

# **Sprint Planning Document - Sprint 3**

1/10/2018

## **1. Agenda**

This report is about the third sprint of the project. Most of the high priority PBIs and core features have been completed in the previous sprints. Our team has left these remaining functionalities to the end as those functionalities has pre-requisites to implementation. In this sprint, our team will aim to complete the remaining features and also concentrate on code refactoring and optimization.

## **2. Goal**

The goal of this sprint is to complete the following PBIs to deliver a fully functional course management system. Include new product owner requirements to the system..

1. Develop function to withdraw student from a course
2. Develop refund function to refund student fee
3. Update new cooking course enrolment fees
4. Develop function to update course enrolment fee
5. Develop JUnit tests for major system functionality
6. Iterate through unit tests and debug till all tests pass
7. Refractor code for readability and future extensibility
8. Develop function to terminate application
9. Create user documentation
10. Create technical documentation
11. Training of course managers on system features

## **3. Duration of the sprint**

Sprint 2 has a duration of 2 week

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

Upon completion of sprint 3, the course manager will be able to withdraw students from a course and have the course financial figures update automatically. The system will also include a quit functionality which will quit the system gracefully. The team will be putting in effort to perform code refactoring and optimization to give the management system a efficient performance.

## 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 creating JUnit tests for all major features to be tested and also to iterate through them to ensure that all components and modules are thoroughly tested. He will also create a technical documentation for the system.

- 4 story points will be allocated for creating and testing all JUnit tests as there are few major functionalities in the course management system.
- Technical documentation will be allocated 4 story points as Mr Huang has no prior experience therefore, a more effort might be needed to research on document structure.

Mr Ang

Story points assigned: 14

Mr Ang will be responsible for the planning the sprint and therefore creating the sprint planning document and sprint backlog. Code refactoring will be performed to ensure efficiency in code performance. Implementation of function to update course fees and update of new cooking course fees as requested by the product owner. Final integration will also be done by Mr Ang to ensure the system can run smoothly.

- 6 story points will be allocated for the sprint planning document and sprint backlog as these documentation requires careful planning
- 2 story points will be given for code refactoring as a structured interface have been implemented in the first sprint which makes modularised functions easier to refactor.
- 3 story points will be allocated for the development of updating course fee function as it is a relatively simple function to implement.
- 3 story points is allocated for final integration as the entire program has several components to check through and optimise at the same time.

Ms Jeon

Story points assigned: 7

Ms Jeon will be implementing the withdraw student function which also includes the function to refund students. she is also required to implement quit functionality into the system. Lastly, creation of a user documentation to instruct course managers on the basic usage of the system.

- 1 story points are allocated for withdrawing student as Ms Jeon feels that withdrawing student from the course is a simple task.
- 1 story point is allocated to the refund function as it only requires a call of a previously implemented function.
- Quit functionality warrants 1 story point as it is a simple functionality to include
- Write up of a user documentation will take up 3 story points as the functionalities of the system is simple and straightforward.

Mr Tuhairwe

Story points assigned: 4

Mr Tuhairwe will be responsible for creating the sprint retrospective document. He is also responsible for conducting training for the course managers on the course management system usage.

- 3 story points are allocated for creating the retrospective document as Mr Tuhairwe is now fairly familiar with the requirements of the documents.
- 1 story point will be allocated for conducting training for course managers as functionalities of the management system is simple and few.