# Document Description

This document contains a list of the Weekly Task List and MultiMonth Calendar features for the Student Schedule Manager application and a description of the acceptance tests written in SpecFlow format.

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# Login

## U-004-LoginToAccount

Feature: Login to an account

As a user

I want to enter my login information

So that I can access my information

Background:

Given I am on the Login screen

@Normal\_Flow

Scenario: I successfully login to my account

Given I have entered “scott” as the username

And I have entered “scott” as the password

When I press Login

The app should take me to the dashboard screen

And I have access to the WTL, MMC, and WC for scott

@Alternative\_Flow

Scenario: I do not login to an account because I gave a nonexistent username

Given I have entered “abcefgh” as the username

And I have entered “hufflepuff” as the password

When I press Login

The app should respond with a notification that the Username Does Not Exist

And I stay on the Login screen

@Alternative\_Flow

Scenario: I do not login to an account because I gave an invalid password

Given I have entered “scott” as the username

And I have entered “hufflepuff” as the password

When I press Login

The app should respond with a notification that the Password is Incorrect

And I stay on the Login screen

# Create Account

## UR-002-RegisterForAccount

Feature: Create a new account

As an unregistered user

I want to enter my account information

So that I can create an account

So that I can access my information in the future

Background:

Given I am on the Create Account screen

@Normal\_Flow

Scenario: I successfully create an account

Given I have entered “abcefgh” as the username

And I have entered “abcefgh@hotmail.com”

And I have entered “hufflepuff" as the password

When I press Submit

The app should take me to the Login screen

And I can now login with my account

@Alternative\_Flow

Scenario: I do not create an account because the username already exists

Given I have entered “scott” as the username

And I have entered “abcefgh@hotmail.com”

And I have entered “hufflepuff” as the password

When I press Submit

The app should respond with a notification that the Username Already Exists

And I stay on the Login screen

@Alternative\_Flow

Scenario: I do not create an account because the email already exists

Given I have entered “abcefgh” as the username

And I have entered “scott@scott.com”

And I have entered “hufflepuff” as the password

When I press submit

The app should respond with a notification that the Email Already Exists

And I stay on the Login screen

# MultiMonthCalendar (MMC)

## CreateNewMultiMonthCalendar

#### U-013-AddNewSemesterCalendar

### Narrative

1. USER navigates to WEBSITE in the BROWSER
2. The BROWSER sends GET request to EXPRESS API on a NODE on a cloud server
3. NODE sends (public files – html, css, js) through EXPRESS API back to the BROWSER
4. The BROWSER builds and runs the JavaScript code and then renders the html on the screen

[In the BROWSER]

1. listener\_submitSemesterDates is on

[In the UI]

1. The USER enters a DATE into the field\_semesterStartDate
2. The USER enters a DATE into the field\_semesterEndDate
3. The USER strikes the button\_submitSemesterDates

[In the BROWSER]

1. The listener\_submitSemesterDates is notified of an activation
2. The listener\_submitSemesterDates starts the SemesterDatesProcessor (SDP) subroutine

[In the SemesterDatesProcess subroutine]

1. The SDP goes to the DOM and collects the {semesterStartDate, semesterEndDate} from the {field\_semesterStartDate, field\_semesterEndDate}
2. The SDP creates semesterDayArray, a 1D array containing DAY information for every day between the semesterStartDate and semesterEndDate
3. The SDP saves the semesterDayArray to LOCAL STORAGE
4. The SDP sends the semesterDayArray to the SemesterCalendarBuilder (SCB) subroutine
5. The SemesterDatesProcess subroutine shuts down

[In the SemesterCalendarBuilder (SCB) subroutine]

1. The SCB takes the semesterDayArray from the SDP
2. The SCB creates a table with the appropriate number of columns and rows to house the entire semesterDayArray
3. The SCB places the DAY information from the semesterDayArray into each appropriate cell in the table
4. The SCB tells the BROWSER to replace what was previously on the screen and display this new table on the screen

### SpecFlow

Feature: Create New Multi-Month Calendar

As a user

I want to enter the period start date and period end date

So that I can see a display of how many days until my goal date

Background:

Given I am on the CreateNewMultiMonthCalendar screen

@Normal\_Flow

Scenario: I successfully create a new multi-month calendar

Given I have entered 5/1/2022 as the period start date (date, drop-down or type in)

And I have entered 8/21/2022 as the end date (date, drop-down or type in)

When I press Submit

The app should respond with a message asking me to confirm the dates I have entered

When I press OK

Then the app should respond with the MultiMonthCalendar screen

And I can see a calendar showing the days between the dates I specified

@Alternative\_Flow

Scenario: I cancel creating a new multi-month calendar

Given I have entered 5/1/2022 as the period start date (date, drop-down or type in)

And I have entered 8/21/2022 as the end date (date, drop-down or type in)

When I press Submit

The app should respond with a message asking me to confirm the dates I have entered

When I press Cancel

Then the app should stay on the CreateNewMultiMonthCalendar screen

@Alternative\_Flow

Scenario: I enter a period end date that is before the period start date

Given I have entered 5/1/2022 as the period start date (date, drop-down or type in)

And I have entered 8/21/2022 as the end date (date, drop-down or type in)

When I press Submit

The app should respond with a message telling me it is an invalid date range

The app should stay on the CreateNewMultiMonthCalendar screen

## CheckDayOffOnMultiMonthCalendar

### SpecFlow

Feature: Check Off Days on Multi-Month Calendar

As a user

I want to check days off on my multi-month calendar

To countdown my progress to my goal date

Background:

Given I am on the MultiMonthCalendar screen

And a multi-month calendar with the starting date of 05/01/2022 and the end date of 08/21/2022 is displayed on the screen

@Normal\_Flow

Scenario: I successfully check off a day on the calendar that is yesterday or before

Given I want to check-off the day of 05/01/2022

When I click the Checkbox

Then the app should remove the option to check the checkbox from that cell

The app should change the color of that cell to SUCCESS

The app should add text that says “Completed!” to the cell

The app should decrement the counter of my number of days remaining

@Alternative\_Flow

Scenario: I unsuccessfully check off a day on the calendar that is today or after

Given I want to check-off the day of <TODAY>

When I click the Checkbox

Then the app should remove the check from the cell

## CheckOffAllAvailableDaysOnMultiMonthCalendar

### SpecFlow

Feature: Check Off All Days Prior to Today That Are Unchecked on the Multi-Month Calendar

As a user

I want to check off multiple days at a time on my multi-month calendar

To easily countdown my progress to my goal date

Background:

Given I am on the MultiMonthCalendar screen

And a multi-month calendar with the starting date of 3/14/2022 and the end date of 4/30/2022 is displayed on the screen

@Normal\_Flow

Scenario: I successfully check off all days before today

Given I check off the day of 3/14/2022

When I click the Check Off All Available Days button

Then the app should [MARK COMPLETE] all days prior to today

And I should see the change immediately on the screen

## DeleteCurrentMultiMonthCalendar

### SpecFlow

Feature: Delete the Current Multi-Month Calendar

As a user

I want to clear my multi-month calendar

To reset the multi-month calendar and start a new one

Background:

Given I am on the MultiMonthCalendar screen

And a multi-month calendar with the starting date of 3/14/2022 and the end date of 4/30/2022 is displayed on the screen

@Normal\_Flow

Scenario: I successfully delete the current multi-month calendar

Given I choose to delete the current multi-month calendar

When I click the Delete Calendar button

The app should respond with a message asking me to confirm that I want to delete the calendar

When I press OK

Then the app should clear all existing data related to the current multi-month calendar

And the app should respond with the CreateNewMultiMonthCalendar screen

@Normal\_Flow

Scenario: I cancel deleting the current multi-month calendar

Given I choose to delete the current multi-month calendar

When I click the Delete Calendar button

The app should respond with a message asking me to confirm that I want to delete the calendar

When I press Cancel

Then the app should remain on the current MultiMonthCalendarScreen

## AddDailyInfoToMultiMonthCalendar

#### U-034-AddDailyInfoToMultiMonthCalendar

### SpecFlow

Feature: Add daily info to multimonth calendar day

As a user

I want to add high level daily information to specific days during the multi-month period

To keep track of upcoming important information

Background:

Given I am on the MultiMonthCalendar screen

And a multi-month calendar with the starting date of 3/14/2022 and the end date of 4/30/2022 is displayed on the screen

@Normal\_Flow

Scenario: I successfully add high-level daily information to the day

Given I choose to add daily information to a specific day

When I double click the day on the calendar

The app should respond with a place for me to add high level daily information

When I enter the information

When I press OK

Then the app should update that specific day with the high-level daily information I entered

And the app should respond with the MultiMonthCalendar screen

@Normal\_Flow

Scenario: I cancel adding high-level daily information to the day

Given I choose to add daily information to a specific day

When I double click the day on the calendar

The app should respond with a place for me to add high level daily information

When I enter the information

When I press cancel

Then the app should not update anything

And the app should stay on the MultiMonthCalendar screen

## UpdateDailyInfoOnMultiMonthCalendar

### SpecFlow

Feature: Update daily info on a multimonth calendar day

As a user

I want to update the high-level daily information on a specific day during the multi-month period

To stay up to date on upcoming important information

Background:

Given I am on the MultiMonthCalendar screen

And a multi-month calendar with the starting date of 05/01/2022 and the end date of 8/21/2022 is displayed on the screen

@Normal\_Flow

Scenario: I successfully update high-level daily information to the day

Given I choose to update daily information on a specific day

When I double click the day on the calendar

The app should respond with a place for me to update high level daily information

When I enter the updated information

When I press OK

Then the app should update that specific day with the high-level daily information I entered

And the app should respond with the MultiMonthCalendar screen

@Normal\_Flow

Scenario: I cancel updating high-level daily information on the day

Given I choose to update daily information on a specific day

When I double click the day on the calendar

The app should respond with a place for me to update high level daily information

When I enter the updated information

When I press Cancel

Then the app should not change the info on that that specific day

And the app should say on the MultiMonthCalendar screen

# WeeklyTaskList (WTL)

## StartNewWeeklyTaskList

#### U-020-StartNewWeeklyTaskList

### SpecFlow

Feature: Start New Weekly Task List

As a user

I want to start a new weekly task list

So that I can track and schedule the tasks that I must complete for the week

Background:

Given I already have a Semester Calendar created

Given I am on the Weekly Task List screen

@Normal\_Flow

Scenario: I start a new weekly task list for the first time

When I choose “Start New Weekly Task List”

The app should show a new Task List for the current week (Sun-Sat)

And it should have a Task Category called Misc

@Alternative\_Flow

Scenario: I start a new weekly task list when I already have one

When I choose “Start New Weekly Task List”

The app should show a new Task List for the current week (Sun-Sat)

And should have all the Task Categories from the previous Task List

And should have all the incomplete Tasks from the previous Task List

## AddNewTaskCategory

#### U-015-AddNewTaskGrouping

### SpecFlow

Feature: Add new Task Category

As a user

I want to add a new Task Category

So that I can organize Tasks by category

Background:

I am on the Weekly Task List Screen

And a Task List for the current week exists

@Normal\_Flow

Scenario: I successfully add a new Task Category

Given I choose “Add New Task Category”

And I enter “CSCI5900” as the Name (text, 32chars)

And I enter “grad project prep” as the Notes (text, 128chars)

[Want to have: Color]

When I choose “Submit”

The Task List should have a new Task Category with the name “CSCI5900”

And should have a place to see the Notes

@Alternative\_Flow

Scenario: I cancel adding a new Task Category

Given I choose “Add New Task Category”

And I enter “CSCI5900” as the Name (text, 32chars)

And I enter “grad project prep” as the Notes (text, 128chars)

[Want to have: Color]

When I choose “Cancel”

The Task List will have no new Task Categories

## AddNewTaskToTaskList

#### U-016-AddNewTaskToTaskList

### SpecFlow

Feature: Add New Task to Task List

As a user

I want to add a new task to the task list

So that I can identify and list the items that I need to complete

Background:

I am on the Weekly Task List Screen

And a Task Category exists called “CSCI5900”

@Normal\_Flow

Scenario: I add a new task to a task category on the task list

Given I choose “Add Task to Task Category CSCI5900”

And I enter the “Grad project presentation” as the Task Short Name (text, 32chars)

And I enter “To be done by the end of the Fall semester” as the Task Notes (text, 128chars)

And I enter “30minutes” as the Estimated Time to Complete

And the Task Category is auto-filled as “CSCI5900”

When I choose “Submit”

The Task “Grad project presentation” is added into the “CSCI5900” Task Category

And should have place to see the Notes

@Alternative\_Flow

Scenario: I cancel adding a new task to a task category on the task list

Given I choose “Add Task to Task Category CSCI5900”

And I enter the “Grad project presentation” as the Task Short Name (text, 32chars)

And I enter “To be done by the end of the Fall semester” as the Task Notes (text, 128chars)

And I leave Estimated Time to Complete blank

And the Task Category is auto-filled as “CSCI5900”

When I choose “Cancel”

The Task List does not change

## AddTaskInformationToTask

### SpecFlow

Feature: Add Task Information to a Task

As a user

I want to add information to a task

So that I can record the due date, schedule time to work on it, and estimate how much time I expect it to take

Background:

Given I am on the Weekly Task List page

And a Task Category with the name of “CSCI5900” exists

And a Task with the name “Grad project presentation” exists within “CSCI5900”

@Normal\_Flow

Scenario: Add information to the task

Given I choose “Add Task Information”

And I enter 3/14/2022 as the Due Date (date, dropdown or type in)

And I enter 3/10/2022@5pm as the Work Time (date, dropdown or type in)

[Want to Have: And I enter “30mins” as the Expected Time to Complete (datetime, dropdown or type in)]

When I hit “Save”

The Task should have updated Due Date

And should have updated Work Time

And should store 30minutes as the Expected Time to Complete

@Alternative\_Flow

Scenario: I cancel adding information to the task

Given I choose “Add Task Information”

And I enter 3/14/2022 as the Due Date (date, dropdown or type in)

And I enter 3/10/2022@5pm as the Work Time (date, dropdown or type in)

[Want to Have: And I enter “30mins” as the Expected Time to Complete (datetime, dropdown or type in)]

When I hit “Cancel”

The Task List does not change

## CheckTaskAsComplete

#### U-018-CheckTaskAsComplete

### SpecFlow

Feature: Check Task as Complete

As a user

I want to check a task as complete

So that I can see that I have completed the task

And feel rewarded when I do so

Background:

I am on the Weekly Task List page

And a Task Category of “CSCI5900” exists

And a Task with the name “Grad project presentation” exists within “CSCI5900”

@Normal\_Flow

Scenario: I check task as complete

Given I am done with the task “Grad project presentation”

When I check the task as completed

The Task should be marked as completed

@Alternative\_Flow

Scenario: I check task as complete and then immediately unmark it as complete

Given I am done with the task “Grad project presentation”

When I check the task as completed

And I click the checkbox again

The Task should be marked as incomplete

## DeleteTaskFromTaskList

#### U-019-DeleteTaskFromTaskList

### SpecFlow

Feature: Delete Task from the Task List

As a user

I want to delete tasks

So that I can get rid of tasks that I no longer need to complete

Background:

Given I am on the Task List page

And a Task Category of “CSCI5900” exists

And a Task with the name “Grad project presentation” exists within “CSCI5900”

@Normal\_Flow

Scenario: I successfully delete a task

Given I want to delete “Grad project presentation” from the Task List

When I choose “Delete Task” on the “Grad Project presentation” Task

And I choose Confirm

The “Grad project presentation” Task is no longer on the Task List

@Alternative\_Flow

Scenario: I cancel deleting a task

Given I want to delete “Grad project presentation” from the Task List

When I choose “Delete Task” on the “Grad Project presentation” Task

And I choose Cancel

The Task List does not change

# WeeklyCalendar