**Progress Report**

**- Increment 1 -**

**Group #21**

# Team Members

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1. **Project Title and Description**

Drunk Mode is a user location sharing chat app that promotes the safety of nightlife activities by providing the user with an environment that allows them to see where their friends are and chat with them all in one place.

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

In this increment we were able to provide a functioning GPS location for a single user of the app, a version of the database that provides partial functionality, and a basic UI that does not yet interact with these aspects.

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

Google Maps API working appropriately. Obtains, updates, and displays current user location properly. Next Increment should be able to obtain and display the location of multiple users with ease. The tutorial used for learning how to use the Google Map API did not update the user location properly when first implemented. Initially would set user location to Latitude and Longitude 0.0. Went to Android developers training section on location to learn how to properly update user location. Another challenge faced was inexperience with Android Studio, a lot of time was spent just learning about Android Studio and its capabilities, along the way there were plenty of confusing moments that made it difficult to create what has been delivered. Moving forward, being much more familiar with Android Studio (and version control systems) and clearer about what is to be accomplished, the process should be streamlined. We also plan on using React in later versions to provide a better UI. Working on the database involved a lot of learning about system permissions and how to allow the system to add new users by email and phone numbers. We had to design a version control interface to test if the database and registration was working fine, this will be later merged with what our teammates do for the main app. The option to allow the user to join the app by using their phone number is still under work since it provoked some complications. We also focused on the development of the chat application, from the design to giving the option of the users to sign up graphically. The users appear in Firebase in auth, but in database the data does not appear, we had problems because the data is not being fed into the real time, there were difficulties since the versions clashed when we tried to integrate it to Android Studio. Some aspects were more successful than others, but learning what we have, we can move forward faster and with a plan that will lead us to having a fully functioning detailed app.

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

Raymond Chen:

* Progress Report: Contributed to sections "Accomplishments and overall project status during this increment" and "Challenges" specifically regarding the use of the Google Maps API
* Requirements Document: No specific contribution
* IT Document: Contributed to section "Execution-based Functional Testing" regarding the testing of the Google Maps API
* Source Code: Contributed to all files pertaining to GPS API by obtaining API key and implementing all related code to provide functionality
* Video: Thoroughly and accurately participated in the video by not only presenting his completed work thus far, but by assisting in filming and setup greatly

Leylanni Quijano-Shafer:

* Progress Report: Contributed to/wrote all sections unless otherwise specified
* Requirements Document: Contributed to/wrote all sections unless otherwise specified
* IT Document: Contributed to/wrote all sections unless otherwise specified
* Source Code: Contributed to the UI files that will serve as baseline for project
* Video: Thoroughly and accurately participated in the video by presenting completed work thus far and helping film the video itself (reserved filming location)

Felipe Bergano:

* Progress Report: Contributed to all sections with information regarding specifics of work completed on the database
* Requirements Document: Contributed to all sections
* IT Document: No specific contribution
* Source Code: Contributed to the UI files that will serve as baseline for project
* Video: Thoroughly and accurately participated in the video by presenting completed work thus far and editing the clips

Liz Parra:

* Progress Report: Contributed to all sections with information regarding specifics of work completed on the database
* Requirements Document: Contributed to all sections
* IT Document: No specific contribution
* Source Code: Contributed to all files pertaining to database
* Video: Thoroughly and accurately participated in the video by presenting completed work thus far

Andres Paz Vicca:

* Progress Report: Contributed to all sections with information regarding specifics of work completed on the database
* Requirements Document: Contributed to all sections
* IT Document: No specific contribution
* Source Code: Contributed to all files pertaining to database
* Video: Thoroughly and accurately participated in the video by presenting completed work thus far

1. **Plans for the next increment**

In the next increment, we plan to have a functional and secure user information database, fully functioning chatroom, real ability to show multiple user locations, and an app user interface designed with React for a more visually appealing app. We will develop the chat interface, allow the database to connect to the chat and give the admin user the option to add and remove other users from the chat

additionally we will adapt the database to remove chats after a certain period of time indicated by the admin

1. **Link to video**

<https://www.youtube.com/watch?v=ukfpqQc2qO0&t=2s>