Course Planner

Milestone 3 Evaluation

Team Members

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Faculty Sponsor/Client

Ryan Stansifer

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Progress of current Milestone (progress matrix)

Task	Completion %	Luke	Anh	Amssatou	Zetao	To do
Presentation	100%	85%	5%	5%	5%	None
Progress Eval Doc	100%	80%	5%	5%	10%	None
New design layout for Prerequisite section	100%	0%	0%	20%	80%	Using the user feedback to seek for any further changes
Deployment of Web Server	100%	0%	0%	0%	100%	Continue to improve web server
Apple Reg Expression bug fix	100%	0%	0%	60%	40%	None
PDF's of Registration Form	80%	15%	85%	0%	0%	Finish up work on making sure all forms work
Degree Planner design	5%	0%	0%	0%	5%	Design the workable data structure for degree planner
Gathering Survey and App use data	80%	10%	10%	30%	30%	Continuing to collect feedback and data

Discussion of Accomplished Tasks

Discussion of each accomplished task and obstacles for the Milestone (Paragraph/few sentences)

- Task 1: New design layout for Prerequisite section in section explorer - When looking at a class, the prerequisites for the class are now displayed in a list format with the class number highlighted. The user is then able to click on it to view that class information. In the past, the text would be in plain text format and the user would have to manually copy,

paste, and search for information about those classes. Additionally, the system is now able to differentiate between Or and And statements for prerequisite classes.

- Task 2: Deployment of Web Server - We deployed all three dockers. The first docker builds the js, css and html files for the web, the second docker hourly scrapes course data from school's websites, the third docker deployment takes those information using apache and hosts the website.

- Task 3: Apple Reg Expression bug fix - Using apple devices, clicking on the link of the Course Planner would lead to a blank screen. This was an issue caused by Regex. We found out that Javascript did not support LookBehind expressions (? <=) and that would cause the program to crash. One of the ways to find a replacement of the regex expression that would exerce the same function as the lookbehind expression. Then we had to search for all the lines of code that contained the lookbehind regex and replace it by the new regex expression.

- Task 4: PDF's of Registration Form - This feature takes the previous teams implementation filling out the class registration form and adds the co/prerequisite waiver form, the closed class form, and the class substitution forms. We also looked into how to select each form. We wanted to make it a drop down menu, however, we decided to follow the previous teams implementation of giving each document its own selectable tab

- Task 5: Gathering Survey and App use data - Reviewed and released the two surveys. The first survey was intended for people after they used the app to provide non biased survey. The second survey was intended for people with cs background that they would take after filling out the first survey. Promoted the app on different mail servers (cs forum, fit forum..) and group chats (Whatsapp, Discord..). We also promoted the project verbally. We are collecting user feedback and bug reports as they are being submitted.

Discussion of contribution of each team member to the current Milestone: (Paragraph/few sentences)

- Luke Lynch: Did the majority of the work on the evaluation and presentation for this milestone as well as helped Anh brainstorm ideas for how to accomplish his task during this milestone.
- Anh Cao: Adding closed class form and prerequisite waiver request form to the application
- Amssatou Diagne: Finished the last details of the two surveys: one for the general users and another that CSE and SWE people can take additionally. Promoted the app on

different mail servers and group chats. Fixed the bug rendering blank screen on apple devices with the help of Zetao.
- Zetao Ye: Finished the new colourful and format design for Prerequisite section, Deploy the project to two online servers by using docker. Report the network issue with Luck Lynch, try to find how to solve this problem. After deployment, solving the bug with Amssatou Diagne that the user has reported to us. Begin to design the data structure for degree planner.

Plan for the next Milestone

Task	Luke	Zetao	Anh	Amssatou
Gathering Survey and App use data	25%	25%	25%	25%
Figure out if able to autofill the closed class form portal document	25%	25%	25%	25%
Client feature request: Adding global setting to existing sessions	25%	25%	25%	25%
Client feature request: Make section explorer searching function display less irrelevant information	25%	25%	25%	25%
Bug fixes	25%	25%	25%	25%

Discussion (at least a few sentences, ie a paragraph) of each planned task for the next Milestone

- Task 1: Since registration is not entirely done and students may want to change classes, we want to continue to collect user feedback and data on what is actually getting used within the application. We also want to set up some meetings and have some faculty

members use the app while we watch. We are planning to do that to evaluate what would be the use of the Course Planner for the users who are not students.

- Task 2: We are planning to have conversations with the registrar's office about the newly created closed class form portal. We want to talk to the developers of the portal in order to possibly add functionality that will take the data provided in the app and auto fill the portal's closed class form. We will also try to find out if they plan to add more forms such as the prerequisite-waiver form. If that is the case, we will discuss with them the possibility for the users to fill up those forms through the Course Planner.

- Task 3: Add a global setting to the existing sections - This was a feature requested by the client during the meeting on 11/17/2020. The plan is to have the following:
  - Global Prerequisite highlight where user is able to turn on or off the highlight feature,
  - Hidden no information sub-section in course info section option,
  - Hidden unusual filter options as default; such as title, instructor, tags, credit hours.

- Task 4: Level filter - This was a feature requested by the client during the meeting on 11/17/2020. The plan is to have the following:
  - One hidden filter for section explorer, combining with course number filters, if user type "1." or "2.", then 1000 level or 2000 level will show up;
  - Add a popup button to the filter to show the usage.

- Task 5: Other bug fixes
  - As more people use the app there will probably be more bug fixes, we have already fixed one and have on hold. One user declared that "When trying to add a class to the planner it is shown the error message that the class is full when there are 10 spaces remaining". We are working on getting more detailed information like the name and section of the course. Once we have that data, we will be able to narrow the search down and potentially identify the cause of the bug.

Date(s) of meeting(s) with Client during the current milestone:

11/3/2020, 11/17/2020

Client feedback on the current milestone

- See Faculty Advisor Feedback below

Faculty Advisor feedback on each task for the current Milestone

- Task 1:
- Task 2:
- Task 3:
- Task 4:
- Task 5:

Faculty Advisor Signature: _____ Date: _____

Evaluation by Faculty Advisor

- Faculty Advisor: detach and return this page to Dr. Chan (HC 214) or email the scores to pkc@cs.fit.edu
- Score (0-10) for each member: circle a score (or circle two adjacent scores for .25 or write down a real number between 0 and 10)

Luke Lynch	0	1	2	3	4	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10
Zetao Ye	0	1	2	3	4	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10
Anh Cao	0	1	2	3	4	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10
Amssatou Diagne	0	1	2	3	4	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10

- Faculty Advisor Signature: _____

Date: _____