



School of Computer Science and Engineering

The University of New South Wales

SENG2021 – Requirements and Design Workshop

Term 1 – 2019

Raisin

Date of Submission: 08/03/2019

Submitted by: Richard Liu (z5165455)

Rory Madden (z5208738)

Yorke Li (z5207298)

Faiz Ather (z5170340)

Group Info:

Name: digital_invention (formerly NoName3)

Mentor: Christopher Joy

Meeting Day: Tuesday

Meeting Time: 1:20PM – 1:40PM

CONTENTS

1	Concept Introduction	1
2	Problem Statements.....	2
3	Features & User Stories	3
4	Lo-Fidelity Prototype	7
5	High-Fidelity Prototype.....	9

1 CONCEPT INTRODUCTION

Our project will focus on fulfilling the needs of a UNSW WebCMS3 student who does not have the time to overview the course outlines for their currently enrolled courses. Thus our web application will provide the user with the ability to view all of their courses' weighted material (Assignments, Class Tests, Laboratory Exercises, etc) and their respective deadlines through an automated process. After displaying a summary of all of the courses the user will then have the option to export the assessment tasks onto a digital calendar (Google Calendar or iCal/Apple's Calendar app) at their specific due dates.

2 PROBLEM STATEMENTS

(1) There is no way for a UNSW student using WebCMS3 to view all their due dates for a specific course without reading the course outline

(2) A UNSW student must thoroughly search the entire course outline on WebCMS3 to verify they have accounted for all due dates for a specific course

(3) A UNSW student cannot view their entire due dates for all assessable content from all their courses on WebCMS3 in a single centralised place

(4) A UNSW WebCMS3 student must manually insert all their courses' due dates into their digital calendar

3 FEATURES & USER STORIES

Each user story of each respective feature will be presented together such that their priority can be explicitly represented. Each user story will embrace SMART principles so that our project can be realistically visualised to achieve success.

The figure below explains the priority scale for our project

Priority Level	Description of feature	Urgency
Priority 1	Essential for the application to function.	Must be completed first.
Priority 2	Improves the quality of the application's necessary functions.	Should be completed directly after all priority 1 tasks are completed.
Priority 3	Improves the quality of the application by providing more useful features.	Can be implemented if time permits, only if all priority 2 tasks are completed.

Figure 1: Feature Priority Table

Priority Level: 1
Feature
<p>Feature: View all course commitments</p> <p>As A UNSW WebCMS3 student</p> <p>I Want To be able to view all my course assessments together on a single page</p> <p>So That I am prepared for my entire term</p>
Scenario
<p>Scenario: Course outlines have just been released and I want to find all the assessable tasks & when they are due.</p> <p>GIVEN I am on Raisin’s Course Selection page</p> <p>WHEN I have checked all the boxes for my enrolled courses or clicked the “Select all” button</p> <p>AND clicked the “Next” button</p> <p>THEN I will be navigated to a Course Assessment Selection page</p> <p>WHEN I have checked all the boxes for the course assessments or clicked the “Select all” button</p> <p>AND clicked the “Next” button</p> <p>THEN I should be navigated to an Assessment Synopsis/“Due Dates” page displaying a summary of all my course assessments and their deadlines</p>

Priority Level: 2
Feature
Feature: All course assessments can be transferred onto a digital calendar As A UNSW WebCMS3 student I Want To be able to export all my course assessments to a digital calendar So That I can complete my assessments on time
Scenario
Scenario: Raisin has just completed gathering all of the course assessments and I wish to export them into my Google Calendar GIVEN I am on Raisin’s Assessment Synopsis/“Due Dates” page WHEN I click on the “Google Calendar” AND I log into my Google account THEN I will be asked to allow permission AND a pop up will appear verifying that the assessments have successfully been imported into my Google Calendar WHEN I check my Google Calendar, the assessments will be there

Priority Level: 3
Feature
<p>Feature: To alternate how I can view the organisation of my course assessments</p> <p>As A UNSW WebCMS3 student</p> <p>I Want To have the ability to toggle how my course assessments are displayed</p> <p>So That I can organise my commitments each week or to each course accordingly</p>
Scenario
<p>Scenario: Raisin has just completed gathering all of the course assessments, and I want to see a summary of all my assessments tasks by course and/or by week</p> <p>GIVEN I am on Raisin’s Assessment Synopsis/“Due Dates” page</p> <p>WHEN I click on a button called “Courses”</p> <p>THEN the course assessments should be arranged into separate sections for each individual course, which is organised by each week in these sections</p> <p>WHEN I click on a button called “Week”</p> <p>THEN all course assessments should be organised together into their respective weeks</p>

4 LO-FIDELITY PROTOTYPE

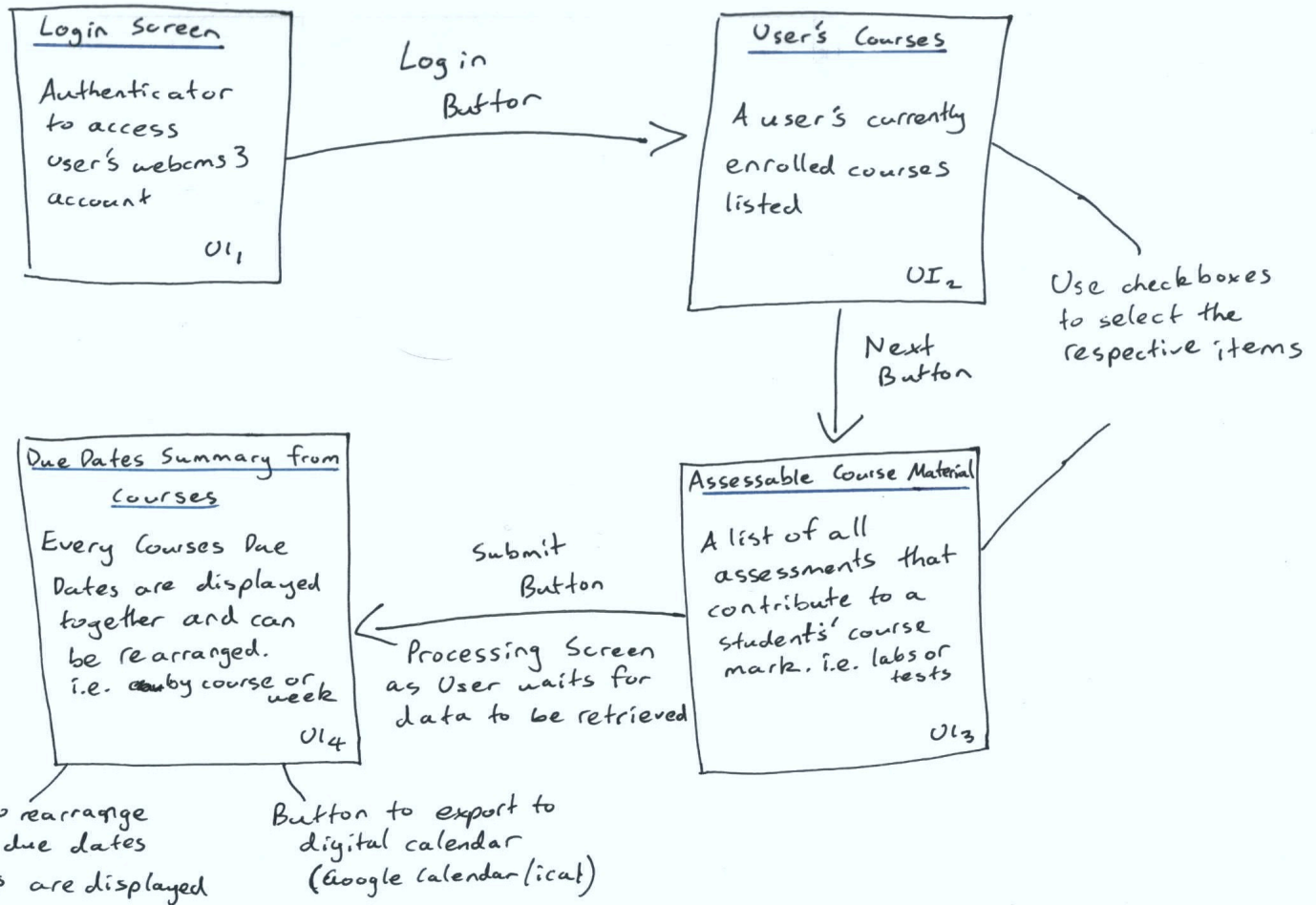


Figure 1: Storyboard Interactions Graphs

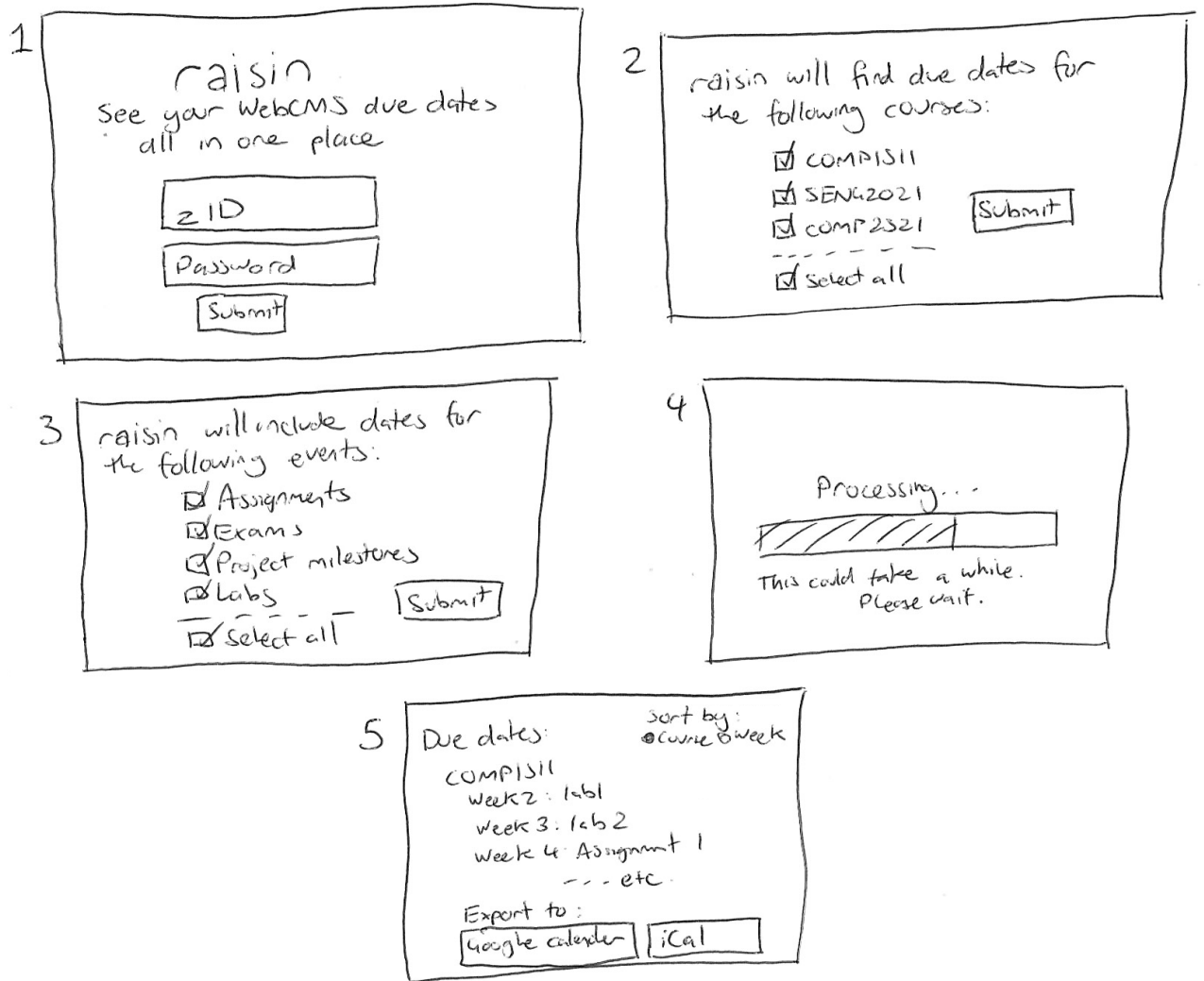


Figure 2: Storyboard interactions + UI Component Sketch

5 HIGH-FIDELITY PROTOTYPE

A simple interactive prototype of our website can be viewed through opening the HTML files in any web-browser. Hence the buttons allow navigation to the next webpage. This initial user interface of our website provides an insight as to how a UNSW student using WebCMS3 can operate our application.

These HTML files can be found in the ‘master’ branch, in the ‘html’ directory, and the user interface files begins with the ‘index.html’. These user interface webpages of our website can also be viewed through the figures below.

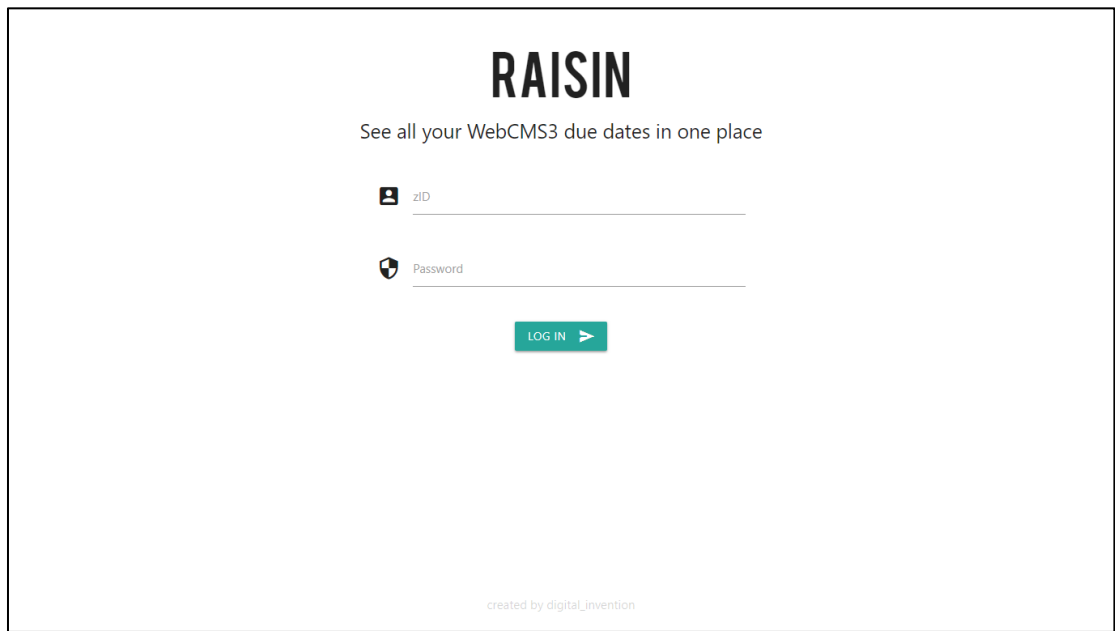


Figure 1: Raisin Login Interface

Raisin will find dates for the following courses:

- ☐ COMP1911
- ☒ COMP1511
- ☐ SENG2021
- ☐ COMP2111

☐ Select all

NEXT >

Figure 2: Raisin Course Selection Interface

Raisin will include dates for the following events:

- ☒ Assignments
- ☒ Exams
- ☒ Project milestones
- ☒ Labs

☒ Select all

NEXT >

Figure 3: Raisin Course Deadlines Interface

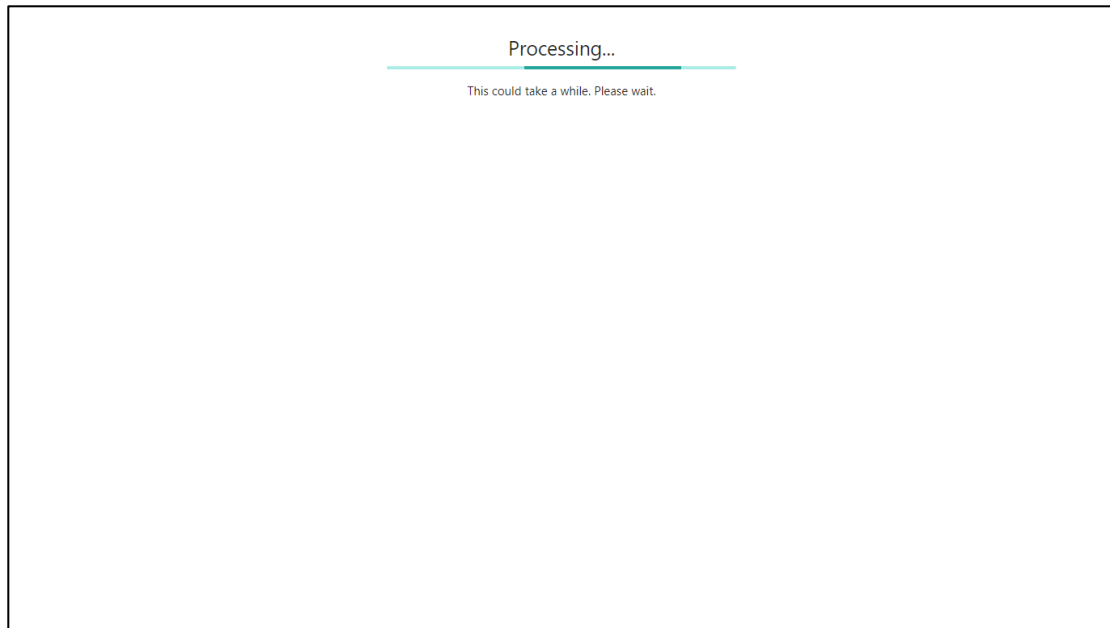


Figure 4: Raisin Loading Screen Interface

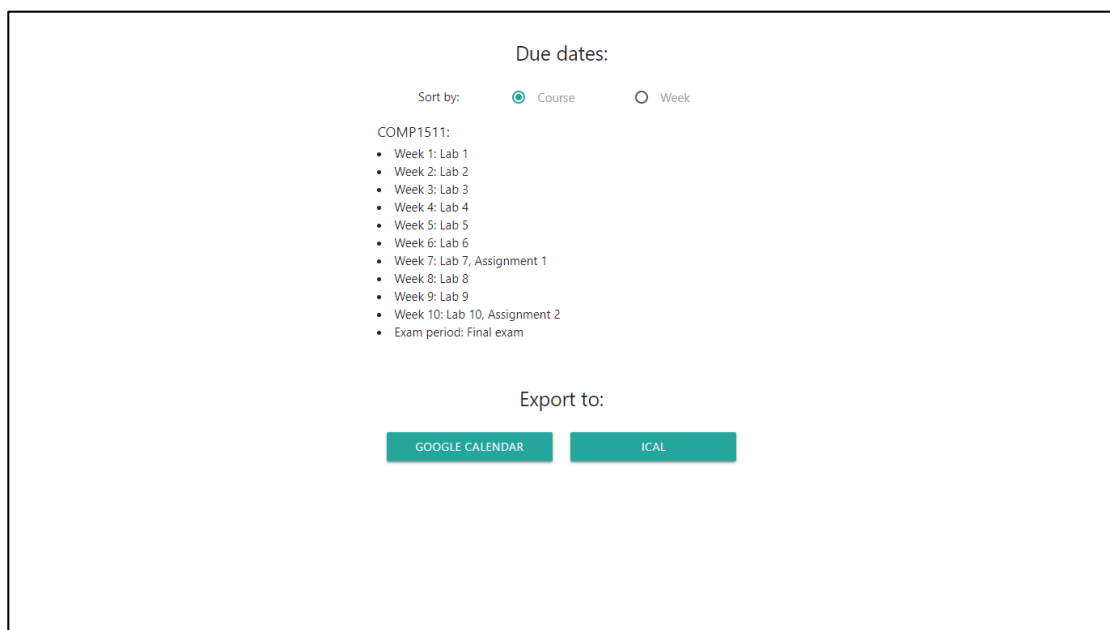


Figure 5: Raisin Course Weighted Assessments Interface