



SSS

Sweet & Spicy Sixteen

For CSCC01 - Introduction to Software Engineering

## Project Report

### CONTACT INFORMATION

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## Sprint Backlog 4

### Technical Specifications:

Java as main programming language  
JavaFX with Scene builder for creating GUIs  
MongoDB  
MLab

### User Stories, Tasks, Story points and dependencies

#### User Story 6: 22 User Story points

As a Professor/Student, I want to be able to access data from the application remotely

Task 23: 6 User Story points

Make a Database Class that setups a database for usage of the application

Dependency: N/A

Task 24: 3 User Story points

Create a function for assignments, admins, and students to be able to store data (Student names, Assignment Questions, Assignment Data) into the database

Dependency: T23

Task 25: 7 User Story points

Setup a remote server to make the database accessible to all users remotely

Dependency: T23

Task 26: 6 User Story Points

Setup the database to work with the remote server and make all functions work for the application remotely.

Dependency: T23, T24, T25

#### Detailed Description:

Setup a database and make it work remotely so as to make all data accessible regardless of where the users access them. The application previously only worked locally and this feature would make it work online which is what is needed for all the students to answer assignments that the admins make.

### **User Story 7: 11 Story points**

As a student, I want to be able to attempt/re-attempt assignment questions to receive marks

#### **Task 27: 3 Story points**

Add a function for students to be able to answer questions and record their mark

Dependency: T2, T12

#### **Task 28: 2 Story points**

Add a function to reattempt the same assignment and record their mark if it is higher than previous attempts

Dependency: T13, T2

#### **Task 29: 2 Story points**

Add GUI element to display the whole assignment and let students answer with attempt/reattempt buttons

Dependency: N/A

#### **Task 30: 4 Story points**

Combine functions and UI elements

Dependency: T27, T28

## Task Breakdown Summary:

Raphael: Tasked for transferring data into remote database

Karen: Tasked for main backend coding, secondary front end

Benjie: Tasked for main backend coding, secondary front end

Juan: Mostly unavailable due to other university school commitment.

## Sprint Velocity

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

## Sprint Task Breakdown:

User Story	Task	Story Points	Dependencies
U6	T23	6	
U6	T24	3	T23
U6	T25	7	T23
U6	T26	6	T23, T24, T25
U7	T27	3	T2, T12
U7	T28	2	T12, T13
U7	T29	2	
U7	T30	4	T27, T28

## Provisional Schedule

Tasks	Pts	Day1	Day2	Day3	Day4	Day5
T23	6	Raph - 3	Raph - 3			
T24	3		Karen - 2	Raph - 1		
T25	7		Raph - 2	Benjie - 3	Raph - 2	
T26	6				Raph - 3	Raph - 3
T27	3	Karen - 3				
T28	2			Karen - 2		
T29	2		Benjie - 2			
T30	4				Karen - 2	Benjie - 2

## Actual Schedule

Tasks	Pts	Day1	Day2	Day3	Day4	Day5
T23	6	Raph - 2	Raph - 2	Raph - 2		
T24	3			Karen - 2	Raph - 1	
T25	7			Raph - 2	Benjie - 3	Raph - 2
T26	6					Raph - 6
T27	3	Karen - 3				
T28	2		Karen - 2			
T29	2			Benjie - 2		
T30	4				Benjie - 2	Karen - 2

## Burn Down Chart

