

Sprint Planning Document - Sprint 2

17/9/2018

1. Agenda

Within the first sprint, our team has completed the basic high priority layout structure of the program and also contrived necessary UML diagrams. So far, our team has gained basic knowledge of program architecture from the diagrams designed. In addition to experience gained in coding from sprint 1, we will continue to implement more features to the program while ensuring a seamless integration process.

2. Goal

To implement additional functions on top of implementations from the previous sprint and develop improve on code quality.

1. Develop function to enrol student to a course
2. Implement specific limits for courses
3. Implement error handling when trying to enrol in a course
4. Implement database for storing student enrolment records
5. Develop functionality for displaying students in a specified course
6. Develop function to link new student enrolment to previous details
7. Develop function to look for past enrolments for eligibility of discount

3. Duration of the sprint

Sprint 2 has a duration of 2 week

4. What is the team's vision for this sprint?

In sprint 2, we will implement additional functionality to the program created in sprint 1. Database to store course and student enrolment details will be implemented. Enrolment of students will be implemented together which can aid in testing the database implementation and is as it is also a core feature of the system.

Enrolment functionality will also allow a more thorough testing of previously created code for calculating course figures.

Lastly, functionality to display list of students enrolled in a specified course will also be added to the system.

Potentially shippable product at the end of this sprint will include features implemented in sprint 1 and additional features to be implemented in the current sprint Additional features include allowing the course manager to enrol students into a course while checking for eligibility of discounts and also to view list of students enrolled into the course.

5. Estimation in story points.

Total story points allocated for this sprint: 26 story points

Mr Huang

Story points assigned: 8

Mr Huang will be responsible for developing function to enrol students into a course which includes getting student details from user input and error checking for erroneous inputs.

- 3 story points is allocated for enrolment feature as Mr Huang feels that the enrolment feature is simple to implement.
- 5 story point will be allocated to error checking of user input as there is a variety of different student details to check for.

Mr Ang

Story points assigned: 9

Mr Ang will be implemented the database feature as he has past experience working with serialization which is an in-built Java feature. Sprint planning documentation and sprint planning backlog will also be produced to priorities feature releases.

- 3 story points are allocated to implementing database feature as Mr Ang has much prior experience with serialization in Java.
- Sprint planning document and sprint planning backlog is allocated 6 story points as Mr Ang has gained experience in creating them in the previous sprint.

Ms Jeon

Story points assigned: 5

Ms Jeon will implement specific limit for courses which includes checking of limit everytime a student enrolls in the course. Ms Jeon will also develop functionality to display a list of student in a specified course. This includes error handling of inputs if the course manager enters an invalid course id. She will also be responsible for developing function for checking of eligibility of discount.

- 1 story point will be allocated for implementing specific limit for courses as it only consist of a simple variable check.
- 1 story point will be allocated for displaying list of student as it only requires iterating through the student list of a course and printing student details to the console.
- 3 story points will be allocated for checking eligibility for discount as it is a moderately simple function.

Mr Tuhairwe

Story points assigned: 4

Mr Tuhairwe will be responsible for creating the sprint retrospective document.

- 4 story points are allocated for creating the retrospective document as Mr Tuhairwe feels that the document is important for improving the team efficiency by looking into problems faced during the development process..