

## Sluglet: Sprint 4 Plan

**Completion Date: 12/5/2023**

**Goal: Location Services, routing to classes, and keeping track of previous quarters.**

Priority	User Story	Tasks	Story Points
10	As a user, I want to be notified when it's time for class so I don't forget	A1 Set up Alarm Manager to wake up the app and perform a function at a designated time - 7 SP a. Handle dateTime events. (Probably need to parse the dateTime field of the CourseData object)	7
5	As a user, I want the app to have multiple settings to customize my experience and make it my own.	B1. Create an empty Settings Page with navigation and scrolling capabilities - 2 SP B2. Create a Calendar theme composable that can change the color of the calendar - 1 SP B3. Create a composable settings option to sign out the current user (AccountService) - 1 SP B4. Create a composable to choose between light/dark mode or use the system default - 1 SP B5. Create a composable to enable/disable push notifications - 2 SP B6. Combine composables into a final settings screen - 2 SP B7. Link between Sign Up page and the Settings menu - 3 SP	9
8	As a user, I want to easily remove courses from my schedule so I can better organize my time.	C1. Change coursebox to take in an Icon as a parameter ( + or - ) - 1 SP C2. Implement onRemoveClick() function in Schedule Screen view model - 1 SP C3. Add a removeCourse function to AccountService - 2 SP	4
4	As a user, I want to have a profile where I can see my previous quarter's classes and schedules so I can keep track of them	D1. Add a method to retrieve current quarter and a list of existing quarters from a service module - 2 SP D2. Create a settings composable to select the user's desired quarter from existing quarters. - 1 SP D3. Update "courses" in StorageService to refer only to the current quarter's courses	7

		- 2 SP D4. Update user course storage to store multiple quarters of courses - 1 SP D5. Update user course retrieval to retrieve the currently selected quarters courses - 1 SP	
7	As a user, I want to see my location on the map so I know where I am on campus	E1. Require location service permissions to be enabled -1 SP E2. Create a user location marker (so that it is distinguishable from other markers) - 1 SP E3. Implement MyLocation overlay for OSM to get current location ( <a href="#">Link with example</a> ) - 4 SP	6
5	As a user, I want to see a route from my current location so I can know how to get somewhere easily	F1. Create a RoutingService module to interface with routing API - 4 SP F2. Use a routing API to find the shortest path on OSM between two points - 3 SP F3. Use coordinates from routing API to draw a polyline on map - 2 SP F4. Create Polyline.kt file in OSMaps package for drawing polylines - 3 SP F5. Create UI element on CourseMarkers that draws a route when selected - 2 SP	14

## **Resources**

// Extension for OSM for navigation  
<https://github.com/MKergall/osmbonuspack>

## **Team**

Alec: Developer, Scrum Master

- ☐ D3
- ☐ D4
- ☐ D5

Ian: Developer

- ☒ E1
- ☒ E2
- ☒ E3

Camden: Product Owner, Developer

- ☒ E1
- ☒ E2
- ☒ E3
- ☒ F4
- ☒ B3 -- (reassigned mid sprint)

- ☒ B7-- (reassigned mid-sprint)
- ☒ As a user, I want to see a calendar with all of my classes scheduled so I can visualize when my classes are → get ready for merging to main
- ☒ As a user, I want to have a home page where I can perform multiple functions at once so I can have everything in one place → get ready for merging to main

Max Platt: Developer,

- ☒ F1
- ☒ F2
- ☒ F3
- ☒ F5

Max: Developer

- ☐ B1-B7

Tanuj: Developer

- ☒ A1
- ☐ D1
- ☐ D2

### **Scrum Times**

Tuesday: 11:30-11:45

Thursday: 11:00-11:15

Sunday: 11:00-11:15

### **Scrum Board:**

Hosted through [Asana](#)

### **Burnup Chart:**

## Task completion over time

