Source Academy

Source Academy
Team Assessments Proposal

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Overview

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Project Name: Source Academy - Team Assessments

Motivation:

Collaboration among students in coursework through the implementation of this collaborative module offers immense benefits and serves as a powerful motivation for its adoption. By providing students with the option to collaborate, share ideas, and work together on assessments, projects, and discussions, they can tap into a diverse range of perspectives and insights. This collaborative approach fosters a sense of community, encourages active participation, and enhances critical thinking and problem-solving skills. Furthermore, it promotes peer learning and provides opportunities for students to develop teamwork and communication abilities, which are vital in today's interconnected world. Ultimately, creating an environment that values and supports collaboration empowers students to reach their full potential and equips them with valuable skills for their future academic and professional endeavors.

Project:

Team Assessment Module - Implement joint submissions so that multiple students' grades can be accounted for in a single submission.

Target Audience:

Users of Source Academy.

User Stories:

Tutor:
- As a tutor, I can search for students so that I can form teams more conveniently.
- As a tutor, I can create new teams for the assessment after the publish time of the assessment so that students can collaborate on the same assessment.
- As a tutor, I can assign one student to be the submitting student for the team so that he/she can submit the assessment on behalf of the entire team.
- As a tutor, I can edit existing teams so students can be added to other teams as needed.
- As a tutor, I can delete existing teams so students can be added to other teams as needed.
- As a tutor, I can grade team missions so that students tagged to the same assessment will receive the same scores.

Administrator:
- As an administrator, I can unsubmit team assessments so that students can make amendments.
- As an administrator, I can set deadlines for team formation so that the students are encouraged to form teams promptly.

Submitting Student:
- As a submitting student, I will see no more than one instance of an assessment.
- As a submitting student, I can view my teammates within the same assessment after the tutor forms the group.
- As a submitting student, I can edit and run the code.
- As a submitting student, I can save my answer as a draft so that my teammates can review the current progress and provide feedback.
- As a submitting student, I can submit the assessment for the whole team.

Non-submitting Student:
- As a non-submitting student, I will see no more than one instance of an assessment.
- As a non-submitting student, I can view the teammates and the submitting student after the tutor forms the group to ensure I am in the correct team.
- As a non-submitting student, I can view and run the code so that I can help to debug the code.
- As a non-submitting student, I can view the problems prior to team formation so that I can promptly begin working on the assessments and maximize my productivity.
- As a non-submitting student, I can verify the answer before the submitting student makes the final submission, so that I can ensure the quality of the final submission.

Not-yet-grouped student:
- As a not-yet-grouped student, I can see the assessment exists as soon as the assessment is published, so that I can see that I am not yet grouped.
- As a not-yet-grouped student, I can see the actual assessment after it is opened, but I cannot make any edits. Instead, I see a message that says "You are not in any groups for this group assessment. Please consult your tutor to get grouped.", so that I can see that I am not yet grouped.

Use Cases

Use case 1. Tutor assigns a submitting student to the team after the assessment is published.

MSS

1. Tutor selects the group assessment.
2. Tutor searches for the student using his/her school email.
3. Tutor adds the student to the team.
4. Tutor assigns the student to the submission role.

Use case ends.

Use case 2. Tutor assigns a non-submitting student to the team after the assessment is published.

MSS

1. Tutor selects the group assessment.
2. Tutor searches for the student using his/her school email.
3. Tutor adds the student to the team.

Use case ends.

Use case 3. Submitting student attempts a group assessment after the assessment is opened.

MSS

1. Submitting student opens the group assessment.
2. Submitting student will be notified that he/she will be submitting the answer on the behalf of the whole team.
3. Submitting student inputs the answer and saves it as a draft.
4. Submitting student submit the group assessment.

Extensions

  2a. Other students from the team verify the answer.

  2b. If all the team members agree to submit the draft, the use case resumes from step 3.

     If not, the use case resumes from step 2.

Use case ends.

Use case 4. Non-submitting student attempts a group assessment after the assessment is opened.

MSS

1. Non-submitting student opens the group assessment.
2. Non-submitting student will be notified that he/she will not be submitting the answer on the behalf of the whole team.
3. Non-submitting student reviews and runs the answer saved by the submitting student.
4. Non-submitting student verifies the answer if he/she is satisfied..

    If not, the use case resumes from use case 2 step 2.

Use case ends.

Glossary:

- Tutor: The designated individual assigned with the responsibility of evaluating and grading the assessments.
- Administrator:
- Submitting student: The specific student who assumes the role of submitting the answer on behalf of the entire team for a given assessment.
- Non-submitting students: The students who are not assigned the task of submitting the answer for the group assessment.
- Not-yet-grouped student: The students who are not assigned to any group at the assessment open time.
- Group assessment: Tasks and assessments that require active collaboration among multiple students, leading to the submission of a unified answer or solution as a collective effort.
- Assessment publish time: the time when the assessment will be available for viewing for all students. The assessment will be tagged as "Upcoming" until the assessment is opened.
- Assessment open time: the time when the assessment will be open for the student to attempt.