SSS

Sweet & Spicy Sixteen

For CSCC01 - Introduction to Software Engineering

Project Report

CONTACT INFORMATION

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Sprint Backlog 3

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 3: 4 Story points
As a professor, I would like to post/edit assignments

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.

User Story 4: 8 Story points
As a professor, I would like to have assignments with different questions for
each student and every attempt

Task 18: 3 Story points
 Create an algorithm to select randomized questions from the question pool
 Dependency: T15
Create an algorithm that will randomly select a designated number of
questions from an assignment question pool and put them into an assignment.
This algorithm will randomize assignments for every student, and every
reattempt that a student makes. It is possible for students to see repeat
questions.

Task 19: 5 Story points
 Implement algorithm into a function for assignment posting
 Dependency: T18

User Story 5: 5 Story points
As a student, I would like to see the answers for each question to get
immediate feedback upon finishing an assignment

Task 20: 5 Story points
　　Add UI element to see assignment answers and implement it with the assignment function
　　Dependency: T12
Design a button on the student assignment page that leads to a page similar to the assignment page with answers underneath each question.

User Story 6: 6 Story points
As a student, I would like to check the assignments that are available to be completed

Task 21: 1 Story points
　　Add a function for students to display available assignments
　　Dependency: N/A

Task 22: 2 Story Points
　　Add a UI element to display assignments for students
　　Dependency: N/A

Task 23: 3 Story Points
　　Combine said function and UI element
　　Dependency: T21, T22
Create a function that distinguishes pending assignments from overdue assignments and only displays the available ones. Design button on the student home page and combine it with the function.

Task Breakdown Summary:

Raphael: Tasked for secondary back end and front end coding

Juan: Tasked for 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
U3	T17	4	
U4	T18	3	T15
U4	T19	5	T18
U5	T20	5	T12
U6	T21	1	
U6	T22	2	
U6	T23	3	T21, T22

Provisional Schedule

Tasks	Pts	Day1	Day2	Day3	Day4	Day5
T17	4	R4				
T18	3		B3			
T19	5			B2	R2	B1
T20	5	K2	K2	K1		
T21	1	K1				
T22	2		J2			
T23	3			J2	J1	

Actual Schedule

Tasks	Pts	Day1	Day2	Day3	Day4	Day5
T17	4	R1	R1	R1	R1	
T18	3		B2	B1		
T19	5			B2	B1	R2
T20	5		K1	K1		K3
T21	1		K1			
T22	2			J2		
T23	3				J2	J1

Burn Down Chart

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