Avalanche Center Website

Group:
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Tai Polanowski
Ethan Iddings
Ellina Kim
Jerry Li

- Tag your repo with "Final Submission" (make sure to push your tag to your repo) before your presentation. You can use that for the demo. https://docs.github.com/en/repositories/releasing-projects-on-github/managing-releases-in-a-repository

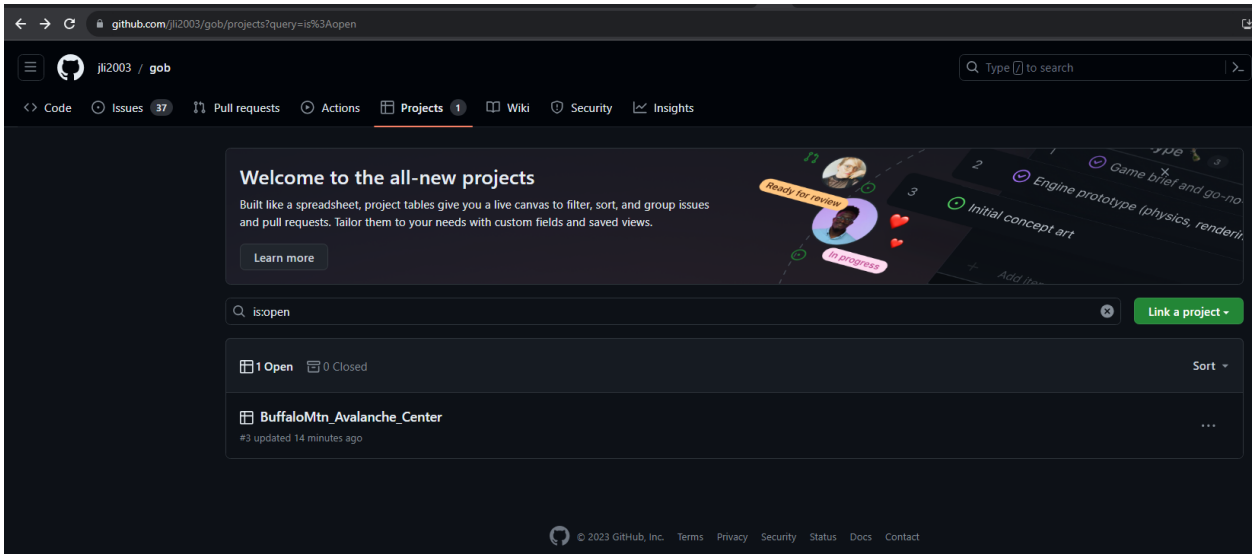
Summary:

The Avalanche Center Website serves as a vital online resource, delivering essential information regarding avalanche conditions and forecasts. The platform offers up-to-date field data, making it so that users can stay informed and make informed decisions. The website's user-friendly interface makes for a smooth experience, displaying recent reports and a hand-drawn map made by our professional for visualizing the forecasted areas.

One of the key functionalities of this app is for users to submit their own field reports, fostering a collaborative community for critical avalanche-related insights. This aspect enhances the platform's dynamic nature, making it a valuable hub for both consuming and contributing information on avalanches.

The website has no exclusive members-only content, so any users can get the information that they want but we also give free access to more in-depth knowledge and analysis made by our professionals. By combining accessibility and interactivity, the Avalanche Center Website stands as a comprehensive platform dedicated to promoting avalanche awareness, safety, and community involvement in navigating challenging terrains.

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



Video:
https://cuboulder.zoom.us/rec/share/2PKg6FMlwbiAhD1tZsB2FW3idj47uDXF4nCQIdU_bHQCdFYuT7AuCUzLJvQeHTzU.BhHbBMDOtE7fwgSI?startTime=1702323699000

VSC:

Git Repository: https://github.com/jli2003/gob

Contributions:

Anish Timalsina: Mostly helped with the miscellaneous stuff such as creating the file structure, working on the backend to help with test cases, making pdfs and login authentication. Created pages such as the reports and deployed the project onto the cloud.

Tai Polanowski :

Worked primarily on code. Set up the initial files structure, made sure docker, mocha and the local server ran. Set up login and register pages along with initial few test cases but didn't style the pages at all. Helped set up all the partials. Created all of the “edit user” implementation backend and front end. Helped with databases and inserts, did backend for reports page and added reports. Helped fix random code lines all over, sometimes bugs and sometimes just minor styling changes.

Ethan Iddings:

Served largely as a project manager making design and process decisions for the team. Developed the resources that aid in planning (figma models, use case diagram, ERD). As the project progressed and the material preparation slowed down I became the primary developer for the home page and admin services.

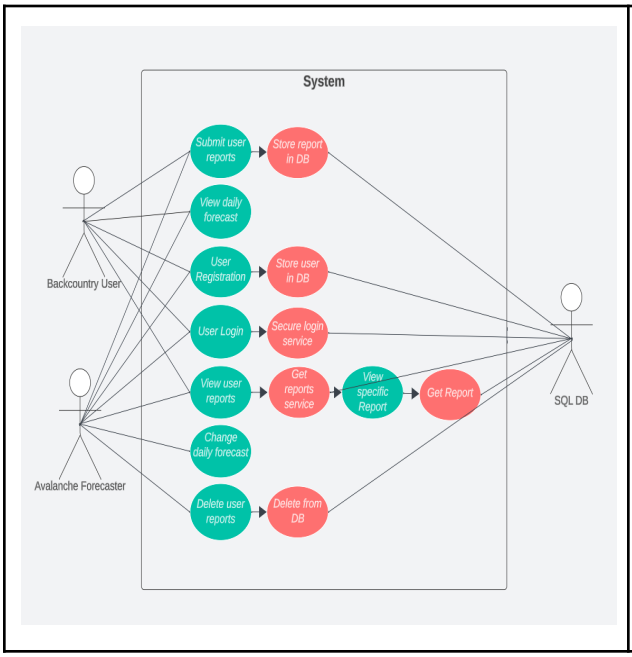
Ellina Kim:

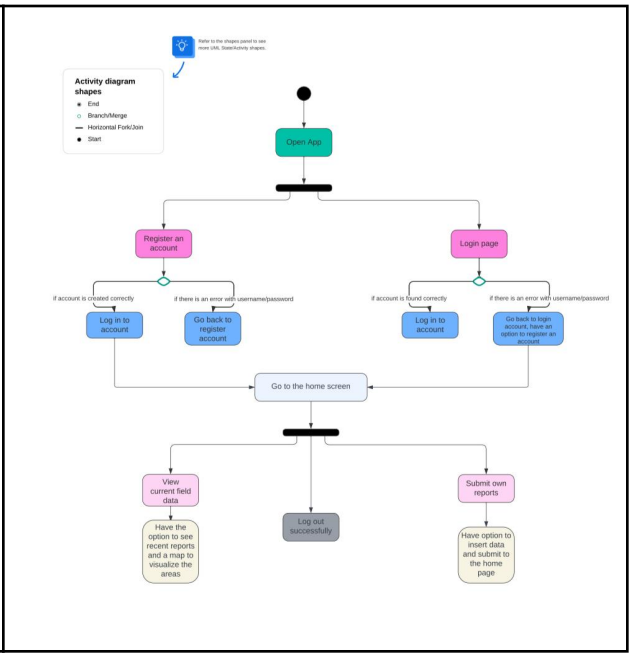
Worked with frontend. Set up all the ejs files with html and scripts for some items such as the user profile. Made sure that all of the pages were connected to endpoints with the group before proceeding. Edited all pages consistently so that they fit the theme of our app.

Jerry Li:

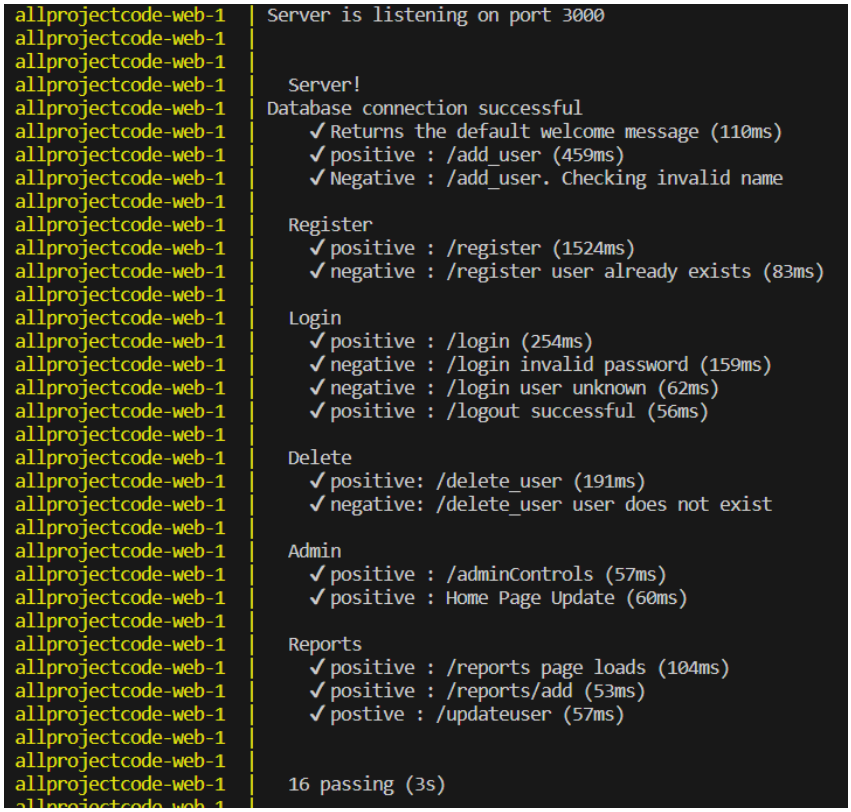
- Worked with backend, mostly with the endpoints and test cases.

Use Case Diagram:



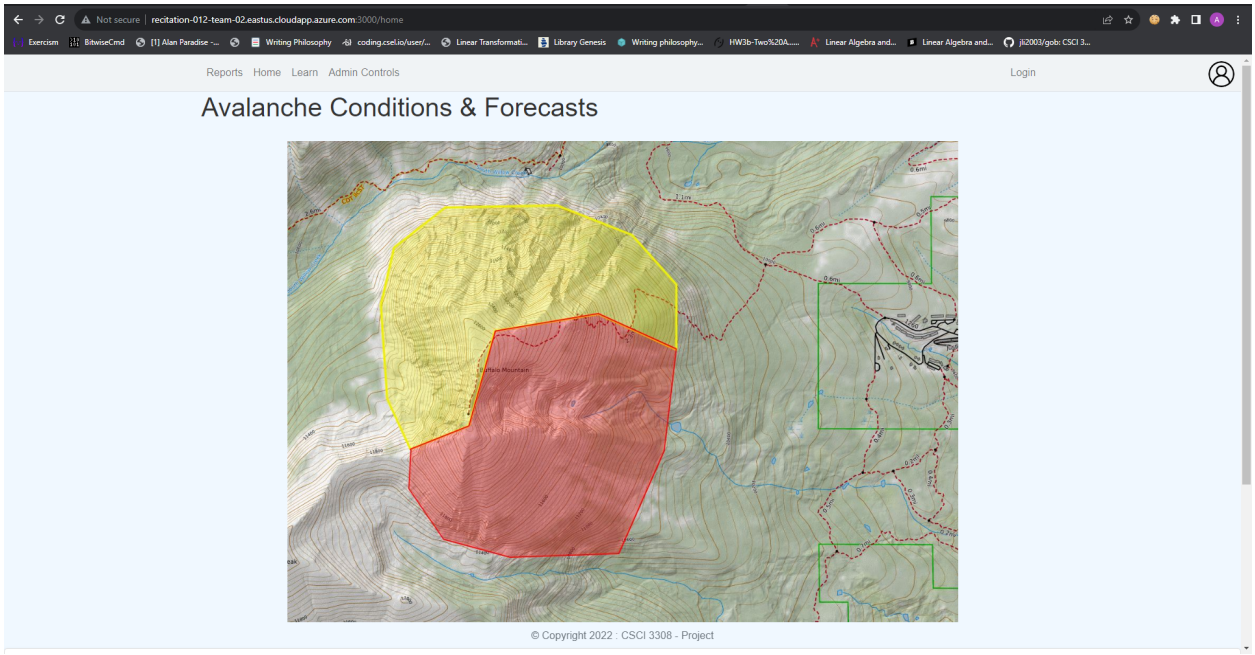


Test Results:



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

The app was deployed using Microsoft Azure, one can access the app using the link above. This link will only work for a month due to using the free version of azure but one can still run the app using a local host and the instructions for that is in the readme.txt on our github page.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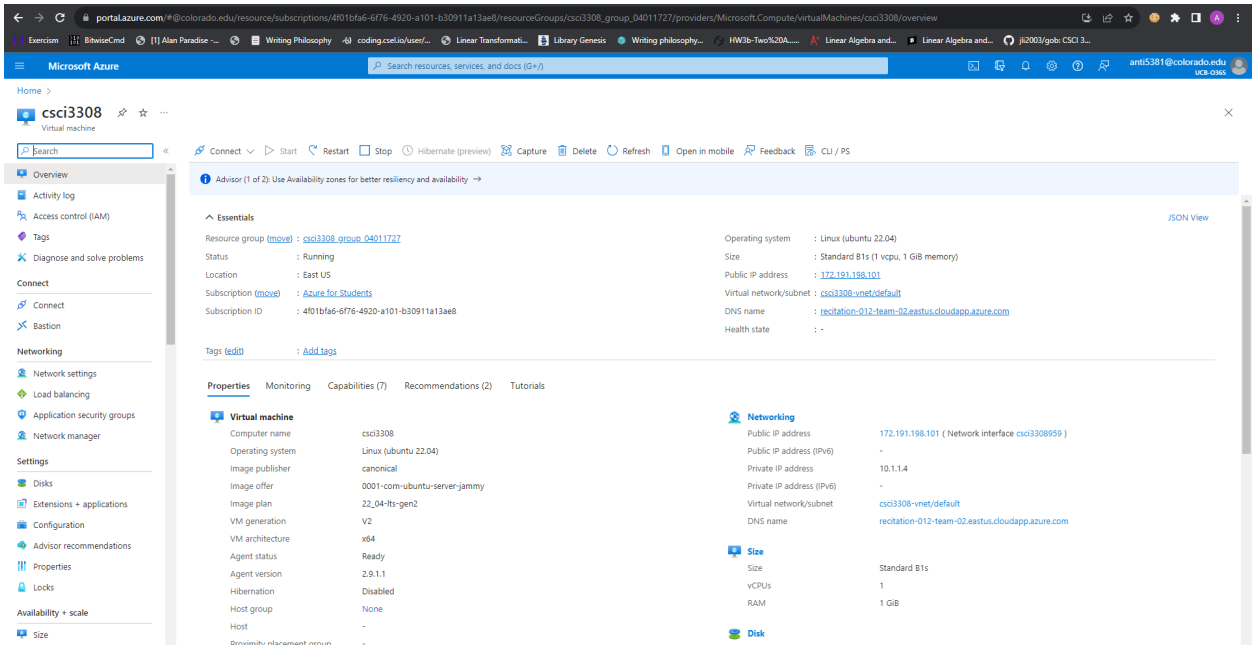
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Microsoft Azure
Search resources, services, and docs (G+/)
anti5381@colorado.edu
UCB-O365
Home
csci3308
Virtual machine
Search
Overview
Activity log
Access control (IAM)
Tags
Diagnose and solve problems
Connect
Connect
Bastion
Networking
Network settings
Load balancing
Application security groups
Network manager
Settings
Disks
Extensions + applications
Configuration
Advisor recommendations
Properties
Locks
Availability + scale
Size
Connect
Start
Restart
Stop
Hibernate (preview)
Capture
Delete
Refresh
Open in mobile
Feedback
CLI / PS
Advisor (1 of 2): Use Availability zones for better resiliency and availability
Essentials
JSON View
Resource group (move) : csci3308_group_04011727
Status : Running
Location : East US
Subscription (move) : Azure for Students
Subscription ID : 4f01bfa6-6f76-4920-a101-b30911a13ae8
Tags (edit) : Add tags
Operating system : Linux (ubuntu 22.04)
Size : Standard B1s (1 vcpu, 1 GiB memory)
Public IP address : 172.191.198.101
Virtual network/subnet : csci3308-vnet/default
DNS name : recitation-012-team-02.eastus.cloudapp.azure.com
Health state : -
Properties
Monitoring
Capabilities (7)
Recommendations (2)
Tutorials
Virtual machine
Computer name csci3308
Operating system Linux (ubuntu 22.04)
Image publisher canonical
Image offer 0001-com-ubuntu-server-jammy
Image plan 22_04-lts-gen2
VM generation V2
VM architecture x64
Agent status Ready
Agent version 2.9.1.1
Hibernation Disabled
Host group None
Host -
Networking
Public IP address 172.191.198.101 (Network interface csci3308959)
Public IP address (IPv6) -
Private IP address 10.1.1.4
Private IP address (IPv6) -
Virtual network/subnet csci3308-vnet/default
DNS name recitation-012-team-02.eastus.cloudapp.azure.com
Size
Size Standard B1s
vCPUs 1
RAM 1 GiB
Disk