

Sprint 2

Crimson Ministry

Namito Yokota, Williams Beaumont, and Coleman Cost





Project Focus

Problem

- Campus Ministries at the University of Alabama are divided
- Each ministry focus on inviting others to their own events

Solution

- Unified platform for students to plan and organize their own outreach events
- Interested students can join and work together with other students to lead events

Development Tools

- Front-End: Flutter
- Back-End: Google Firebase



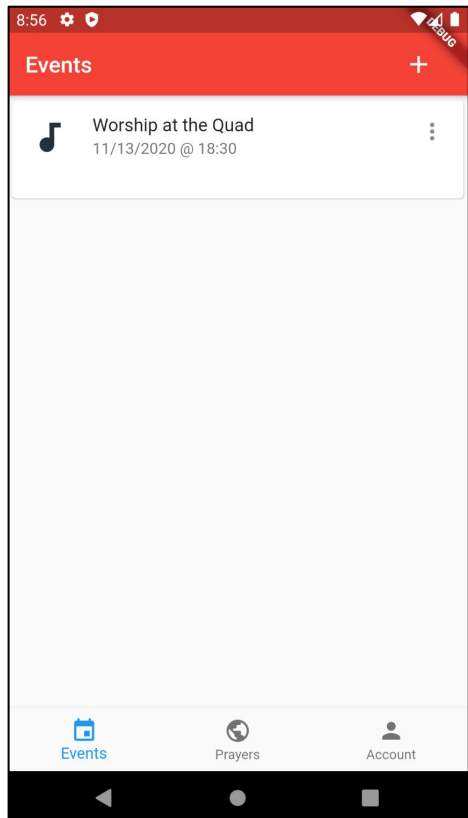
Sprint Goals

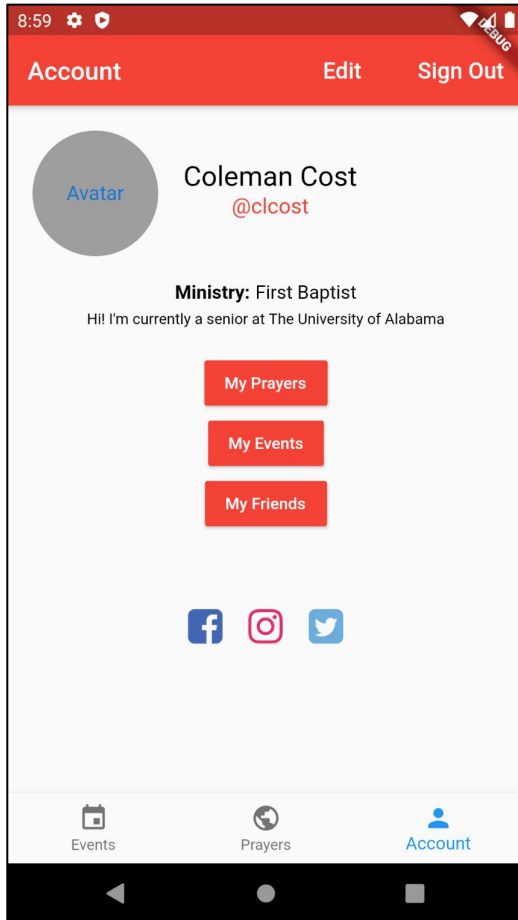
- Implement an account page to display account profile
 - edit profile (name, username, bio, ministry, social media)
 - delete account
- Implement events and prayers feed pages
 - display all upcoming events
 - detailed page for each
 - ability to RSVP to events or pray for prayer requests
- Implement “my events” and “my prayers” pages
 - allow user to edit event/prayer requests that they created
- Implement a friending system
 - ability to view other users’ profiles and send friend requests



Sprint Achievements

- Implemented a social media style feed
 - Prayers/Events pages
 - Developed UI and queried the Google Firestore
 - Supports “Praying” (Similar to a Like)
 - Supports RSVP so users can interact with various event posts
 - Supports detailed viewing of individual posts
- Built UI for the User’s account page
 - Includes: Name, username, bio, their ministry, and their other social media accounts if desired
 - Their posts (both events and prayer requests)





Sprint Achievements Cont.

- Implemented editing/deletion of a user's account
 - Query the Google Firestore to update user data that they wish to change
 - User can now choose to delete their account
 - Removes User documents and authentication from the Firestore
- Implemented part of a Friendship system
 - Users can now send friend requests to one another



Project Backlog

ID	Story	Estimated Hours	Priority (1-5)	Sprint When Finished
1	User authentication (log in and sign up)	6	1	1
2	Create profile	4	1	1
3	Create an outreach or bible study event	6	1	1
4	Create a prayer request	6	1	1
5	Implement page navigation using routes	8	1	1
6	Read events from database and show feed	5	1	2
7	Read prayer request from database and show in feed	3	1	2
8	Update and delete bible study event	3	2	2
9	Update and delete prayer request	3	2	2
10	Allow ability to refresh feed	3	2	2
11	Add prayer counter system	3	2	2
12	Implement events RSVP system	10	3	2
13	Allow links to other media profiles on user profiles	4	4	2
14	User profile to edit or delete profile	4	2	2
15	Search function for users, events, and prayer requests	6	3	
16	Filter different types of events (bible study, outreach, etc.)	3	3	
17	Store history of events and show in account profile	4	3	
18	Add location to event with Google Maps	10	3	
19	Allow file attachments on events	6	4	
20	Add friends to profile (send / accept requests)	8	4	
21	Add Google Maps display	8	5	
22	Add settings tab	4	5	
23	Add calendar view	8	5	
24	Finalize the UI	6	5	
25	Design logo, documentation, finalize website	2	5	

- Timely:
 - Friendship system
 - RSVP system
- Next Sprint:
 - Google Maps implementation
 - UI finalization
 - Add more attributes to event posts



Not Completed / Lessons Learned

- Not Completed
 - User Profile Image for their account page
 - Filtering different types of events (Bible study, outreach, etc.)
 - Search function for users, events, and prayers
 - Friending system
- Lessons Learned
 - When changing attribute types and adding new variables to database, debugging can become complicated
 - As a group we need to communicate with one another
 - Understanding each person's implementation (saves time)



Test Cases



```
flutter test test/event/addEvent_test.dart
```



```
flutter test test/event/updateEvent_test.dart
```



```
flutter test test/event/deleteEvent_test.dart
```



```
00:06 +0: Add an event
```

```
userID : Rco0ZMq2lweyKLtdNtTSiemBV6K2  
date : 2020-11-15 08:15:00.000  
typeOfEvent : Bible Study  
title : Bible Study at the Quad  
location : In front of Denny Chimes  
description : My friend and I are going through Chapter 1 of Matthew
```

```
00:06 +1: All tests passed!
```



```
00:06 +0: Update an event
```

```
documentID : SKE66wWLXZogiazW53NH  
title : Bible Study at the Quad  
location : In front of Denny Chimes  
description : Updated description!
```

```
00:06 +1: All tests passed!
```



```
00:06 +0: Delete an event
```

```
documentID : SKE66wWLXZogiazW53NH
```

```
00:06 +1: All tests passed!
```


Sprint 2

Demo

