

Sprint 3

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

- Restructure UI
- Implement Google Maps functionality
- Create filtering system for Events feed
- Sort events chronologically and only show upcoming events
- Only show recent prayer requests
- Allow users to see who has interacted with prayer requests and events
- Implement friending system
- Allow users to upload profile pictures



Sprint Achievements

- All goals achieved
- Friending system changed to “favoriting” system
 - Similar to “following” on other platforms
- Account page moved off of navigation tab, now has its own button
- Map page added to navigation tab
 - Users able to view and add events on the map with markers
- Time constraints added to feeds where only events with future dates and prayer requests from the past ten days are displayed



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	

- Adding profile photos took longer than expected
- Creating video and updating website was pushed back farther than it should have been



Not Completed / Lessons Learned

- Not Completed
 - The full friendship system that was desired
 - Changed to a “favorite system”
- Lessons Learned
 - Sometimes difficult to read others code
 - Should have had a uniform naming convention and architecture in order to make it easier to understand others
 - Lack of modularity
 - Lead to not so scalable and unclean code (costs time)



Test Cases

Add Social Media

```
00:30 +0: Add Social Media
updating account
userID : c190hkzp6PdpIRGriC0Jpzv4Rd22
firstName : Namito
lastName : Yokota
username : namitoyokota
ministry : Reach
bio : Bio
twitterLink : https://twitter.com/namitoyokota
facebookLink : https://facebook.com/namitoyokota
instaLink : https://instagram.com/namito_yokota
success
00:30 +1: All tests passed!
```

flutter test test/account/addSocial_test.dart

RSVP to Event

```
00:07 +0: RSVP to Event
adding to rsvp
documentID : YjEFKLBx7orppML0x7d0
rsvpList : [c190hkzp6PdpIRGriC0Jpzv4Rd22]
success
00:07 +1: All tests passed!
```

flutter test test/event/rsvpEvent_test.dart

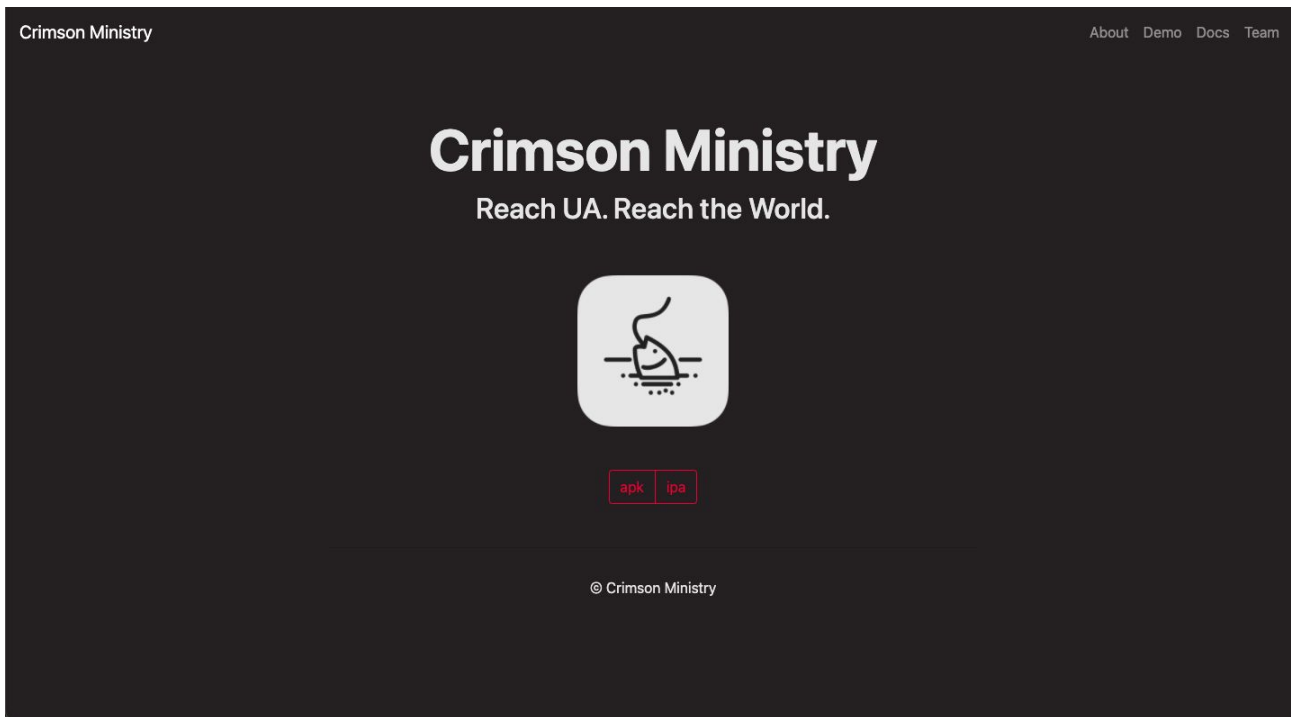
Favorite User

```
00:04 +0: Favorite User
favorite user
userID : c190hkzp6PdpIRGriC0Jpzv4Rd22
success
00:04 +1: All tests passed!
```

flutter test test/account/favoriteUser_test.dart



Website



About

Problem

Campus ministries at the University of Alabama are divided and each ministry focus on their own outreach events. Many students struggle to find connections with students in other campus ministries.

Solution

A unified platform for students to plan and organize their own mission trips to the campus to spread the Word of God.

Features

- Create and organize a bible study, worship, or other events
- View events from other students and RSVP to attend
- View where the missions are happening through a campus map
- Post prayer requests and pray for others' prayer requests
- Add your profile with your ministry and social media links
- Add friends

Team



Namito Yokota

Senior at the University of Alabama studying Computer Science with a Mathematics minor. View my [portfolio](#) for more information!



Coleman Cost

From Huntsville, AL. Currently a Senior at The University of Alabama studying Computer Science with an expected graduation in December of 2020.



Williams Beaumont

Senior at the University of Alabama studying Computer Science with a concentration in Cyber Security and minor in Marine Science. Expected graduation in December 2020.

Docs

Releases

Source Code

Presentations

Project Pitch Slides

Sprint 1 Presentation

Sprint 2 Presentation

Sprint 3 Presentation

Sprint Backlogs

Sprint 1 Backlog

Sprint 2 Backlog

Sprint 3 Backlog

Demo



Sprint 3

Demo

