

Sluglet: Sprint 3 Plan

Completion Date: Tues Nov. 21

Goal: Fully interactive map functionality and push notifications for scheduling

Priority	User Story	Tasks	Story Points
10	As a user, I want to see all the classes I selected appear on the map so that I can easily find individual classrooms	A1 Clean location data so that the passed in string can be found by map API (either in web scraper, or in the app itself) - 4 SP A2 Create a "Map Screen" composable and viewmodel with its own navigation icon - 2 SP A3 Implement Map button on course tiles so that, when clicked, navigates to the map screen and triggers a function call - 2 SP A4 Display an integrated map on the map screen - 13 SP A5 Write a function to place a marker on the map at a given location - 8 SP A6 Populate map with markers for user's registered courses based on what is present in firestore - 4 SP	33
6	As a user, I want to be notified when it's time for class so I don't forget	B1 Create a basic service interface and impl file for push notifications - 1 SP B2 Code a function that sends a push notification to the device when triggered - 7 SP B3 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)	15
3	As a user, I want the app to have multiple settings to customize my experience and make it my own.	C1. Create an empty Settings Page with navigation and scrolling capabilities - 2 SP C2. Create a Calendar theme composable that can change the color of the calendar - 1 SP C3. Create a composable settings option to sign out the current user (AccountService) - 1 SP C4. Create a composable to choose between light/dark mode or use the system default - 1 SP C5. Create a composable to enable/disable	9

		push notifications - 2 SP C6. Combine composables into a final settings screen - 2 SP	
4	As a user, I want to use the app before signing in so I can start scheduling immediately	D1 Create an anonymous user by default when starting the app - 2 SP D2 Add support for anonymous users in functions that call AccountService - 5 SP D3 Allow anonymous users to store data in firestore - 4 SP D4 Link anonymous to a new or existing user when signing up - 3 SP	14
5	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.	E1 Display user's currently active courses on home screen - 3 SP E2 Settings gear that opens side menu for settings - 4 SP E3 Back button to navigate from settings to home screen - 2 SP E4 Use back button on Android to navigate back to home - 2 SP	16
6	As a user, I want to see a calendar with all of my classes scheduled so I can visualize when my classes are	F1 Display a calendar on-screen with the current day highlighted [5] F2 Display registered classes on selected calendar date (see sample project) [5] F3 Display registered classes below calendar with course information for selected date [3]	13
3	As a user, I want my classes to be loaded automatically so I don't have to manually input them all	G1 Create and propagate home screen with user's classes [4] a. Implement retrieval of user specific info from firestore	14

Spike

Research myUCSC web scraping

Team

Alec: Developer,

- ☒ D1
- ☒ D2
- ☒ D3
- ☒ D4

Ian: Developer

- ☒ E1
- ☒ E2

☒ E3

☐ E4

Camden: Product Owner, Developer

☒ A2

☒ A3

☒ A4

☒ A5

☒ A6

Max Platt: Developer

☒ A1

☒ A3

☒ A4

☒ A5

☒ A6

Max: Developer

☐ C1

☐ C2

☐ C3

☐ C4

☐ C5

Tanuj: Scrum Master, Developer

☐ B1

☐ B2

☐ B3

☐ C5

☐ Research into logging into MyUCSC to scrape data on enrolled courses

Scrum Times

Tuesday: 11:30-11:45

Thursday: 11:00-11:15

Sunday: 11:00-11:15

Scrum Board:

Hosted through [Asana](#)

Burnup Chart:

Burnup Chart

