Team Number: 12-02

Team name: Shenanagizers

Team Members:

- Ethan Iddings
- Ellina Kim
- Jerry Li
- Tai Polanowski
- Anish Timalsina

Application Name: Buff Avalanche

Application Description:

An Avalanche Center Website is an online platform that provides users with critical information on avalanche conditions and forecasts. This project allows users to access current field data, submit their own reports, and access other users' reports. The website features a user-friendly interface, highlighting recent reports and providing a map to visualize forecasted areas.

Vision Statement:

Buff Avalanche is an app that seeks to empower every individual accessing Buffalo Mountain with the knowledge and information they need to make safe choices, and from this, we hope to eliminate fatalities on Buffalo Mountain.

Version Control:

https://github.com/jli2003/gob

Development Methodology:

https://github.com/users/jli2003/projects/3

Communication Plan:

We mainly use Discord to communicate but also have a text group chat. Anytime we are actively collaborating we are using Discord to do so. To answer high-level questions or get the attention of the group immediately we use the text group chat. Beyond that, we escalate to Discord for the purpose of group calls and screen sharing as well as sending lengthy questions that lack urgency.
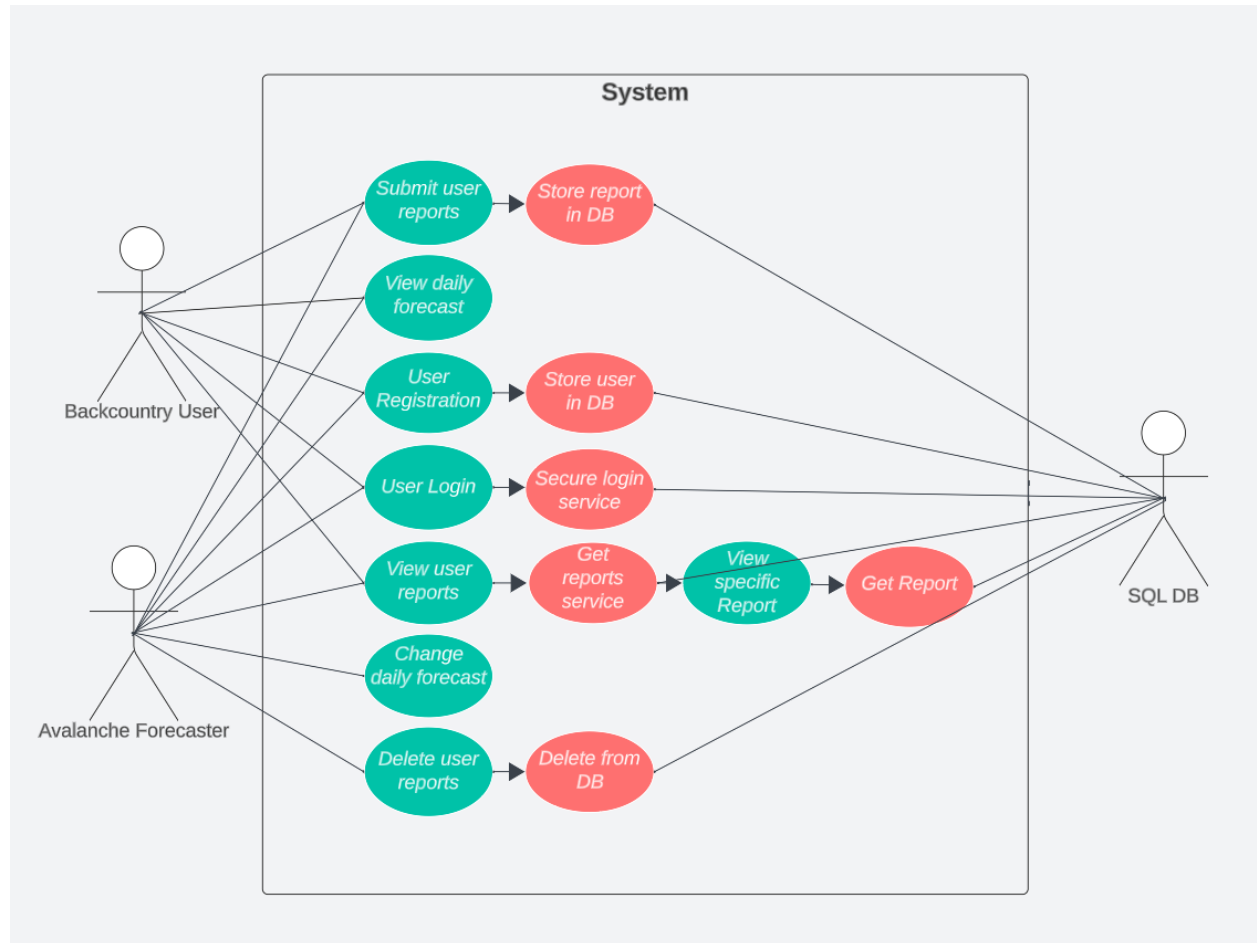
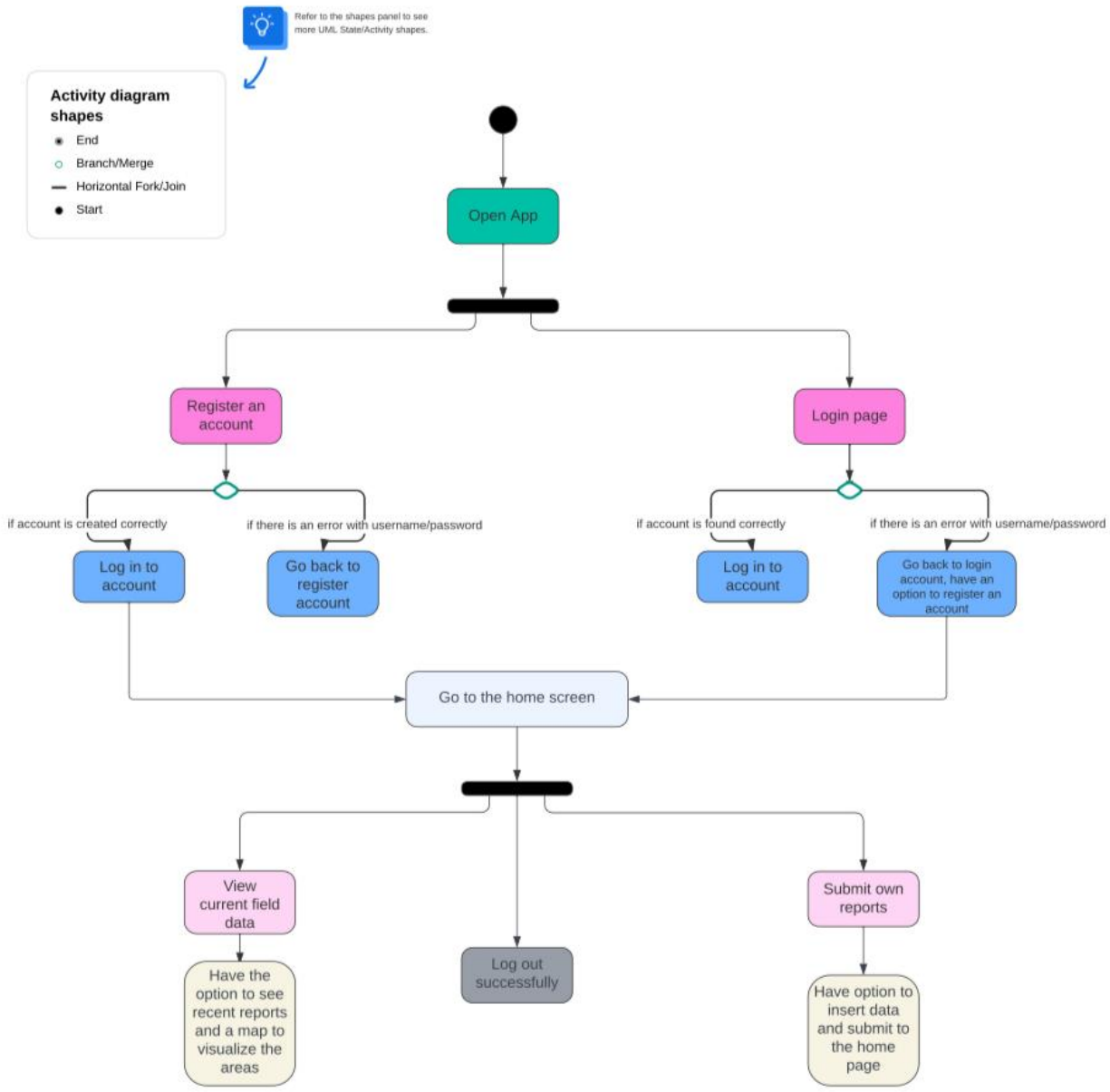**Meeting Plan:**

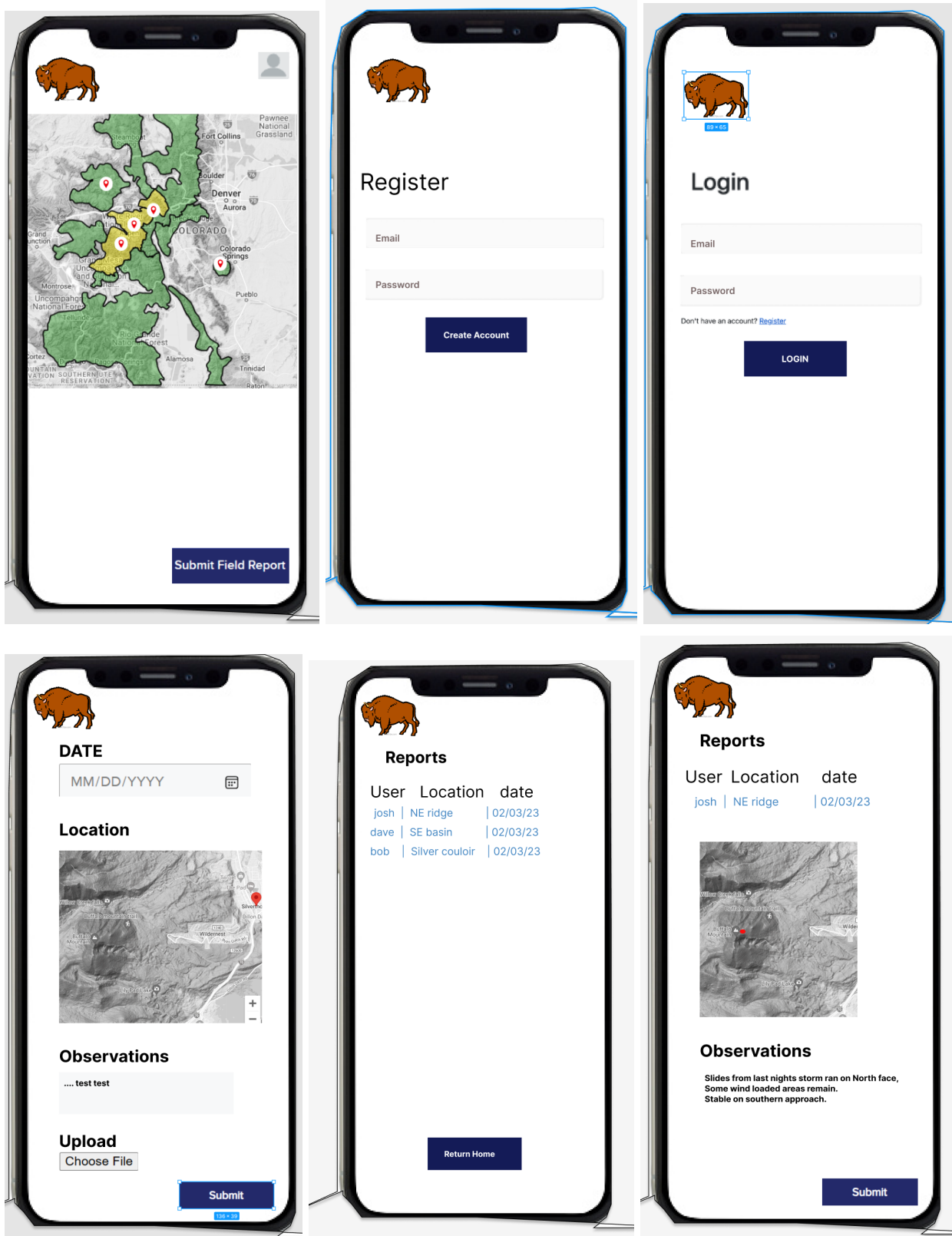*Discord "Lounge" room*
Team Meeting: MWF: Evenings
Zoom
Weekly Ta Meeting: Friday: 4:15

Use Case Diagram (workflow diagram after):

Activity diagram shapes

- ⦿ End
- ○ Branch/Merge
- — Horizontal Fork/Join
- ● Start

Open App

Register an account

Login page

if account is created correctly

if there is an error with username/password

if account is found correctly

if there is an error with username/password

Log in to account

Go back to register account

Log in to account

Go back to login account, have an option to register an account

Go to the home screen

View current field data

Log out successfully

Submit own reports

Have the option to see recent reports and a map to visualize the areas

Have option to insert data and submit to the home page

Wireframes:

Data Model: