SSS

Sweet & Spicy Sixteen

For CSCC01 - Introduction to Software Engineering

Project Report

CONTACT INFORMATION

BENJIE KO   JUAN MAURO ROMANUTTI

KAREN NGO   RAPHAEL BENEDICT AMBEGIA

Table of Contents

Sprint Backlog 2

Technical Specifications:
Language used: Java
GUI creation: JavaFX with Scene Builder
APIs used: N/A for now

User Stories, Tasks, Story points and dependencies

User Story 1: 3 Story points
Make new accounts for students

Task 7: 3 Story points
    Make the functions and UI work together
    Dependency: All previous tasks
We need the functions and the GUI to work together which is the bulk of the workload that we have. We basically need the Add button to interact with the Admin createStudent function so that they update the Table View of the Student List and display each student as we add them.

User Story 2: 4 Story points
As a professor, I want to be able to remove students from the course

Task 8: 1 Story points
    Add a function to remove a student from the database
    Dependency: T1

Task 10: 2 Story points
    Combine the function and the UI element
    Dependency: T8, T9

Detailed Description:
Add a function for the admin class to manipulate the Student List and remove specific students that they want. Design a UI element on the Student List page for the admin to be able to remove students. Combine the GUI Remove button and the removeStudent function so that they interact with the Admin Student ArrayList and the GUI Tableview and display the right students.

User Story 3: 19 Story points
As a professor, I want to add/edit assignments

Task 11: 3 Story points
    Create an Assignment Class
    Dependency: N/A
Create an assignment class that contains a due date and an array to store questions in.

Task 12: 2 Story points
    Create a Question Class
    Dependency: N/A
We create a question class that needs to contain the question itself, the choices, and the answer.

Task 13: 1 Story point
    Add a function for admins to create questions
    Dependency: T11, T12
Create a function that takes the admin's questions taken through basic text (for now) and creates a question class and adds them into the respective assignment class.

Task 14: 1 Story point
    Add a UI element for adding questions
    Dependency: N/A
Design an "Add question" button on the admin's Assignment Page.

Task 15: 6 Story points
    Add a function to post assignment
    Dependency: T12, T13
Create a function that allows the admin to make assignments visible to students until the due date.

Task 16: 2 Story points
    Add a UI element to see the assignments
    Dependency: N/A
Design a page for admins to view example assignments with the questions, multiple choice answers, and a submit button.

Task 17: 4 Story points
    Combine UI and function elements to make them work together
    Dependency: All previous tasks from this user story
Connect the functions we created in this user story to the respective UI elements created.

Task Breakdown Summary:

Raphael: Tasked for secondary back end and front end coding

Juan: Tasked for main back end coding

Karen: Tasked for secondary front end and back end coding

Benjie: Tasked for main front end coding

Sprint Velocity

4 developers * 6 hrs this week = 24 story points this week

Sprint Task Breakdown:

User Story	Task	Story Points	Dependencies
U1	T7	3	
U2	T8	1	T1
U2	T10	2	T8, T9
U3	T11	3	
U3	T12	2	
U3	T13	1	T11, T12
U3	T14	1	
U3	T15	6	T12, T13
U3	T16	2	
U3	T17	4	

Provisional Schedule

Tasks	Pts	Day1	Day2	Day3	Day4	Day5
T7	3	R1	B2			
T8	1		B1			
T10	2			B2		
T11	3	J2	J1			
T12	2		J1	J1		
T13	1			K1		
T14	1	R1				
T15	6			K2	K4	
T16	2	R1	R1			
T17	4				R1, B1	J1, K1

Actual Schedule

Tasks	Pts	Day1	Day2	Day3	Day4	Day5
T7	3	R1	B2			
T8	1			B2		
T10	2			B2		
T11	3	J2	J1			
T12	2		J1			J1
T13	1	K1				
T14	1	R1				
T15	6			K2	K4	
T16	2	R1	R1			
T17	4					

Burn Down Chart