



SSS

Sweet & Spicy Sixteen

For CSCC01 - Introduction to Software Engineering

## Project Report

### CONTACT INFORMATION

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# Sprint Backlog 1

## 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: 16 Story points

Make accounts for new TAs and new accounts for students

Task 1: 1 Story point

Setup an admin class

Dependency: N/A

Task 2: 1 Story point

Setup a student class

Dependency: N/A

Task 3: 2 Story points

Setup a function so an admin is able to create accounts for students

Dependency: T1

Task 4: 2 Story points

Setup a login UI

Dependency: N/A

Task 5: 2 Story points

Setup a main page UI for the admin to show all main functionalities

Dependency: N/A

Task 6: 2 Story points

Setup a student add UI

Dependency: N/A

Task 7: 6 Story points

Make the functions and UI work together

Dependency: All previous tasks

#### Detailed Description:

This is the part where we start to build the application from the ground up so we first need to setup the login screen for it. We then have to setup the main page or the home screen of the admin that shows all the functionalities they can use i.e. view/add students, show assignments etc. As an initial design choice, we store each Student class inside an ArrayList. As a main functionality for the current user story, we setup the main student page and include a way for the admin to add students to the course.

#### **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 9: 1 Story point

Add UI elements for student removal

Dependency: N/A

##### Task 10: 2 Story points

Combine the function and the UI element

Dependency: T8, T9

#### Technological Choices:

Java as main programming language

JavaFX with Scene builder for creating GUIs

#### 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. We then combine the function and UI element.

## Task Breakdown Summary:

Raphael: Tasked for main back end coding

Juan: Tasked for main back end coding

Karen: Tasked for Documentation, Sprint and Product Backlog formatting and changes

Benjie: Tasked for main front end coding

## Sprint Task Breakdown Summary:

User Story	Task	Story Points	Dependencies
U1	T1	1	
U1	T2	1	
U1	T3	2	T1
U1	T4	2	
U1	T5	2	
U1	T6	2	
U1	T7	6	T1-T6
U2	T8	1	T1
U2	T9	1	
U2	T10	2	T8, T9

## Provisional Schedule

Tasks	Pts	Day1	Day2	Day3	Day4	Day5
T1	1	Juan - 1				
T2	1		Juan - 1			
T3	2		Roshan - 2			
T4	2	Raph - 2				
T5	2	Benjie - 2				
T6	2		Benjie - 2			
T7	6			Raph - 2	Rosh - 2	Raph - 2
T8	1		Roshan -1			
T9	1			Roshan - 1		
T10	2				Roshan - 1	Roshan - 1

## Provisional Schedule Revised

Task s	Point s	Day1	Day2	Day3	Day4	Day5
T1	1	Juan - 1				
T2	1		Juan - 1			
T3	2			Raph - 2		
T4	2	Raph - 2				
T5	2	Benjie - 2				
T6	2		Benjie - 2			
T7	6			Raph - 2	Raph - 2	Raph - 2
T8	1				Raph - 1	
T9	1			Raph -1		
T10	2				Raph - 1	Raph - 1

## Actual Schedule

Task s	Point s	Day1	Day2	Day3	Day4	Day5
T1	1	Raph - 1				
T2	1		Raph - 1			
T3	2			Raph - 2		
T4	2					Raph - 2
T5	2					Raph - 2
T6	2					Benjie - 2
T7	6				Raph - 3	
T8	1					
T9	1				Raph - 1	
T10	2					



## Burn Down Chart

