**Progress Report**

**- Increment 2 -**

**Group #21**

Please use this template to describe your progress on the group project in the latest increment. Please do not change the font, font size, margins or line spacing. All the text in italic should be removed from your final submission.

# Team Members

Please write the **name** of all the team members, their **FSU IDs**, and **GitHub IDs** here.

Felipe Bergano, fb16, fbergano06

Andres Paz Vicca, aap17e, aap17e

Liz Parra, lfp16b, lizparra

Raymond Jie Chen, rjc14, guy6020665

Leylanni Quijano-Shafer, lsq17, leylannis

1. **Project Title and Description**

Drunk Mode. Our Android application is a chat service different from the others. It focuses on members of a chat being able to keep track of their friends’ locations, from within the chat. The application also offers the option to press an SOS button which would then send the user’s current location to the chat that they’re currently in. The app would also remind you to drink water, as it is specifically made for nights where you might not remember what happened the next morning. Also we hope to be able to implement the following functionality, for the app to send the group you’re in a message saying you got home. However, we think this is complex and so far, we’re not sure we’ll be able to successfully implement it.

1. **Accomplishments and overall project status during this increment**

We were able to get the login and register to work to add users and update the database. We were able to display the users of the application and also have single private chats between users. We have implemented being able to log out. We have also implemented a map which displays the user’s location and updates this information to the database. The most challenging but awesome accomplishment was that we were able to figure out how to retrieve data from the database and display it to the application. We had hoped to get the group chat implementation and viewing other’s location done by now but some challenges set us back from our goals.

1. **Challenges, changes in the plan and scope of the project and things that went wrong during this increment**

The challenges we faced during this increment was that the code was crashing consistently so we had to start over from scratch. We also tried to implement React but it ran into complications with navigation and interacting with the rest of the application in the intended fashion. Additionally, aspects had to be achieved in sequential order making it difficult to divide up the work. We also had trouble many times with Android Studio crashing and having to restart the laptop for it to work. Maps also appear to work on some devices and not others. Our biggest challenge was able to retrieve data from the database to display in the application.

1. **Team Member Contribution for this increment**

* Andres: Worked on debugging database, profile section and display, and helped with chat
* Raymond: Set up database, set up User Authentication with Firebase, Set up MapsActivity to send user location data to Firebase.
* Liz: Worked on retrieving and sending data from firebase to display users. Also worked on creating chats between single users as well as displaying the chats when retrieving and sending it to the database
* Leylanni: Researched ways to list the different group chats within the app, tried two different methods but neither worked. Helped in the discussion of figuring out how to access database information. Also did the textual description of the use cases.
* Felipe: Helped setting up the infrastructure of our project, set up the use case diagrams as well as the class, and sequence diagrams. Discussed different options with teammates to achieve our goals, i.e. different approaches to accessing database information.
  1. For the progress report, Leylanni helped with putting the video together. The rest of the group went through each section and discussed together what should be inputted to every section of the progress report.
  2. For the requirements and design document, Leylanni worked on the textual description for the use cases, Felipe worked on the diagrams, and the rest of the group & Felipe worked on writing up the rest of the sections and discussing them together.
  3. For the implementation and testing of the document, Andres, Liz, and Raymond worked on testing their implementation of the application as they were coding. We did manual testing on what is implemented.
  4. For the source code, Andres worked on the profile and helped Liz with the chat link to the database. Liz worked on implementing the chat and users and getting this to be displayed in the application. Raymond worked on the login and maps, and getting this to update and be retrieved from and to the database.
  5. For the video and presentation, Liz helped write up a bullet point script of what to say with the help of Andres, Felipe, and Raymond. We all presented, and Leylanni worked on putting the videos together.

1. **Plans for the next increment**

For the next increment, we plan on being able to create a group chat, have finished notifications for messages and reminders, be able to display other group members location, be able to track user location even when application is closed, implement the SOS button that notifies others of an emergency, and be able to upload and change profile pictures.

1. **Link to video**

Paste here the link to your video (only for increment 1 and 2).