougii <u>OC-6.</u>	view a semior
	3. The Admin c	hooses to	change the	details of this	s senior des	ion team	
	4. The System a						n where
	allowed acco						
	"Security/acc						
							ns that she has
	finished chan		inges to tims.	semor design	team anti	SHC COMMI	ns that she has
		~ ~	he Admin's	changes and	alerts warn	ing messag	es according to
	the "Details"						es according to
	7. The Admin a						
	8. The System of		-	-			l alerts the
	Admin to cor			cturis or time	semor desig	511 (04111 411)	t diores the
	9. The Admin e			nge (continu	es the norm	nal flow) or	chooses to
	continue to c			•			
	10. The System s					nge accordi	ng to the
		"Details" defined in the Associated Information of this use case, and informs the Admin that this senior design team has been changed.					
	11. Use case ends.						
Extensions:		6a. Team name conflict:					
	6a1. The Syste		he Admin th	at the team n	ame has be	en used.	
	6a2. The Admi						l flow.
Priority:	High				<u> </u>		
Frequency of Use:	1 user, average of	6 usages i	ner vear				
Business Rules:	1 does, average of	o usuges	oer year.				
Associated	Details:						
Information:	Property name	Data	Editability	Validation	Effect of	Warning	Reference
information.		type	Zuitinoiiity	rule	change	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	to
							glossary
	Team name	String	Yes				
	Team description Team website URL		Yes Yes				
	Team website OKL		103				
	No two teams can	have the	sama nama	The team no	ma must ha	uniqua	
	No two teams can	nave the	Same mame.	The team ha	ille illust de	umque.	
	The Admin shall be able to cancel the use case at any time prior to submitting it.						
Related Use Cases:	The Admini shall t	oc abic to	cancer the u	se case at ally	y time prior	w submitt	ng It.
Assumptions:							
ASSUIIDUOIIS.							
Open Issues:							

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Use Case 11: The Admin invites students to join a senior design section

UC ID and Name:	UC-11: Invite students to join	n a senior design section	1			
Created By:		Date Created:				
Primary Actor:	Admin	Secondary Actors:	Student			
Trigger:	The Admin indicates to invite students to join a senior design section.					
Description:	The Admin wants to send invitation emails to students, so that they can join a senior					
	design section.					
Preconditions:	PRE-1. The Admin is logged into the System.					
Postconditions:	POST-1. Invitation emails are sent to all the students.					
Main Success	1. The Admin indicates to	invite students to join a	senior design section.			
Scenario:	2. The System asks the Admin to provide students' emails. See the Associated					
	Information section for					
	The Admin provides stu					
			ding to the emails format defined in			
	the Associated Informat					
1	5. The System displays the					
		e email message. See the	e Associated Information section for			
	the default message.	1.1	(
			on (continues the normal flow) or			
	chooses to modify the d 8. The System sends out a		ldragg			
	,	n eman to each eman ac	idless.			
Extensions:	9. Use case ends.					
Extensions.	4a. Input validation rule violation:					
		4a1. The System alerts the Admin that an input validation rule is violated and displays the nature and location of the error.				
	4a2. The Admin corrects the mistake and returns to step 4 of the normal flow.					
	6a. The Admin indicates to personalize the default email message:					
	6a1. The Admin customiz					
	6a2. Returns to step 6 of the normal flow.					
Priority:	High					
Frequency of Use:	1 user, 1 usage per year.					
Business Rules:						
Associated		e separated by semicolor	n and the System shall ignore spaces			
Information:	in between.					
	E.g.,					
			son@tcu.edu; lily.p.lee@tcu.edu			
	Good: john.doe@tcu.edu;f.smith@tcu.edu					
	Bad: john.doe@tcu.edu; f.smith@tcu.edu; Bad: john.doe@tcu.edu f.smith@tcu.edu					
	Bad. John.doe@icu.edu 1.siii	imajicu.edu				
	Default email message:					
		Subject: Welcome to The Peer Evaluation Tool - Complete Your Registration				
	and journ mercome to the fee		T 1000 110000 WILLIAM			
	Hello,					
	[Name of the Admin] has invited you to join The Peer Evaluation Tool. To complete your registration, please use the link below:					

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	[Registration link]
	If you have any questions or need assistance, feel free to contact [Admin's email] or our team directly.
	Please note: This email is not monitored, so do not reply directly to this message.
	Best regards,
	Peer Evaluation Tool Team
	The invitation link shall be unique for each student.
	The Admin shall be able to cancel the use case at any time prior to submitting it.
Related Use Cases	The student needs to <u>UC-25</u> : Set up a student account after receiving the invitation email.
Assumptions:	
Open Issues:	

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Use Case 12: The Admin assigns students to senior design teams

UC ID and Name:	UC-12: Assign students to se	nior design teams	
Created By:	-	Date Created:	
Primary Actor:	Admin	Secondary Actors:	Student
Trigger:	The Admin indicates to assign Students to senior design teams.		
Description:	The Admin wants to assign Students to senior design teams, so that Students can start to		
	submit WARs and evaluate teammates every week.		
Preconditions:	PRE-1. Teams are created.		
	PRE-2. Students have set up		
	PRE-3. The Admin is logged		
Postconditions:	POST-1. Every Student is ass		
Main Success	1. The Admin indicates to	<u> </u>	•
Scenario:	2. The System displays a li		
			f Students to it. The Admin repeats
			assigning Students to all the teams.
	the assignment.	team assignment inform	nation and asks the Admin to confirm
		assignment	
	5. The Admin confirms the assignment.6. The System notifies relevant actors about the assignment according to the		
	"Notification" defined in the Associated Information of this use case.		
	7. Use case ends.		
Extensions:	4a. The Admin finds a wro	ng team assignment:	
	4a1. The Admin removes	a student from a team,	reassign her to a new team, and
	returns to step 4 of the no	rmal flow.	
Priority:	High		
Frequency of Use:	1 user, 1 usage per year.		
Business Rules:			
Associated	Notification:		
Information:		the Students about their	_
	The Admin shall be able to c	ancel the process at any	time prior to submitting it.
Related Use Cases:			
Assumptions:			
Open Issues:			

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Use Case 13: The Admin removes a student from a senior design team

UC ID and Name:	UC-13: Remove a student from	om a senior design team		
Created By:		Date Created:		
Primary Actor:	Admin	Secondary Actors:	Student	
Trigger:	The Admin indicates to remove a Student from a senior design team.			
Description:	The Admin wants to remove a Student from a senior design team, so that this Student can			
	be assigned to a new team.			
Preconditions:	PRE-1. Teams are created.			
	PRE-2. Students have set up			
	PRE-3. The Admin is logged			
	PRE-4. Students have been a			
Postconditions:	POST-1. The Student is remo			
Main Success	1. The Admin indicates to		•	
Scenario:		tails of the senior design	n team through <u>UC-8: View a senior</u>	
	design team.	. 1 . 6 . 1: .		
	3. The Admin removes a S		1 1 1 41	
		new team assignments	and asks the Admin to confirm the	
	removal. 5. The Admin confirms the removal.			
	6. The System notifies relevant actors about the assignment according to the			
	"Notification" defined in the Associated Information of this use case.			
	7. Use case ends.			
Extensions:	5a. The Admin finds an wro	ong team member rem	oval:	
			returns to step 4 of the normal flow.	
Priority:	Low		•	
Frequency of Use:	Rare. 1 user, 1 usage per year	r.		
Business Rules:				
Associated	Notification:			
Information:	 The System notifies 	the Student about her to	eam removal.	
	The Admin shall be able to c			
Related Use Cases:	The Admin may immediately	assign the Student to a	new team.	
Assumptions:				
Open Issues:				

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Use Case 14: The Admin deletes a senior design team

UC ID and Name:	UC-14: Delete a senior desig	n team				
Created By:		Date Created:				
Primary Actor:	Admin	Secondary Actors:	Student, Instructor			
Trigger:	The Admin indicates to delete an existing senior design team.					
Description:	The Admin wants to delete an existing senior design team.					
Preconditions:	PRE-1. The Admin is logged into the System.					
	PRE-2. There exists at least of					
Postconditions:	POST-1. The senior design to	eam is deleted from the	System according to the "Deletion			
	strategy" defined in the Asso	ciated Information of th	is use case.			
Main Success	1. The Admin indicates to	delete an existing senio	r design team.			
Scenario:	2. The Admin views the do	etails of this senior design	gn team through <u>UC-8: View a senior</u>			
	<u>design team</u> .					
	3. The Admin chooses to o					
			ces of this deletion according to the			
			e Associated Information of this use			
			asks the Admin to confirm.			
	5. The Admin confirms the					
			ording to the "Deletion strategy"			
			se case and alerts the Admin that this			
	senior design team has l		1 64 . 1			
			eletion of the senior design team			
	_	cation defined in the A	associated Information of this use			
	case. 8. Use case ends.					
Extensions:	8. Use case ends.					
Priority:	Low					
Frequency of Use:	Rare. 1 user, 1 usage per year	r				
Business Rules:	Kare. 1 user, 1 usage per yea.	1.				
Associated	Data integrity and deletion ru	ılec:				
Information:			in it, deleting a team will			
information.						
	 automatically remove students and instructors from this team first. If a team already has WARs and peer evaluations, deleting a team will 					
		the associated WARs a				
	Deletion strategy:	wire abbotiment in the a	na peer e anamiens.			
		Team deletion is a physical delete. In other words, this will permanently remove				
	the team and the associated WARs and peer evaluations from the database					
	(cannot be recovere					
	Notification:					
	 Students and instruction 	ctors of the deleted team	shall be notified.			
	The Admin shall be able to c	ancel the use case at any	y time prior to submitting it.			
Related Use Cases:	-	_	ents to senior design teams and			
	UC-19: Assign instructors to	senior design teams.				
Assumptions:						
Open Issues:						

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Use Case 15: The Admin/Instructor finds students

UC ID and Name:	UC-15: Find stu	ıdents					
Created By:	2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3		Date (Created:			
Primary Actor:	Admin, Instruct	or	Secondary				
Trigger:		The User indicates to find students.					
Description:	The User wants to find students which match specific criteria, so that she can decide what						
Description.	to do next.						
Preconditions:		er is logge	d into the System				
Postconditions:			g students is retu		dianlawad t	o the Hear It is	noggiblo
rostconditions.	that the list is en		ig students is retu	illeu aliu	uispiayeu i	to the Oser. It is	possible
Main Success			find students.				
Scenario:			User to enter sear	rch value	s according	to the "Search	criteria"
Section 10.			iated Information			, to the Bearen	critoria
			or more search va			hat she has finis	hed
	entering.	onters one	or more search ve	iraes arra	COMMING C	nat she nas mins	iica
	_	n finds all	students that mat	ch the nro	ovided sear	rch criteria value	2 0
			the matching stud				
			ort criteria" define				
	case.	ina the bo	ore criteria define	a in the i	issociatea	information of	uns use
	6. Use case e	nds					
Extensions:	4a. No matchir		ts are found:				
Extensions.			s the User that no	matching	students a	ire found	
							on section
	4a2. The User either chooses to <u>UC-11: Invite students to join a senior design section</u> or chooses to terminate the use case or chooses to return to step 2 of the normal flow.						
Priority:	High					200p = 00 0000	
Frequency of Use:	2 users, average of 2 usages per week.						
Trequency of OSC.	2 uscis, average	_ accept, w. campo of 2 doubles bet in cont.					
Business Rules:	2 users, average	01 2 usug	os por woon.				
			n fields, search att	ributes/pi	roperties, s	earch details, se	archable
Business Rules:				ributes/pr	roperties, s	earch details, se	archable
Business Rules: Associated	Search criteria (•	roperties, s	earch details, se	archable
Business Rules: Associated	Search criteria (qualities): Search property name	aka searcl Data type	n fields, search att	•	ty/access		archable
Business Rules: Associated	Search criteria (qualities): Search property name First name	Data type String	n fields, search att Validation rule Optional	Securit	ty/access	Reference to	archable
Business Rules: Associated	Search criteria (qualities): Search property name First name Last name	Aka searcl Data type String String	n fields, search att Validation rule Optional Optional	Securit	ty/access	Reference to	archable
Business Rules: Associated	Search criteria (qualities): Search property name First name Last name Email	Data type String String String	r fields, search att Validation rule Optional Optional Optional	Securit	ty/access	Reference to	archable
Business Rules: Associated	Search criteria (qualities): Search property name First name Last name	Data type String String String String String	optional Optional Optional Optional Optional Optional Optional	Securit	ty/access	Reference to	archable
Business Rules: Associated	Search criteria (qualities): Search property name First name Last name Email Section name	Data type String String String	r fields, search att Validation rule Optional Optional Optional	Securit	ty/access	Reference to	archable
Business Rules: Associated	Search criteria (qualities): Search property name First name Last name Email Section name Team name	Data type String String String String String String String String	optional Optional Optional Optional Optional Optional Optional Optional Optional	Securit	ty/access	Reference to	archable
Business Rules: Associated	Search criteria (qualities): Search property name First name Last name Email Section name Team name Section Id Team Id Search results d senior design se First n Sort criteria:	Data type String String String String String Integer Integer Integer Lisplay stra ection): ame, last resection nare	optional	Securit concer	ty/access ns	Reference to glossary	
Business Rules: Associated	Search criteria (qualities): Search property name First name Last name Email Section name Team name Section Id Team Id Search results d senior design se First n Sort criteria: First, s	Data type String String String String String Integer Integer Integer Lisplay stra ection): ame, last resection nare	Optional	Securit concer	ty/access ns	Reference to glossary	
Business Rules: Associated Information:	Search criteria (qualities): Search property name First name Last name Email Section name Team name Section Id Team Id Search results d senior design se First n Sort criteria: First, s	Data type String String String String String Integer Integer Integer Lisplay stra ection): ame, last resection nare	Optional	Securit concer	ty/access ns	Reference to glossary	

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Use Case 16: The Admin/Instructor views a student

UC ID and Name:	UC-16: View a st	tudent				
Created By:			Date Cr	eated:		
Primary Actor:	Admin, Instructor	r	Secondary A	ctors:		
Trigger:	The User indicate	es to view th	ne details of a stu	ident.		
Description:	The User wants to	o view the d	letails of a stude	nt, so that she can	get a better idea	of the
	student.					
Preconditions:	PRE-1. The User	is logged in	nto the System.			
Postconditions:				are displayed to th	e User.	
Main Success			ew the details of			
Scenario:				UC-15: Find stud		
				iew the details of		
				etails of this stude		
				rmation and the "S	Security/access	concerns"
	defined in the Business Rules of this use case.					
	5. The User views the details of this student.					
Extensions:	6. Use case end	us.				
Priority:	High					
Frequency of Use:	1 user, average of 10 usages per week.					
Business Rules:	1 user, average or 10 usages per week.					
Associated	Details:	Details				
Information:		Data type	Editability	Security/access	Reference to	
	- '		-	concerns	glossary	
	First name					
	Last name					
	Section name					
	Team name					
	Peer evaluations					
	WARs					
Related Use Cases:						
Assumptions:						
Open Issues:						

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Use Case 17: The Admin deletes a student

Date Created:	UC ID and Name:	UC-17: Delete a student			
Trigger: The Admin indicates to delete a Student. Description: The Admin wants to delete a Student, because a Student may drop out of the senior design section. Preconditions: PRE-1. The Admin is logged into the System. PRE-2. There exists at least one Student in the System. POST-1. The Student is deleted from the System according to the "Deletion strategy" defined in the Associated Information of this use case. Main Success Scenario: 1. The Admin indicates to delete a Student. 2. The Admin views the details of this Student through UC-: View a student. 3. The Admin chooses to delete this Student. 4. The System alerts the Admin of the consequences of this deletion according to the "Data integrity and deletion rules" defined in the Associated Information of this use case, warns the Admin about the deletion, and asks the Admin to confirm. 5. The Admin confirms the deletion. 6. The System deletes the Student according to the "Deletion strategy" defined in the Associated Information of this use case and alerts the Admin that this Student has	Created By:		Date Created:		
Description: The Admin wants to delete a Student, because a Student may drop out of the senior design section. Preconditions: PRE-1. The Admin is logged into the System. PRE-2. There exists at least one Student in the System. Postconditions: POST-1. The Student is deleted from the System according to the "Deletion strategy" defined in the Associated Information of this use case. Main Success Scenario: 1. The Admin indicates to delete a Student. 2. The Admin views the details of this Student through UC-: View a student. 3. The Admin chooses to delete this Student. 4. The System alerts the Admin of the consequences of this deletion according to the "Data integrity and deletion rules" defined in the Associated Information of this use case, warns the Admin about the deletion, and asks the Admin to confirm. 5. The Admin confirms the deletion. 6. The System deletes the Student according to the "Deletion strategy" defined in the Associated Information of this use case and alerts the Admin that this Student has	Primary Actor:	Admin	Secondary Actors:	Student	
design section. Preconditions: PRE-1. The Admin is logged into the System. PRE-2. There exists at least one Student in the System. POST-1. The Student is deleted from the System according to the "Deletion strategy" defined in the Associated Information of this use case. Main Success Scenario: 1. The Admin indicates to delete a Student. 2. The Admin views the details of this Student through UC-: View a student. 3. The Admin chooses to delete this Student. 4. The System alerts the Admin of the consequences of this deletion according to the "Data integrity and deletion rules" defined in the Associated Information of this use case, warns the Admin about the deletion, and asks the Admin to confirm. 5. The Admin confirms the deletion. 6. The System deletes the Student according to the "Deletion strategy" defined in the Associated Information of this use case and alerts the Admin that this Student has	Trigger:	· · · · · · · · · · · · · · · · · · ·			
Preconditions: PRE-1. The Admin is logged into the System. PRE-2. There exists at least one Student in the System. Postconditions: POST-1. The Student is deleted from the System according to the "Deletion strategy" defined in the Associated Information of this use case. Main Success Scenario: 1. The Admin indicates to delete a Student. 2. The Admin views the details of this Student through UC-: View a student. 3. The Admin chooses to delete this Student. 4. The System alerts the Admin of the consequences of this deletion according to the "Data integrity and deletion rules" defined in the Associated Information of this use case, warns the Admin about the deletion, and asks the Admin to confirm. 5. The Admin confirms the deletion. 6. The System deletes the Student according to the "Deletion strategy" defined in the Associated Information of this use case and alerts the Admin that this Student has	Description:	The Admin wants to delete a	Student, because a Student	dent may drop out of the senior	
PRE-2. There exists at least one Student in the System. Postconditions: POST-1. The Student is deleted from the System according to the "Deletion strategy" defined in the Associated Information of this use case. Main Success Scenario: 1. The Admin indicates to delete a Student. 2. The Admin views the details of this Student through UC-: View a student. 3. The Admin chooses to delete this Student. 4. The System alerts the Admin of the consequences of this deletion according to the "Data integrity and deletion rules" defined in the Associated Information of this use case, warns the Admin about the deletion, and asks the Admin to confirm. The Admin confirms the deletion. The System deletes the Student according to the "Deletion strategy" defined in the Associated Information of this use case and alerts the Admin that this Student has		design section.			
Postconditions: POST-1. The Student is deleted from the System according to the "Deletion strategy" defined in the Associated Information of this use case. Main Success Scenario: 1. The Admin indicates to delete a Student. 2. The Admin views the details of this Student through UC-: View a student. 3. The Admin chooses to delete this Student. 4. The System alerts the Admin of the consequences of this deletion according to the "Data integrity and deletion rules" defined in the Associated Information of this use case, warns the Admin about the deletion, and asks the Admin to confirm. 5. The Admin confirms the deletion. 6. The System deletes the Student according to the "Deletion strategy" defined in the Associated Information of this use case and alerts the Admin that this Student has	Preconditions:				
defined in the Associated Information of this use case. Main Success Scenario: 1. The Admin indicates to delete a Student. 2. The Admin views the details of this Student through <u>UC-: View a student.</u> 3. The Admin chooses to delete this Student. 4. The System alerts the Admin of the consequences of this deletion according to the "Data integrity and deletion rules" defined in the Associated Information of this use case, warns the Admin about the deletion, and asks the Admin to confirm. 5. The Admin confirms the deletion. 6. The System deletes the Student according to the "Deletion strategy" defined in the Associated Information of this use case and alerts the Admin that this Student has					
Main Success Scenario: 1. The Admin indicates to delete a Student. 2. The Admin views the details of this Student through UC-: View a student. 3. The Admin chooses to delete this Student. 4. The System alerts the Admin of the consequences of this deletion according to the "Data integrity and deletion rules" defined in the Associated Information of this use case, warns the Admin about the deletion, and asks the Admin to confirm. 5. The Admin confirms the deletion. 6. The System deletes the Student according to the "Deletion strategy" defined in the Associated Information of this use case and alerts the Admin that this Student has	Postconditions:				
 Scenario: The Admin views the details of this Student through <u>UC-: View a student.</u> The Admin chooses to delete this Student. The System alerts the Admin of the consequences of this deletion according to the "Data integrity and deletion rules" defined in the Associated Information of this use case, warns the Admin about the deletion, and asks the Admin to confirm. The Admin confirms the deletion. The System deletes the Student according to the "Deletion strategy" defined in the Associated Information of this use case and alerts the Admin that this Student has 				e.	
 The Admin chooses to delete this Student. The System alerts the Admin of the consequences of this deletion according to the "Data integrity and deletion rules" defined in the Associated Information of this use case, warns the Admin about the deletion, and asks the Admin to confirm. The Admin confirms the deletion. The System deletes the Student according to the "Deletion strategy" defined in the Associated Information of this use case and alerts the Admin that this Student has 					
 The System alerts the Admin of the consequences of this deletion according to the "Data integrity and deletion rules" defined in the Associated Information of this use case, warns the Admin about the deletion, and asks the Admin to confirm. The Admin confirms the deletion. The System deletes the Student according to the "Deletion strategy" defined in the Associated Information of this use case and alerts the Admin that this Student has 	Scenario:				
"Data integrity and deletion rules" defined in the Associated Information of this use case, warns the Admin about the deletion, and asks the Admin to confirm. 5. The Admin confirms the deletion. 6. The System deletes the Student according to the "Deletion strategy" defined in the Associated Information of this use case and alerts the Admin that this Student has					
 case, warns the Admin about the deletion, and asks the Admin to confirm. The Admin confirms the deletion. The System deletes the Student according to the "Deletion strategy" defined in the Associated Information of this use case and alerts the Admin that this Student has 					
5. The Admin confirms the deletion.6. The System deletes the Student according to the "Deletion strategy" defined in the Associated Information of this use case and alerts the Admin that this Student has					
6. The System deletes the Student according to the "Deletion strategy" defined in the Associated Information of this use case and alerts the Admin that this Student has					
Associated Information of this use case and alerts the Admin that this Student has					
been deleted.		been deleted.			
7. Use case ends.		7. Use case ends.			
Extensions:	Extensions:				
Priority: Low	Priority:	Low			
Frequency of Use: Rare. 1 user, 1 usage per year.	Frequency of Use:	Rare. 1 user, 1 usage per year	r.		
Business Rules:	Business Rules:				
Associated Data integrity and deletion rules:		<u> </u>			
	Information:	If a Student already submits WARs and peer evaluations, deleting a Student will			
automatically delete the associated WARs and peer evaluations.			the associated WARs a	and peer evaluations.	
••		Deletion strategy:			
		Student deletion is a physical delete. In other words, this will permanently			
		remove the Student and the associated WARs and peer evaluations from the			
The Admin shall be able to cancel the use case at any time prior to submitting it.		database (cannot be recovered). The Admin shall be able to cancel the use case at any time prior to submitting it.			
Related Use Cases:	Related Use Cases:	The Admin shall be able to e	uncer the use case at all	y time prior to submitting it.	
Assumptions:					
Open Issues:					

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Use Case 18: The Admin invites instructors to register an account

UC ID and Name:	UC-18: Invite instructors to	egister an account		
Created By:		Date Created:		
Primary Actor:	Admin	Secondary Actors:	Instructor	
Trigger:	The Admin indicates to invite instructors to register an account.			
Description:	The Admin wants to invite instructors to register an account in the System, so that they			
	can help supervise the senior	design projects.		
Preconditions:	PRE-1. The Admin is logged into the System.			
Postconditions:	POST-1. Invitation emails are	e sent to instructors.		
Main Success	1. The Admin indicates to	invite instructors to reg	ister an account.	
Scenario:			ors' emails. See the Associated	
	Information section for			
			irms that she has finished.	
			ding to the emails format defined in	
	the Associated Informat			
	5. The System displays the		. Ai-4- 1 I. C	
		e email message. See the	e Associated Information section for	
	the default message.	rms to send the invitatio	on (continues the normal flow) or	
	7. The Admin either confirms to send the invitation (continues the normal flow) or			
	chooses to modify the details (return to step 3). 8. The System sends out an email to each email address.			
	9. Use case ends.			
Extensions:	4a. Input validation rule violation:			
	4a1. The System alerts the Admin that an input validation rule is violated and displays			
	the nature and location of the error.			
	4a2. The Admin corrects the mistake and returns to step 4 of the normal flow.			
	6a. The Admin indicates to personalize the default email message:			
	6a1. The Admin customizes the email content and confirms the message.			
	6a2. Returns to step 6 of the normal flow.			
Priority:	High			
Frequency of Use:	1 user, 1 usage per year.			
Business Rules:				
Associated		e separated by semicolor	n and the System shall ignore spaces	
Information:	in between.			
	E.g.,	mith@tau adus tim iahm	agan (atau adur lilern lag (atau adu	
			nson@tcu.edu; lily.p.lee@tcu.edu	
	Good: john.doe@tcu.edu;f.smith@tcu.edu			
	Bad∙ iohn doe@tcu edu: f sm	nith@tcu edu:		
	Bad: john.doe@tcu.edu; f.smith@tcu.edu; Bad: john.doe@tcu.edu f.smith@tcu.edu			
	Default email message:			
	Subject: Welcome to The Pee	er Evaluation Tool - Con	nplete Your Registration	
	Hello,			
	110,00,			
	[Name of the Admin] has inv registration, please use the li		er Evaluation Tool. To complete your	

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(p	
	[Registration link]
	If you have any questions or need assistance, feel free to contact [Admin's email] or our team directly. Please note: This email is not monitored, so do not reply directly to this message.
	Best regards, Peer Evaluation Tool Team
	The invitation link shall be unique for each instructor.
	The Admin shall be able to cancel the use case at any time prior to submitting it.
Related Use Cases	The instructor needs to UC-30: Set up an instructor account after receiving the invitation
	email.
Assumptions:	
Open Issues:	

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Use Case 19: The Admin assigns instructors to senior design teams

UC ID and Name:	UC-19: Assign instructors to senior design teams			
Created By:		Date Created:		
Primary Actor:	Admin	Secondary Actors:	Instructor	
Trigger:	The Admin indicates to assig	n instructors to senior d	lesign teams.	
Description:	The Admin wants to assign in	nstructors to senior desi	gn teams, so that instructors can start	
	to supervise teams assigned t	to supervise teams assigned to them.		
Preconditions:	PRE-1. Teams are created.			
	PRE-2. Instructors have set u			
	PRE-3. The Admin is logged into the System.			
Postconditions:	POST-1. Instructors are associated associated and the properties of the properties o			
Main Success	1. The Admin indicates to assign instructors to senior design teams.			
Scenario:				
		3. The Admin selects a team and assigns one or more instructors to it. The Admin		
	repeats this step until she confirms that she has finished assigning instructors to all			
	the teams.			
	4. The System displays the team assignment information and asks the Admin to confirm the assignment.			
	5. The Admin confirms the	assignment		
			signment according to the	
	"Notification" defined in			
	7. Use case ends.			
Extensions:	4a. The Admin finds an wro	ong team assignment:		
			am, reassign her to a new team, and	
	returns to step 4 of the no		, ,	
Priority:	High			
Frequency of Use:	1 user, 1 usage per year.			
Business Rules:	BR-1			
Associated	Notification:			
Information:	 The System notifies 	the instructors about th	eir team assignment.	
	The Admin shall be able to c	ancel the process at any	time prior to submitting it.	
Related Use Cases:				
Assumptions:	The instructor must be assign	ned to the section of the	team first. TODO	
Open Issues:				

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Use Case 20: The Admin removes an instructor from a senior design team

UC ID and Name:	UC-20: Remove an instructor	r from a senior design to	eam	
Created By:		Date Created:		
Primary Actor:	Admin	Secondary Actors:	Instructor	
Trigger:	The Admin indicates to remo	ve an instructor from a	senior design team.	
Description:	The Admin wants to remove	an instructor from a ser	nior design team, so that this	
	instructor on longer supervises this team.			
Preconditions:	PRE-1. Teams are created.			
	PRE-2. Instructors have set u			
	PRE-3. The Admin is logged	•		
	PRE-4. Instructors have been			
Postconditions:	POST-1. The instructor is ren			
Main Success	1. The Admin indicates to		•	
Scenario:	2. The Admin views the details of the senior design team through <u>UC-8: View a senior</u>			
	design team.			
	3. The Admin removes an instructor from this team.			
	4. The System displays the new team assignments and asks the Admin to confirm the removal.			
	5. The Admin confirms the	removal.		
	6. The System notifies rele	vant actors about the as	signment according to the	
		"Notification" defined in the Associated Information of this use case.		
	7. Use case ends.			
Extensions:	5a. The Admin finds an wro	ong team member rem	oval:	
	5a1. The Admin corrects	the wrong removal and	returns to step 4 of the normal flow.	
Priority:	Low			
Frequency of Use:	Rare. 1 user, 1 usage per year	r		
Business Rules:	BR-1			
Associated	Notification:			
Information:	The System notifies the instructor about her team removal.			
	The Admin shall be able to c			
Related Use Cases:	The Admin may immediately	assign the instructor to	a new team.	
Assumptions:				
Open Issues:				

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Use Case 21: The Admin finds instructors

UC ID and Name:	UC-21: Find instructors						
Created By:	0021,1114,111		Date Cr	eated:			
Primary Actor:	Admin		Secondary A				
Trigger:	The Admin indi	cates to find		1015.			
Description:				antah an	agifia grita	rio so that sha	oon dooido
Description.	The Admin wants to find instructors which match specific criteria, so that she can decide what to do next.						
Preconditions:		PRE-1. The Admin is logged into the System.					
Postconditions:		POST-1. A list of matching instructors is returned and displayed to the Admin. It is					
	possible that the list is empty.						
Main Success	1. The Admir	1. The Admin indicates to find instructors.					
Scenario:	2. The Systen	n asks the Ac	dmin to enter sea	ırch valı	ies accordi	ng to the "Sear	ch criteria"
	defined in	the Associate	ed Information o	f this us	e case.		
	3. The Admir	n enters one o	or more search v	alues an	d confirms	that she has fin	nished
	entering.						
	4. The Systen	n finds all in	structors that ma	tch the	provided se	arch criteria va	ılues.
	5. The Systen	n displays th	e matching instru	uctors a	ccording to	the "Search re	sults
	display stra	ategy" and th	e "Sort criteria"	defined	in the Ass	ociated Informa	ation of this
	use case.						
	6. Use case er	nds.					
Extensions:	4a. No matchin	g instructor	s are found:				
	4a1. The Sys	stem alerts th	e Admin that no	matchi	ng instruct	ors are found.	
	4a2. The Ad	min either ch	nooses to UC-18	: Invite	instructors	to join a senior	design
	section or ch	section or chooses to terminate the use case or chooses to return to step 2 of the					
	normal flow.						
Priority:	High						
Frequency of Use:	1 user, 3 usages	1 user, 3 usages per year.					
Business Rules:							
Associated	Search criteria (aka search fi	elds, search attri	butes/pr	operties, so	earch details, se	earchable
Information:	qualities):					_	_
	Search	Data type	Validation rule		y/access	Reference to	
	property name	Gr. :	0 1	concer	ns	glossary	
	First name Last name	String String	Optional Optional				
	Team name	String	Optional				-
	Status	Active or	Optional				
		Deactivated	1				
	Search results display strategy (specify which properties to display for each matching senior design section): • First name, last name, team name, status Sort criteria: • First, academic year in reverse chronological order • Then, instructor last name in ascending order				atching		
	First naSort criteria:First, a	ame, last nan cademic yea	r in reverse chro	nologica			C
Related Use Cases:	First naSort criteria:First, a	ame, last nan cademic yea	r in reverse chro	nologica			
Related Use Cases: Assumptions:	First naSort criteria:First, a	ame, last nan cademic yea	r in reverse chro	nologica			

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Use Case 22: The Admin views an instructor

UC ID and Name:	UC-22: View an instructor					
Created By:			Date Cre	ated:		
Primary Actor:	Admin		Secondary Ac	ctors:		
Trigger:	The Admin indi	cates to view	the details of an	instructor.		
Description:	The Admin wan	ts to view the	details of an ins	tructor, so tha	t she can get a bett	er idea of
	the instructor.	· · · · · · · · · · · · · · · · · · ·				
Preconditions:	PRE-1. The Adr	PRE-1. The Admin is logged into the System.				
Postconditions:	POST-1. The de	tails of the sp	ecified instructor	are displaye	d to the Admin.	
Main Success		1. The Admin indicates to view the details of an instructor.				
Scenario:			f instructors thro			
					ils of one specific	
					structor according	
					e "Security/access	concerns'
			Rules of this use			
			tails of this instru	uctor.		
Extensions:	6. Use case er	ius.				
Priority:	Medium					
Frequency of Use:	1 user, 5 usages	ner veer				
Business Rules:	1 user, 3 usages	per year.				
Associated	Details:					
Information:	Property name					
information.	Transfer of	, , , , , , , , , , , , , , , , , , ,	, v	concerns	glossary	
	First name					
	Last name					
	Supervised					
	Teams					
	Status	Active or				
		Deactivated				
D 1 . 1	Supervised team	is shall be org	anized by section	n names.		
Related Use Cases:						
Assumptions:						
Open Issues:						

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Use Case 23: The Admin deactivate an instructor

UC ID and Name:	UC-23: Deactivate an instructor				
Created By:		Date Created:			
Primary Actor:	Admin	Secondary Actors:			
Trigger:	The Admin indicates to deactivate an instructor.				
Description:	The Admin wants to deactivate an instructor, so that this instructor no longer has access to				
	the System.				
Preconditions:	PRE-1. The Admin is logged into the System.				
	PRE-2. There exists at least one instructor in the System.				
Postconditions:	POST-1. The insturctor's account is deactivated.				
Main Success	The Admin indicates to deactivate an instructor.				
Scenario:			hrough <u>UC-22: View an instructor</u> .		
	3. The Admin chooses to o				
			es of this deactivationdefined in the		
		· · · · · · · · · · · · · · · · · · ·	the Admin about the deactivation,		
	and asks the Admin to c				
	5. The Admin confirms the deactivation.				
	6. The System deactivates the instructor and alerts the Admin that this instructor has				
	been deactivated.				
·	7. Use case ends.				
Extensions:	-				
Priority:	Low				
Frequency of Use:	Rare. 1 user, 1 usage per year.				
Business Rules:					
Associated	Consequence of the deactivar				
Information:		have access to the Syste	em. But the instructor's information		
	is kept in the System.				
	Desetionations				
	Deactivation: • Deactivation will NOT remove the instructor from the System and the				
		can be recovered in the			
	The Admin shall be able to c				
Related Use Cases:	The Admin shan be able to c	ancer the use case at any	y time prior to submitting it.		
Assumptions:					
Open Issues:					
Open issues.					

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Use Case 24: The Admin reactivate an instructor

UC ID and Name:	UC-23: Deactivate an instructor			
Created By:		Date Created:		
Primary Actor:	Admin	Secondary Actors:		
Trigger:	The Admin indicates to reactivate a deactivated instructor.			
Description:	The Admin wants to reactivate a deactivated instructor, so that this instructor has access to the System.			
Preconditions:	PRE-1. The Admin is logged into the System. PRE-2. There exists at least one deactivated instructor in the System.			
Postconditions:	POST-1. The Insturctor's account is reactivated.			
Main Success Scenario:	 The Admin indicates to reactivate a deactivated instructor. The Admin views the details of this instructor through <u>UC-22</u>: View an instructor. The Admin chooses to reactivate this instructor. The System asks the Admin to confirm. The Admin confirms the reactivation. The System reactivates the instructor and notifies this instructor that her account has been reactivated. Use case ends. 			
Extensions:				
Priority:	Low			
Frequency of Use:	Rare. 1 user, 1 usage per year.			
Business Rules:				
Associated Information:	The Admin shall be able to cancel the use case at any time prior to submitting it.			
Related Use Cases:				
Assumptions:				
Open Issues:				

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Use Case 25: The Student sets up a student account

UC ID and Name:	UC-25: Set up a student acco	uint		
Created By:	Date Created:			
Primary Actor:				
Trigger:	The Student clicks the registration link in the invitation email.			
Description:	The Student wants to set up an account, so that she can join a senior design section and submit WARs and peer evaluations.			
Preconditions:	PRE-1. An invitation email is			
Postconditions:				
Main Success	POST-1. The Student accoun	<u> </u>	itati an amai1	
Scenario:	 The Student clicks the result. The System opens a new 	_	dent to enter the details of this new	
Scenario.			e Associated Information of this use	
	3. The Student enters the d		ant and confirms that she has finished.	
	4. The System validates th Associated Information		rding to the "Details" defined in the	
	5. The System displays the the registration.	e details of the new acco	ount and asks the Student to confirm	
	_	rms the registration (co	ntinues the normal flow) or chooses	
	to modify the details (re		nemaes the normal now) of chooses	
			w account and informs the Student	
	7. The System saves the information about the new account and informs the Student that this account has been created.			
	8. The System redirects the Student to the login page.			
	9. Use case ends.			
Extensions:	2a. The Student has already	y set up the account:		
	2a1. The System alerts th	e Student that she has a	lready set up her account and shall	
	log in.			
	2a2. The System redirects the Student to the login page.			
	2a3. Use case ends.			
	4a. Input validation rule violation:			
			validation rule is violated and	
	displays the nature and lo		1.0	
D : ::		the mistake and returns	s to step 4 of the normal flow.	
Priority:	High	1		
Frequency of Use:	Approximately 35-40 users,	usage per year.		
Business Rules:	D : I			
Associated	Details:			
Information:	• First name			
	• Last name			
	EmailPassword			
	• i asswoiu			
	The Student shall be able to o	cancel the use case at an	y time prior to submitting it.	
Related Use Cases				
Assumptions:				
Open Issues:				

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Use Case 26: The Student edits an account

Primary Actor: Student Secondary Actors:	UC ID and Name:	UC-26: Edit	an account					
Trigger: The Student indicates to change the details of her account. Description: The Student wants to change the details of her account, so that she can correct mistakes made during registration or change the password. Preconditions: PRE-1. The Student is logged into the System. Postconditions: POST-1. Changes made to the account are stored in the System. Main Success 1. The Student indicates to change the details of her account. 3. The Student indicates to change the details of her account. 4. The System asks the Student to make changes to this account where allowed according to the "Details" defined in the Associated Information and the "Security/access concerns" defined in the Business Rules of this use case. 5. The Student makes changes to this account until she confirms that she has finished changing. 6. The System validates the Student's changes and alerts warning messages according to the "Details" defined in the Associated Information of this use case. 7. The Student acknowledges the warnings and chooses to continue. 8. The System displays the updated details of this account and alerts the Student to confirm the change. 9. The Student either confirms the change (continues the normal flow) or chooses to continue to change the details (return to step 5). 10. The System saves the changes, carries out the effect of change according to the "Details" defined in the Associated Information of this use case, and informs the Student that this account has been changed. 11. Use case ends. 6a. Input validation rule violation: 6a1. The Student corrects the mistake and returns to step 6 of the normal flow. Priority: High Frequency of Use: Business Rules: Associated Information: Property Data type Editability Validation Effect of Warning Reference hame String Yes Last name String Yes The Student shall be able to cancel the use case at any time prior to submitting it.	Created By:			Da	te Created:			
Trigger: The Student indicates to change the details of her account. Description: The Student wants to change the details of her account, so that she can correct mistakes made during registration or change the password. Preconditions: PRE-1. The Student is logged into the System. Postconditions: POST-1. Changes made to the account are stored in the System. Main Success 1. The Student indicates to change the details of her account. 3. The Student indicates to change the details of her account. 4. The System asks the Student to make changes to this account where allowed according to the "Details" defined in the Associated Information and the "Security/access concerns" defined in the Business Rules of this use case. 5. The Student makes changes to this account until she confirms that she has finished changing. 6. The System validates the Student's changes and alerts warning messages according to the "Details" defined in the Associated Information of this use case. 7. The Student acknowledges the warnings and chooses to continue. 8. The System displays the updated details of this account and alerts the Student to confirm the change. 9. The Student either confirms the change (continues the normal flow) or chooses to continue to change the details (return to step 5). 10. The System saves the changes, carries out the effect of change according to the "Details" defined in the Associated Information of this use case, and informs the Student that this account has been changed. 11. Use case ends. 6a. Input validation rule violation: 6a1. The Student corrects the mistake and returns to step 6 of the normal flow. Priority: High Frequency of Use: Business Rules: Associated Information: Property Data type Editability Validation Effect of Warning Reference hame String Yes Last name String Yes The Student shall be able to cancel the use case at any time prior to submitting it.	Primary Actor:	Student		Second	ary Actors:			
Description: The Student wants to change the details of her account, so that she can correct mistakes made during registration or change the password. Preconditions: PRE-1 The Student is logged into the System. Postconditions: Main Success Scenario: 1. The Student indicates to change the details of her account. 3. The Student indicates to change the details of this account. 4. The System displays the details of this account where allowed according to the "Details" defined in the Associated Information and the "Security/access concerns" defined in the Business Rules of this use case. 5. The Student makes changes to this account where allowed according to the "Details" defined in the Associated Information and the "Security/access concerns" defined in the Business Rules of this use case. 7. The Student acknowledges the warnings and alerts warning messages according to the "Details" defined in the Associated Information of this use case. 7. The Student acknowledges the warnings and chooses to continue. 8. The System displays the updated details of this account and alerts the Student to confirm the change. 9. The Student either confirms the change (continues the normal flow) or chooses to continue to change the details (return to step 5). 10. The System saves the changes, carries out the effect of change according to the "Details" defined in the Associated Information of this use case, and informs the Student that this account has been changed. 11. Use case ends. Extensions: 6a. Input validation rule violation: 6a1. The System alerts the Student that an input validation rule is violated and displays the nature and location of the error. 6a2. The Student corrects the mistake and returns to step 6 of the normal flow. Priority: Business Rules: Associated Information: Property Data type Editability Validation Effect of Warning Reference name String Yes Last name String		,						
Preconditions: PRE-1. The Student is logged into the System.								
Preconditions: Postconditions: Post-1. Changes made to the account are stored in the System. Main Success Scenario: The Student indicates to change the details of her account. The Student chooses to change the details of his account. The System displays the details of this account. The System displays the details of this account where allowed according to the "Details" defined in the Associated Information and the "Security/access concerns" defined in the Business Rules of this use case. The Student makes changes to this account until she confirms that she has finished changing. The Student makes changes to this account until she confirms that she has finished changing. The System validates the Student's changes and alerts warning messages according to the "Details" defined in the Associated Information of this use case. The Student acknowledges the warnings and chooses to continue. The System displays the updated details of this account and alerts the Student to confirm the change. The Student either confirms the change (continues the normal flow) or chooses to continue to change the details (return to step 5). The System saves the changes, carries out the effect of change according to the "Details" defined in the Associated Information of this use case, and informs the Student that this account has been changed. Extensions: Extensions: Assumptions: Priority: High Rare. Approximately 35-40 users, 1 usage per year. Business Rules: Associated Information: Property Data type Editability Validation Effect of Warning Reference than the string Yes Last name String	2 Comption.							
Postconditions: POST-1. Changes made to the account are stored in the System.	Preconditions:							
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Priority: High Rare. Approximately 35-40 users, 1 usage per year. Business Rules: Associated Information: Property Data type Editability Validation rule change first name String Yes Last name String Yes Email String Yes Email String Yes The Student shall be able to cancel the use case at any time prior to submitting it. Related Use Cases: Assumptions:								
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Frequency of Use: Business Rules: Associated Information: Property name First name String Last name String Femail String Yes Email The Student shall be able to cancel the use case at any time prior to submitting it. Related Use Cases: Assumptions:	Priority.							
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name								
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Related Use Cases: Assumptions:		Email	String	Yes				
Related Use Cases: Assumptions:		The Student	shall be able to	cancel the u	ise case at an	y time prio	r to submitt	ing it.
Assumptions:	Related Use Cases:							·
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C D 411 100 M 401	Open Issues:							

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Use Case 27: The Student manages activities in a Weekly Activity Report (WAR)

UC ID and Name:	UC-27: Manage activities in		
Created By:		Date Created:	
Primary Actor:	Student	Secondary Actors:	
Trigger:	The Student indicates to man	age activities in a WAR.	
Description:	The Student wants to manage activities in a WAR, so that she can add/edit/delete an		
•	activity in a WAR.		
Preconditions:	PRE-1. The Student is logge	d into the System.	
Postconditions:		lded to the WAR for that week.	
	or		
	POST-2. An existing activity	is edited.	
	or		
	POST-3. An existing activity	is deleted.	
Main Success		manage activities in a WAR.	
Scenario:		ident to select an active week.	
	•	ne active week (cannot select a future active week).	
	1	e activities already added by this Student in the WAR and	
	asks the Student to selec		
	Add a new activity	•	
	Edit an existing acti	· •	
	Delete an existing a		
		out of the three operations.	
	 11-16, or step 17-20. 6. The Student selects to a the Associated Information. 7. The Student enters the contraction. 	details of the activity and confirms that she has finished. e Student's inputs according to the "Details" defined in the	
		irms the creation of the activity (continues the normal flow)	
	•	e details (return to step 7).	
		ctivity to this WAR and informs the Student that this WAR	
	has been updated.		
		dit an existing activity in this WAR.	
	12. The Student edits the ac	· · · · ·	
	13. The System validates th	•	
	14. The System displays the confirm the change.	e details of the updated activity and asks the Student to	
		irms the change (continues the normal flow) or chooses to	
	modify the details (return	rn to step 12).	
		hange and informs the Student that this WAR has been	
	17. The Student selects to d	elete an existing event	
		ident to confirm the deletion.	
	19. The Student confirms th		
20. The System deletes the activity and informs the Student that this WAR ha			
	updated.	activity and informs the student that this write has been	
	21. Use case ends.		

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Extensions:	8a. Input validation rule violation:			
	8a1. The System alerts the Student that an input validation rule is violated and			
	displays the nature and location of the error.			
	8a2. The Student corrects the mistake and returns to step 8 of the normal flow.			
	13a. Input validation rule violation:			
	13a1. The System alerts the Student that an input validation rule is violated and			
	displays the nature and location of the error.			
	13a2. The Student corrects the mistake and returns to step 8 of the normal flow.			
Priority:	High			
Frequency of Use:	Approximately 35-40 users, average of 3 usages per week.			
Business Rules:				
Associated	Details:			
Information:	The Student can add activities to a WAR. For each activity, the Student shall provide the			
	following:			
	 Activity category: DEVELOPMENT, TESTING, BUGFIX, 			
	COMMUNICATION, DOCUMENTATION, DESIGN, PLANNING,			
	LEARNING, DEPLOYMENT, SUPPORT, MISCELLANEOUS			
	Activity			
	Description			
	Planned hours			
	Actual hours			
	Status: In progress, Under testing, Done.			
	The above properties are editable.			
	The Student shall be able to cancel the use case at any time prior to submitting it.			
Related Use Cases				
Assumptions:				
Open Issues:				

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Use Case 28: The Student submits a peer evaluation for the previous week

UC ID and Name:	UC-28: Submit a	neer evaluation for	or the previous we	ek	
Created By:	20. Suemit u		Date Created:	VII	
Primary Actor:	Student	Se	condary Actors:		
Trigger:	The Student indicates to submit a peer evaluation for the previous week.				
Description:	The Student wants				
2 Countries.	provide feedback				o viiwi bii o owii
Preconditions:	PRE-1. The Student is logged into the System.				
Postconditions:	POST-1. The peer				
Main Success				n for the previous	week.
Scenario:					team member. See
				tion of this use cas	
	3. The Student	evaluates each tea	am member (self i	ncluded) and conf	irms that she has
	finished.				
				ding to the "Detail	s" defined in the
		nformation of this			
				uation and asks the	
		evaluation and sul	omission. Peer eva	aluations can be ed	lited after
	submission.		1 1	1	.1 1
				submission (contin	iues the normal
	/	•	e details (return to	1 /	4 41. i.a a. a
		saves the peer eva is been submitted		ns the Student that	tinis peer
	8. Use case end		•		
Extensions:			·		
Extensions.		4a. Input validation rule violation: 4a1. The System alerts the Student that an input validation rule is violated and			
		ture and location			ioratou arra
				to step 4 of the no	ormal flow.
Priority:	High			•	
Frequency of Use:	Approximately 35	-40 users, 1 usag	e per week.		
Business Rules:	BR-3, BR-4		•		
Associated	Details:				
Information:					
	Every team memb	er MUST be eval	uated. Scores MU	JST be integers.	
	Student	Name: Quality of		Public comments	Private comments
		work			
		Description: How do you rate the			
		quality of this teammate's work?			
		(1-10)			
	John Doe	8		•••	
	Lily Fisher	10			
	Tim Smith	9			
	l I				
			-		

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	Private comments are for the instructor only. Public comments will be sent to the student under assessment. The Student shall be able to cancel the use case at any time prior to submitting it.
Related Use Cases	
Assumptions:	
Open Issues:	

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Use Case 29: The Student views her own peer evaluation report

UC ID and Name:	UC-29: View her own peer e	valuation report		
Created By:	Date Created:			
Primary Actor:	Student	Secondary Actors:		
Trigger:	The Student indicates to view		on report (on demand).	
Description:			that she can better understand how	
•	she is assessed by her teamm			
Preconditions:	PRE-1. The Student is logge	d into the System.		
Postconditions:	POST-1. The details of the re	eport are returned and di	splayed to the Student.	
Main Success	1. The Student indicates to	generate a peer evalua	tion report.	
Scenario:	 The System asks the Student to provide configurable report generating parameters according to the "Report generating parameters" defined in the Associated Information of this use case. The Student enters the required parameters and confirms that she has finished entering. The System validates the input parameters according to the "Report generating parameters" defined in the Associated Information of this use case. The System generates the peer evaluation report according to the "Report generating algorithm" defined in the Associated Information of this use case and displays to the Student according to the "Report generating parameters" defined in the Associated 			
	 Information of this use case. 6. The System delivers the generated report according to the specified report disposition in the specified format in the "Report generating parameters" defined in the Associated Information of this use case. 7. Use case ends. 			
Extensions:	 4a. Input validation rule violation: 4b1. The System alerts the Student that an input validation rule is violated and displays the nature and location of the error. 4b2. The Student corrects the mistake and returns to step 4 of the normal flow. 5a. No data is returned: 5a1. The System alerts the Student that no data is available in the generated report. 5a2. The Student either chooses to return to step 3 of the normal flow or chooses to terminate the use case. 			
Priority:	High			
Frequency of Use:	Approximately 35-40 users,	average of 1 usage per v	veek.	
Business Rules:	BR-5			
Associated Information:	instructor shall first evaluation. E.g., "0." week. Columns to include comments, average Pagination: Not nee	peer evaluation report is indicate for which activ 2-12-2024 to 02-18-202 : Student name, average total grade. See the example	a associated with a week. The week she wants to generate a peer 4", by default, it shall be the previous rubric criterion scores, public mple below.	

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	An example of th Details:	e generated report Name: Quality of work Description: How do you rate the quality of this	:	Public comments	Grade
	John Doe	teammate's work? (1-10)		Good work.	54/60
	John Doe	8.5		Need to work harder.	34/00
	Attention, a student shall never see the private comments and the evaulaters. Report generating algorithm:				
	For each individual criterion score (e.g., Quality of work), the System shall consider the scores provided by all teammates and compute an average. For the overall grade, see the algorithm in <u>UC-31:Generate a peer evaluation report of the entire senior design section</u> .				
Related Use Cases:	UC-31:Generate a peer evaluation report of the entire senior design section				
Assumptions: Open Issues:					

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Use Case 30: The Instructor sets up an instructor account

UC ID and Name:	UC-30: Set up an instructor a	account		
Created By:		Date Created:		
Primary Actor:	Instructor	Secondary Actors:		
Trigger:	The Instructor clicks the regi		I ation email	
	**		e can supervise senior design projects	
Description:	in a senior design section.	p an account, so that she	e can supervise senior design projects	
Dans and iti and				
Preconditions:	PRE-1. An invitation email i			
Postconditions:	POST-1. The Instructor acco	•		
Main Success	1. The Instructor clicks the	_		
Scenario:			ructor to enter the details of this new	
	1	e "Details" defined in th	e Associated Information of this use	
	case.	1 . 1 . 0.1 .	. 1 6 4 1 1	
		e details of this new acc	ount and confirms that she has	
	finished.	T , , , ; ; ,	1'	
			cording to the "Details" defined in the	
	Associated Information			
			ount and asks the Instructor to	
	confirm the registration			
			continues the normal flow) or	
	chooses to modify the d		v account and informs the Instructor	
	7. The System saves the information about the new account and informs the Instructor			
	that this account has been created.			
	8. The System redirects the Instructor to the login page.9. Use case ends.			
Extensions:		adv set un the ecceunt	•	
Extensions.	2a. The Instructor has already and The System elected the			
	2a1. The System alerts the Instructor that she has already set up her account and shall log in.			
	2a2. The System redirects the Instructor to the login page.			
	2a3. Use case ends.	s the mistractor to the lo	giii page.	
	4a. Input validation rule vi	olation•		
			it validation rule is violated and	
	displays the nature and lo		it variation rule is violated and	
			rns to step 4 of the normal flow.	
Priority:	High	cio me mistake and fetul	no to step + of the normal now.	
Frequency of Use:	Approximately 2 users, average	age of 1 usage per year		
Business Rules:	Approximately 2 users, avera	age of t usage per year.		
Associated	Details:			
Associated Information:				
information:	First name Middle initial			
	Middle initial Logt name			
	Last name Password			
	 Password Reenter password: must be the same as password. 			
	Recinci password, must be the same as password.			
	The Instructor shall be able to cancel the use case at any time prior to submitting it.			
Related Use Cases	The instructor shall be able t	o cancer the use case at	any time prior to submitting it.	
Assumptions:				
	İ			
Open Issues:				

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Use Case 31: The Instructor generates a peer evaluation report of the entire senior design section

UC ID and Name:	UC-31: Generate a peer eval		re senior design section		
Created By:		Date Created:			
Primary Actor:	Instructor	Secondary Actors:			
Trigger:		enerate a peer evaluation	n report of the entire senior design		
	section.				
Description:	The Instructor wants to run a	peer evaluation report,	so that she can better understand		
	students' performance within a team environment.				
Preconditions:	PRE-1. The Instructor is logg	ged into the System.			
Postconditions:	POST-1. The details of the re	port are returned and di	splayed to the Instructor.		
Main Success	1. The Instructor indicates	to generate a peer evalu	uation report of the entire senior		
Scenario:	design section.		•		
	_	structor to provide confi	gurable report generating parameters		
			" defined in the Associated		
	Information of this use				
			nd confirms that she has finished		
	entering.				
		e input parameters acco	ording to the "Report generating		
	parameters" defined in				
			t according to the "Report generating		
			on of this use case and displays to the		
			parameters" defined in the Associated		
	Information of this use				
	6. The System delivers the generated report according to the specified report				
	disposition in the specified format in the "Report generating parameters" defined in				
	the Associated Information of this use case.				
	7. Use case ends.				
Extensions:	4a. Input validation rule violation:				
Enteriores.	4b1. The System alerts the Instructor that an input validation rule is violated and				
	displays the nature and location of the error.				
			rns to step 4 of the normal flow.		
	5a. No data is returned:	ots the imstance and retain	ins to step 1 of the normal now.		
		e Instructor that no data	is available in the generated report.		
	•		ep 3 of the normal flow or chooses to		
	terminate the use case.	thouses to return to ste	P 2 22 the normal flow of chooses to		
Priority:	High				
Frequency of Use:	Approximately 2 users, average	age of 1 usage per week			
Business Rules:	ripproximatory 2 users, average	150 of I usuge per week	•		
Associated	Penort generating parameter	g:			
Associated Information:	Report generating parameters:				
illioilliation:	Active week: Each peer evaluation report is associated with a week. The instructor shall first indicate for which active week she wants to generate a peer				
	instructor shall first indicate for which active week she wants to generate a peer evaluation. E.g., "02-12-2024 to 02-18-2024", by default, it shall be the previous				
		2-12-2024 to 02-18-202	4, by default, it shall be the previous		
	week.	Ctudont norma and 1-	comments. Coa the assessed a last		
	Columns to include: Student name, grade, comments. See the example below. Sorting griteries by default, cort by lest name in excending order.				
	Sorting criteria: by default, sort by last name in ascending order. Position Not needed.				
	Pagination: Not needed.Format of the generated report: HTML.				
	• Format of the gener	atea report: H1ML.			

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An example of the generated report:

Student	Grade	Commented by	Public comments	Private comments
John Doe	54/60	Tim Smith	Good work.	Nothing.
		Lily Fisher	Need to work harder.	Dr. Wei, I need to talk more about John.
Lily Fisher				

The report shall show who did not turn in the peer evaluation for that week.

Report generating algorithm:

How to compute the peer evaluation grade for a student?

Each student receives multiple peer evaluations from her teammates every week. First, obtain the peer evaluations received by a student for that week. For each peer evaluation, compute a total score by adding up the individual criterion scores. Then compute the average of the total scores across the peer evaluations.

For example, John Doe receives two peer evaluations from Tim Smith and Lily Fisher, respectively. Tim Smith gives the following scores based on the rubric: 10, 9, 10, 9, 10, 10. So the total score given by Tim is 58. Lily Fisher gives the following scores based on the rubric: 5, 5, 10, 10, 10, 10. So the total score given by Tim is 50. The grade that John Doe receives that week is (58 + 50) / 2 = 54.

Details of a peer evaluation:

The Instructor may choose to see more details of one student's peer evaluation. For example, this table below shows the scores given by each evaluator in the same team to John Doe.

Evaluator of John Doe	Name: Quality of work Description: How do you rate the quality of this teammate's work? (1-10)	::	Public comments	Private comments
John Doe	10			
Lily Fisher	6			
Tim Smith	9			

Related Use Cases:	
Assumptions:	
Open Issues:	

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Use Case 32: The Instructor/Student generates a WAR report of a senior design team

UC ID and Name:	UC-32: Generate a WAR rep	ort of a canior decign to	am	
Created By:	OC-32. Generate a WAK Tep	Date Created:		
	Instructor Student			
Primary Actor:	Instructor, Student	Secondary Actors:		
Trigger:			report of a senior design team.	
Description:	The User wants to run a WAR report, so that she can better understand how students			
D 1'4'	contribute to the project in a week.			
Preconditions:	PRE-1. The User is logged into the System. POST-1. The details of the report are returned and displayed to the User.			
Postconditions:			isplayed to the User.	
Main Success Scenario:	according to the "Report Information of this use of the User enters the request. The System validates the parameters" defined in the User according to the "Information of this use of the System delivers the the User according to the "Information of this use of the System delivers the user according to the "Information of this use of the System delivers the user according to the "Information of this use of the System delivers the user according to the "Information of this use of the System delivers the user according to the "Report Information of this use of the User according to the "Report Information of this use of the User according to the "Information of this use of the User according to the "Information of this use of the User according to the "Information of this use of the User according to the "Information of this use of the User according to the "Information of this use of the User according to the "Information of this use of the User according to the "Information of this use of the User according to the "Information of this use of the User according to the "Information of this use of the User according to the "Information of this use of the User according to the "Information of this use of the User according to the "Information of the User according to the "In	er to provide configural t generating parameters case. aired parameters and co e input parameters according to the Associated Information was export according to the Associated Information to the Associated Information as export generating parameters. It is generated report according to the	ble report generating parameters "defined in the Associated Infirms that she has finished entering. Inding to the "Report generating ion of this use case. In go to the "Report generating on of this use case and displays to the meters" defined in the Associated Inding to the specified report in generating parameters defined in	
	7. Use case ends.			
Extensions:	the nature and location of 4b2. The User corrects th 5a. No data is returned: 5a1. The System alerts th	e User that an input val the error. e mistake and returns to e User that no data is av	o step 4 of the normal flow. vailable in the generated report. of the normal flow or chooses to	
Priority:	High			
Frequency of Use:	Approximately 37 users, ave	rage of 1 usage per wee	k.	
Business Rules:			•	
Associated Information:	first indicate for wh "02-12-2024 to 02-1 • Columns to include Description, Planne	WAR report is associate ich active week she wan 18-2024", by default, it student name, Activity d hours, Actual hours, S default, sort by last nam ded.	ed with a week. The instructor shall into the generate a WAR. E.g., shall be the previous week. It is category, Planned activity, status. See the example below. It is in ascending order.	

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	An exampl	e of the gene	erated report				
	Student	Activity category	Planned activity	Description	Planned hours	Actual hours	Status
	John Doe	Bug fixing	Activity 1	Fix the login bug	4	5	Done
		Documentat ion	Activity 2	Write three new use cases. They are	5		In Progress
	The report shall show who did not turn in the WAR for that week. Report generating algorithm: N/A						
Related Use Cases:	Keport gen	erating argor	Iumii. N/A				
Assumptions:							
Open Issues:							

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Use Case 33: The Instructor generates a peer evaluation report of a student

UC ID and Name:	UC-33: Generate a peer eval	uation report of a studer	nt	
Created By:		Date Created:		
Primary Actor:	Instructor	Secondary Actors:		
Trigger:		The Instructor indicates to generate a peer evaluation report of a student.		
Description:			of a student, so that she can better	
	understand this student's per	-		
Preconditions:	PRE-1. The Instructor is logg			
Postconditions:	POST-1. The details of the re		splayed to the Instructor.	
Main Success			nation report of a student.	
Scenario:			through <u>UC-16: View a student</u> .	
	3. The Instructor chooses	to generate a peer evalua	ation report of this student.	
	4. The System asks the Ins	structor to provide confi	gurable report generating parameters	
			" defined in the Associated	
	Information of this use			
		e required parameters ar	nd confirms that she has finished	
	entering.			
			ording to the "Report generating	
	parameters" defined in			
			t according to the "Report generating	
			on of this use case and displays to the	
		Instructor according to the "Report generating parameters" defined in the Associated Information of this use case.		
	8. The System delivers the generated report according to the specified report			
	disposition in the specified format in the "Report generating parameters" defined in			
	the Associated Informat		re generating parameters defined in	
	9. Use case ends.	aron or uno use cuse.		
Extensions:	6a. Input validation rule vi	olation:		
	_		it validation rule is violated and	
	displays the nature and lo			
	6b2. The Instructor corre	cts the mistake and retur	rns to step 6 of the normal flow.	
	7a. No data is returned:			
			is available in the generated report.	
		chooses to return to ste	ep 5 of the normal flow or chooses to	
	terminate the use case.			
Priority:	High			
Frequency of Use:	2 users, average of 10 usage	per week.		
Business Rules:	D			
Associated	Report generating parameters:			
Information:	Period: Start active week and end active week. Columns to include Week, grade, assuments. See the granule helesy.			
	Columns to include: Week, grade, comments. See the example below. Sorting criteries by default, gort by week in chronological order.			
	 Sorting criteria: by default, sort by week in chronological order. Pagination: Not needed. 			
	Format of the generated report: HTML.			
	• Pormat of the generated report. IT IVIL.			

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	An example of th	e generated report			
	Week	Grade	Commented by	Public comments	Private comments
	02-12-2024 - 02-18-2024		Tim Smith	Good work.	Nothing.
	02-18-2024		Lily Fisher	Need to work harder.	Dr. Wei, I need to talk more about John.
	02-19-2024 - 02-25-2024	55/60			
	Report generating algorithm: Refer to the algorithm defined in <u>UC-31</u> : Generate a peer evaluation report of the entire senior design section Details of a peer evaluation: The Instructor may choose to see more details of one student's peer evaluation. Refer to the algorithm defined in <u>UC-31</u> : Generate a peer evaluation report of the entire senior				
D 1 d 1H C	design section.				
Related Use Cases:					
Assumptions: Open Issues:					

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Use Case 34: The Instructor generates a WAR report of the student

HOID 131	TIC 24 C			
UC ID and Name:	UC-34: Generate a WAR rep			
Created By:		Date Created:		
Primary Actor:	Instructor	Secondary Actors:		
Trigger:	The Instructor indicates to generate a WAR report of a student.			
Description:	The Instructor wants to run a WAR report of a student, so that she can better understand			
	how this student contributes to the project during a period of time.			
Preconditions:	PRE-1. The Instructor is logg			
Postconditions:	POST-1. The details of the report are returned and displayed to the Instructor.			
Main Success	1. The Instructor indicates	to generate a WAR repo	ort of a student.	
Scenario:	2. The Instructor views the details of this student through <u>UC-16</u> : <u>View a student</u> .			
	3. The Instructor chooses t			
			gurable report generating parameters	
			" defined in the Associated	
	Information of this use of			
		e required parameters ar	nd confirms that she has finished	
	entering.			
			ording to the "Report generating	
	parameters" defined in t			
			g to the "Report generating	
			on of this use case and displays to the	
			neters" defined in the Associated	
		Information of this use case.		
	8. The System delivers the generated report according to the specified report disposition in the specified format in the "Report generating parameters" defined in			
			rt generating parameters" defined in	
	the Associated Informat	ion of this use case.		
	9. Use case ends.			
Extensions:	6a. Input validation rule vid			
			at validation rule is violated and	
	displays the nature and lo			
		ets the mistake and retui	rns to step 6 of the normal flow.	
	7a. No data is returned:	T		
			is available in the generated report.	
		chooses to return to ste	p 5 of the normal flow or chooses to	
B * *.	terminate the use case.			
Priority:	High	1		
Frequency of Use:	2 users, average of 10 usage	per week.		
Business Rules:				
Associated	Report generating parameters			
Information:	Period: Start active week and end active week.			
	Columns to include: Activity category, Planned activity, Description, Planned			
	hours, Actual hours, Status. See the example below.Sorting criteria: by default, sort by active weeks in chronological order.			
			eeks in chronological order.	
	Pagination: Not needed.			
	Format of the general	ated report: HTML.		

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An example of the generated report:

Active week: 02-12-2024 to 02-18-2024

Activity category	Planned activity	Description	Planned hours	Actual hours	Status
Bug fixing	Activity 1	Fix the login bug	4	5	Done
Documentat ion	Activity 2	Write three new use cases. They are	5		In Progress

Active week: 02-19-2024 to 02-25-2024

Activity category	Planned activity	Description	Planned hours	Actual hours	Status
New feature dev	Activity 3	Fix the login bug	10	9	Done
Documentat ion	Activity 2	Write three new use cases. They are	5	10	Done

.

Report generating algorithm: N/A

Related Use Cases:
Assumptions:
Open Issues:

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Business Rules

- BR-1: Every senior design team must be assigned at least one instructor. It is common that there are two instructors in one team: one is a real TCU instructor, the other one is the client. An instructor can be assigned to multiple teams.
- BR-2: For the fall semester, the active weeks are usually from the 5th week to the 15th week. Winter holidays are inactive weeks. For the spring semester, the active weeks are from the 1st week to the 15th week. Students are only allowed to submit peer evaluations during active weeks. However, they can submit weekly activities outside active weeks.
- BR-3: Peer evaluation cannot be edited once completed. (TODO)
- BR-4: A student can only submit a peer evaluation for the previous week. A student has one week to complete a peer evaluation for the previous week. If a student fails to complete a peer evaluation, she cannot make it up.
- BR-5: For the peer evaluation, a student can only see her rubric criterion scores, public comments, and the overall grade.