Sprint Planning Document - Sprint 1

3/9/2018

1. Agenda

   This document contains information on the first sprint of the team's project. Through this sprint, the team will be implementing and executing tasks that are essential for initialising the project. Based on new requirements, PBI grooming will be done and work will be re-allocated to team members as necessary.

2. Goal

   To set up development environment for all developers and complete basic console navigation functions for the management system.

   1. Set up Java environment for software development
   2. Update JDK to latest version
   3. Set up Git repository for version control
   4. Design UML diagram
   5. Design class diagram
   6. Develop console menu for the program
   7. Develop method to navigate program
   8. Implement error handling functions for handling invalid inputs
   9. Implement course attributes
   10. Implement financial details for each course
   11. Display a list of existing courses

3. Duration of the sprint

   Sprint 1 has a duration of 2 week

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

   First, the setup of Java environment for all developers to start coding is essential for the execution of coding. Git repository initialisation for version control so that multiple developers can work on the project at the same time without worrying about collisions in codes.

   Design of UML and class diagram is essential to outline the overall program structure of the program for all developers to follow to allow a seamless integration process.

   The team will be implementing the console menu and navigation for the program first as it is the one of the core features in the program.Course attribute implementations and display of courses is included to initialise courses in the program and viewing of their attributes.

   Potentially shippable product at the end of the sprint will allow the course manager to view the menu console and also to view the pre-configured course list.

5. Estimation in story points.

Total Story points allocated for this sprint: 30 story points

Mr Huang   Story points assigned: 6
Mr Huang will be creating the console menu and navigation function which includes error checking for user input. Main driver class to start the execution of the program will also be implemented by Mr Huang.
- 6 story points are expected for creating the main driver, console menu and navigation function which includes error checks as Mr Huang has prior experience in Java programming.

Mr Ang   Story points assigned: 10
Mr Ang will be designing the Class diagram to help team members understand the data structure of the program. Mr Ang will also create a private repository on Github and ensure all members have access to it for the system development and also design necessary folders and files and implement method signatures as the first commit to further facilitate team member's understanding of the software architecture. Sprint Planning document will also be contrived to determine the tasks for current sprint.
- 5 story points will be allocated to the Class diagram as data structures and software architecture is designed and followed by other team members.
- Sprint planning documentation is given 2 story points to identify priority of release.
- 1 story point for initialisation of git repository as Mr Ang has used git repository frequently in the past.
- 2 story points are allocated for creating necessary java files and source folders as Mr Ang has much experience in java software architecture.

Ms Jeon   Story points assigned: 9
Ms Jeon will be creating the UML sequence diagram for the system and also implementing the course objects and view course list function.
- Creating the UML sequence Diagram is estimated to require 6 story points as sequences involves taking into account many scenarios.
- View course list function will be allocated 3 story points since Ms Jeon has a strong foundation in Java programming.

Mr Tuhairwe   Story points assigned: 5
Mr Tuhairwe is responsible for documentations in this sprint. Documentations includes Sprint Retrospective document and Sprint Backlog.
- 5 story points is estimated to be required as Mr Tuhairwe is still unfamiliar with the documentation templates and also from limited experience in project management, but more experienced in Data Analysis and presentation.