

Avalanche Center Website



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01: What is the Avalanche Center?

The Avalanche Center Website is an online platform designed to provide users with critical information on avalanche conditions and forecasts. This project offers users the ability to access current field data, submit their own reports, and access members-only content. The website features a user-friendly interface, highlighting recent reports and providing a map to visualize forecasted areas.

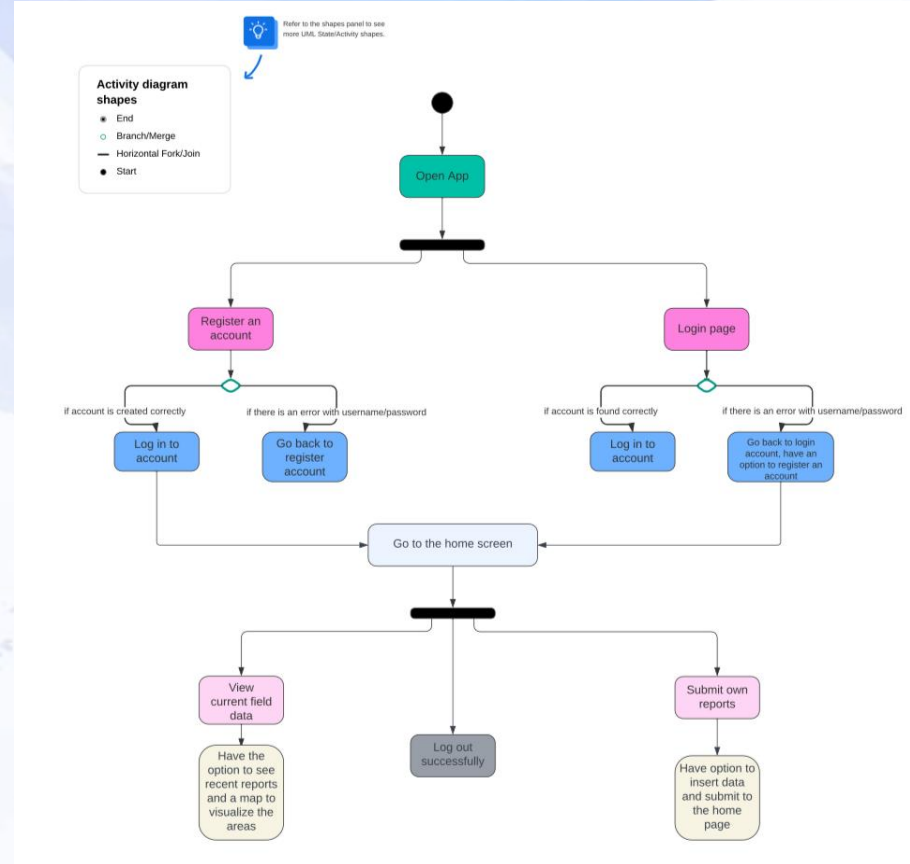
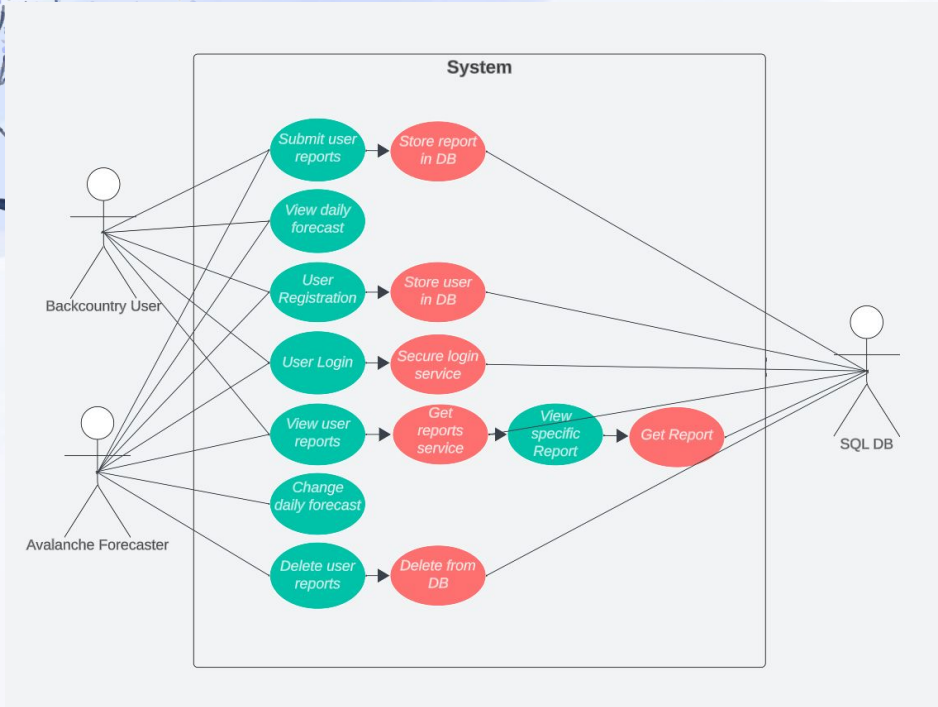


02: What tools did we use?

The tools we used for this project were:

- HTML, EJS, Bootstrap 4/5
- Chai and Mocha 5/5
- SQL, PostgreSQL 3/5
- Docker 2/5
- Github Projects Board 4/5
- Discord 5/5
- VSCode 5/5
- Deployment on Azure 2/5

03: Architecture Diagram



Our history

Homepage

Consists of a map to visualize forecasted areas & details

Admin Controls

The admin is able to update the home page and change users to admin

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Register/Login

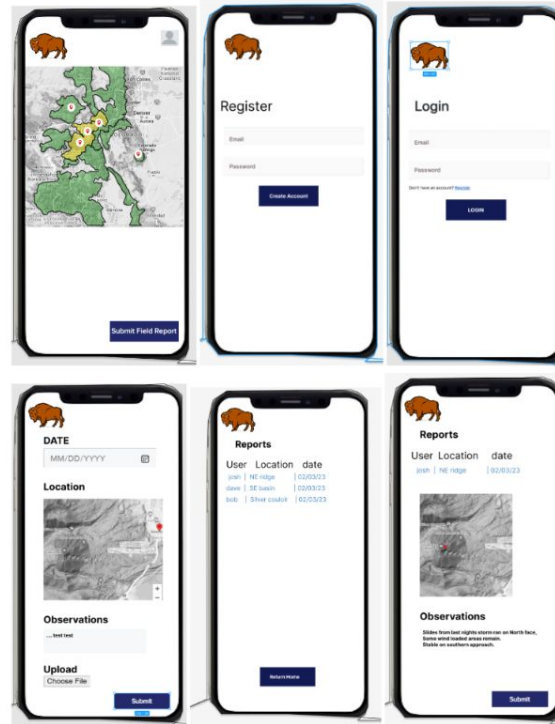
Create an account and login

Reports

The user is able to submit their own avalanche reports as well as look at others

Wireframes

Wireframes:



Register/Login

Avalanche Weather Report

Login

Username



admin

Password

.....

Login

Don't have an account already?

Register



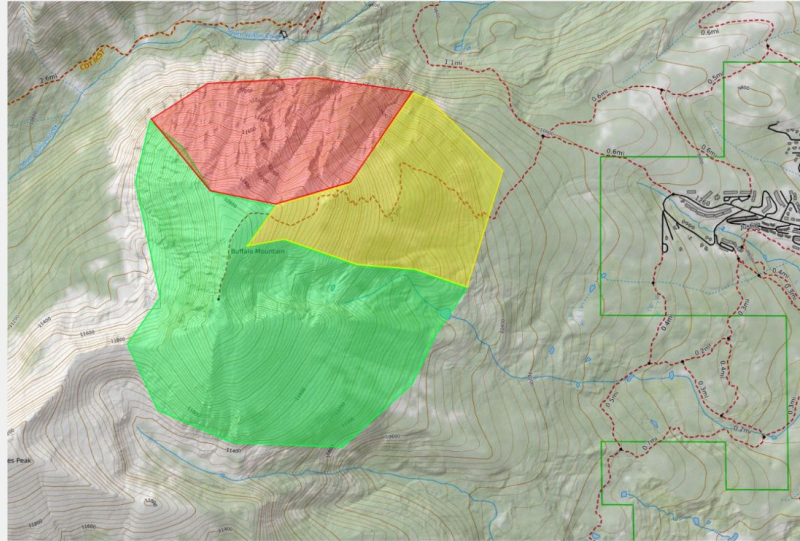
Homepage

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Avalanche Conditions & Forecasts



Danger Rating: High

Avy Problem: Wind Slab / Persistent Slab

Synopsis: N aspect highly reactive with persistent slabs that have been wind loaded, NE moderate, the safest slopes are the thin S-W.

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Reports

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Avalanche Reports Page

Add Report

Observations:

Date:

Image URL(optional):

Location(optional):

Cancel

Submit

Current Reports

Report ID: 1051 User: shrek1 :



Observations: its green

Date: Wed Dec 06 2023 22:16:57 GMT+0000 (Coordinated Universal Time)

Location: my swamp

Report ID: 1052 User: shrek2 :



Admin Controls

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Admin Controls

Update Home Page

Image Path:

Danger Rating:

Avalanche Type:

Synopsis:

Update Home Page

Change User to Admin

Username:

Change to Admin

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04: Challenges

We faced a lot of challenges, such as:

- Having trouble getting register & delete cases to pass
- Having issues with docker.
- Having problems with getting the register and login to work
- Having issues with some repos not working properly with teammates & working for others

Demo!

<http://recitation-012-team-02.eastus.cloudapp.azure.com:3000/home>

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