Title: GeoLock

Members:

Owen Arnold
Even Laukli
Kyle Neff
Nolan Annis
Yefan Wang

Description:

Our project, GeoLock, is a social app that encourages users to explore and share their experience of locations and areas around them. Users are able to search up possible locations they are interested in and see other user's comments. In addition if they visit the location then they are able to comment on it. Once registered and logged in, users will be able to like, dislike, and favorite comments they find interesting and can find the posts they have liked and favorited on their profile page.

In order to successfully execute this project we used numerous tools such as Google Maps API, postgreSQL, XML HTTP, and more. We used Google Maps API to verify the location of a user so they can successfully add a comment to the location they were at. In addition it allows us to display a polygon on our webpage that shows the perimeter of locations. To handle the backend of our project we needed some with good scalability to handle the amount of comments we could possibly have. We used postgreSQL to handle all our tables such as locations, users, and comments. Also, we used XML HTTP requests for handling likes, dislikes, and favorites without having to reload the page each time.

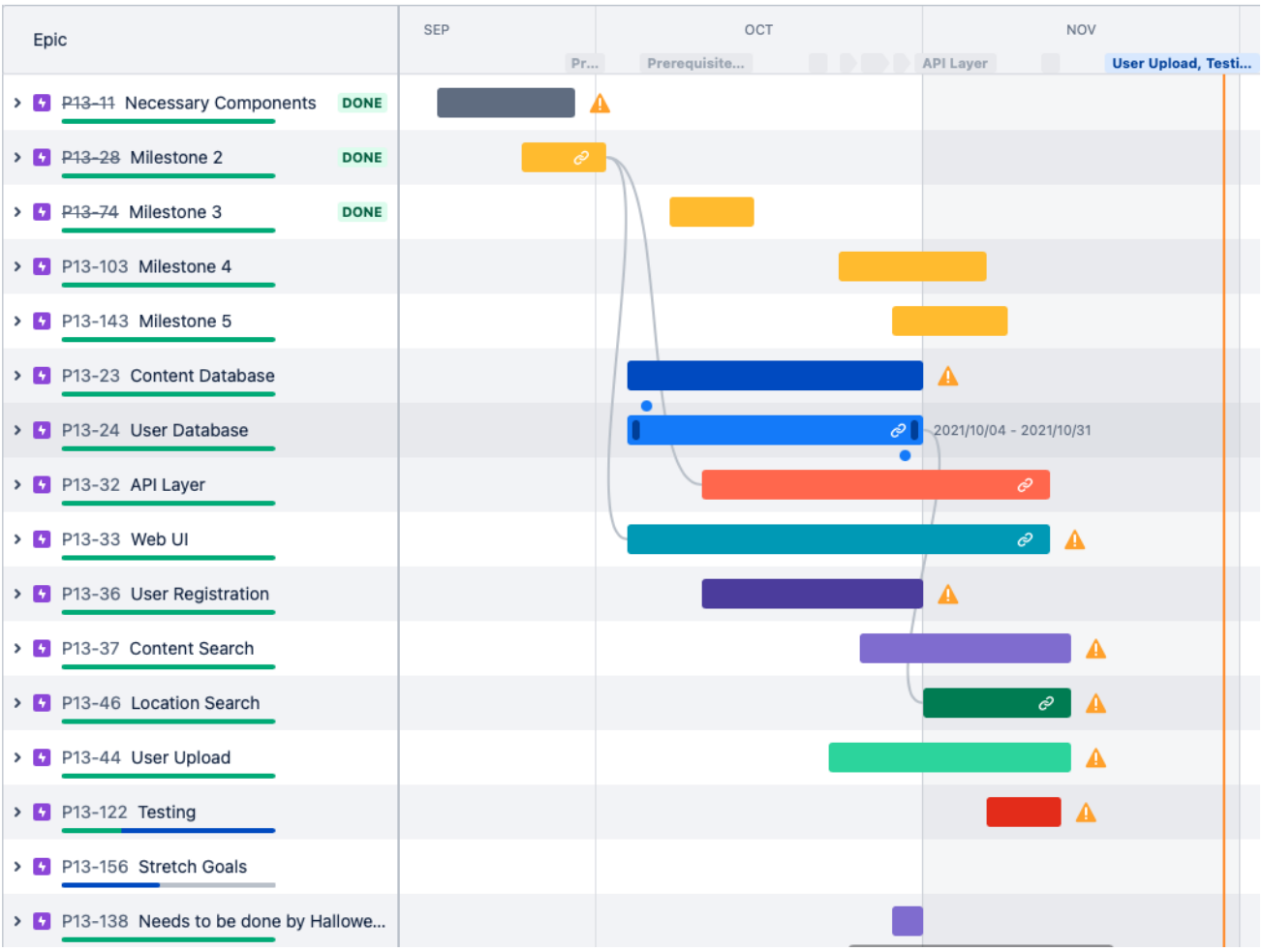
Video Demo:

Live Site Walkthrough
Mobile Demo

VCS: Github Link

Project Tracking:

Jira
Scrum meeting note document

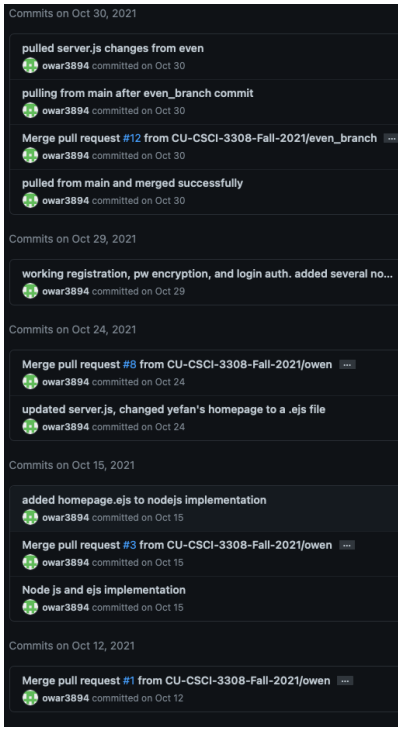


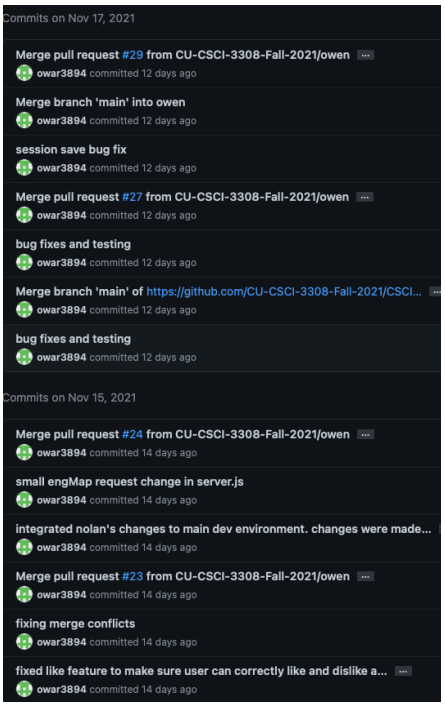
Contributions:

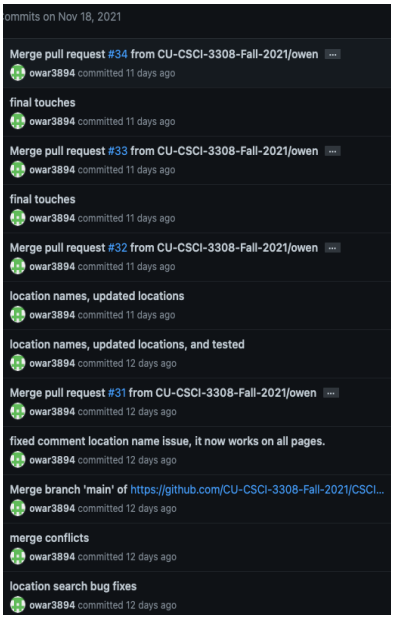
Owen Arnold:

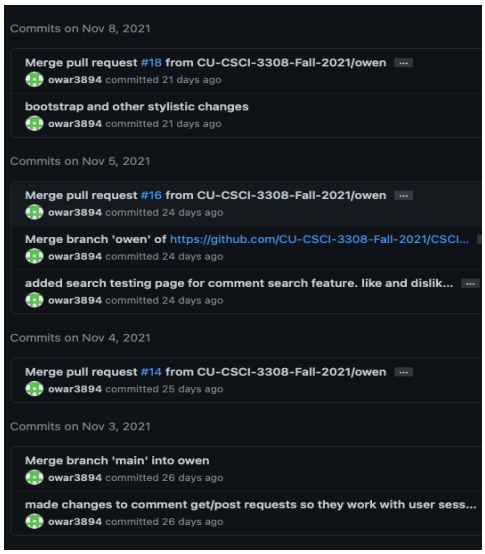
I was responsible for the user registration, login authentication, the likes/dislikes feature, added like/dislike/favorites badges that updated without reloading, made the user profile pages, improved the search function for comments, and assisted Kyle with the favorites feature. I also spent a lot of time on front end styling and making a user-friendly UI. I did a lot of testing and other QA prior to the heroku deployment, and also managed our Jira board throughout development. The technologies I used were npm (bcrypt, express, flash), NodeJS, XML/HTTP, EJS, SQL and more. Also added test cases for our server requests.

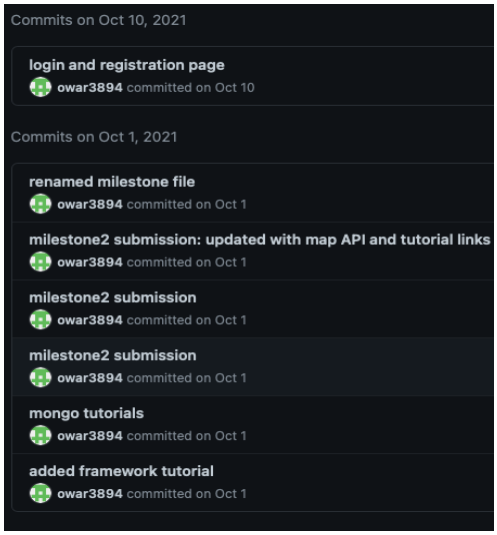
Below are Owen's commits:



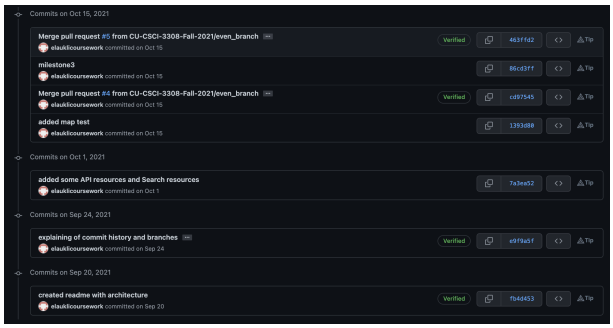


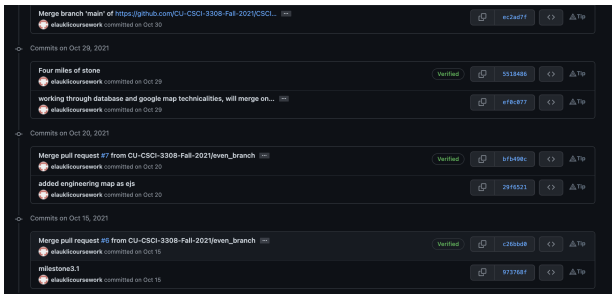


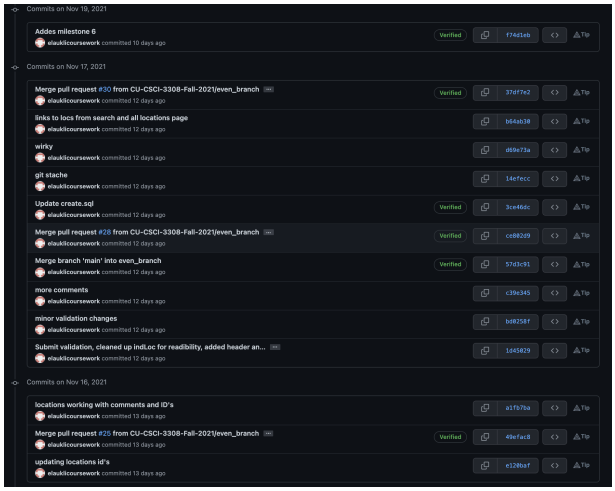


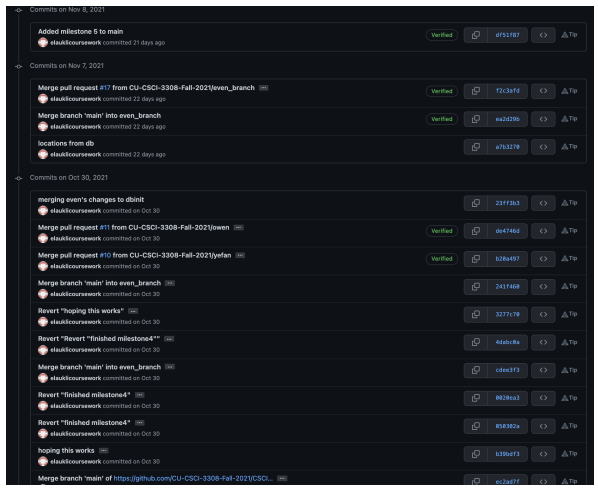


Even Laukli:
For this project I handled the main functionality behind accessing and using the google maps API. I implemented the location validation feature and the database of locations for drawing geofences and storing information about locations. I also helped debug user validation and made sure that the comments feature on worked when a user was at the location specified. I helped test cases for scalable testing. Tech: Google Maps API, Node.JS/npm, postgreSQL, Docker, EJS, Javascript

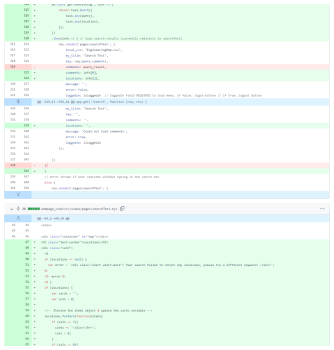


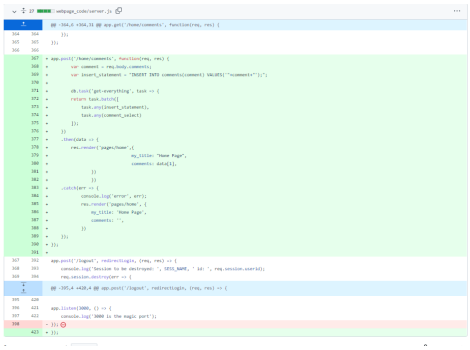


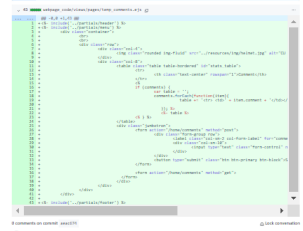


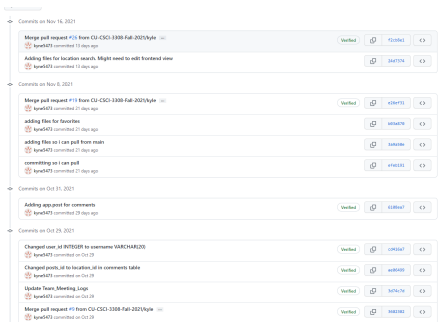


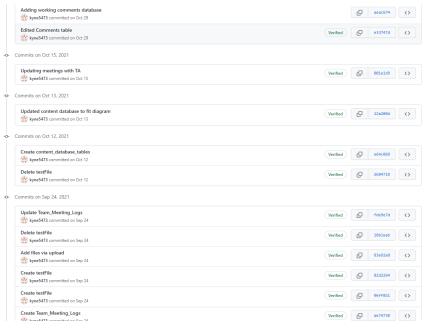
Kyle Neff: During the project I worked mainly on the backend. I made it so people can submit comments which then get entered into the database and can be seen on our webpage. I did both the get and post requests and created a frontend table that displays comments. Also I did the backend for location searching and I started working on user favorites but that was later finished by Owen.











Nolan Annis: During this project I jumped around and worked on, or helped out with a number of different parts. I helped create the initial user database and deployed the site using Heroku. After the Heroku site was deployed I managed it and kept it updated. Towards the end of the project I helped debug various issues with the rest of the group. The technologies I used include Heroku, PostgreSQL, and Github. Due to some issues I ran into with github I have multiple branches, and Owen had to help me merge some commits to the main branch:

main

Commits on Nov 17, 2021

Merge branch 'main' of https://github.com/CU-CSCI-3308-Fall-2021/CSCI... — noan9277 committed 12 days ago — 769e521

adding locations to db — noan9277 committed 12 days ago — b9722b0

Commits on Nov 5, 2021

Merge branch 'main' of https://github.com/CU-CSCI-3308-Fall-2021/CSCI... — noan9277 committed 24 days ago — d1e068b

adding some locations to database — noan9277 committed 24 days ago — fec172d

Commits on Oct 14, 2021

User Database script — noan9277 committed on Oct 14 — Verified — 7a92962

milestone3 — elauklicoursework committed on Oct 15 — 86cd3ff

added homepage.ejs to nodejs implementation — owar3894 committed on Oct 15 — 63e4108

Merge pull request #4 from CU-CSCI-3308-Fall-2021/even_branch — elauklicoursework committed on Oct 15 — Verified — cd97545

Merge pull request #3 from CU-CSCI-3308-Fall-2021/owen — owar3894 committed on Oct 15 — Verified — 5292cd9

Node js and ejs implementation — owar3894 committed on Oct 15 — 9f0488e

Updating meetings with TA — kyne5473 committed on Oct 15 — Verified — 001e1d9

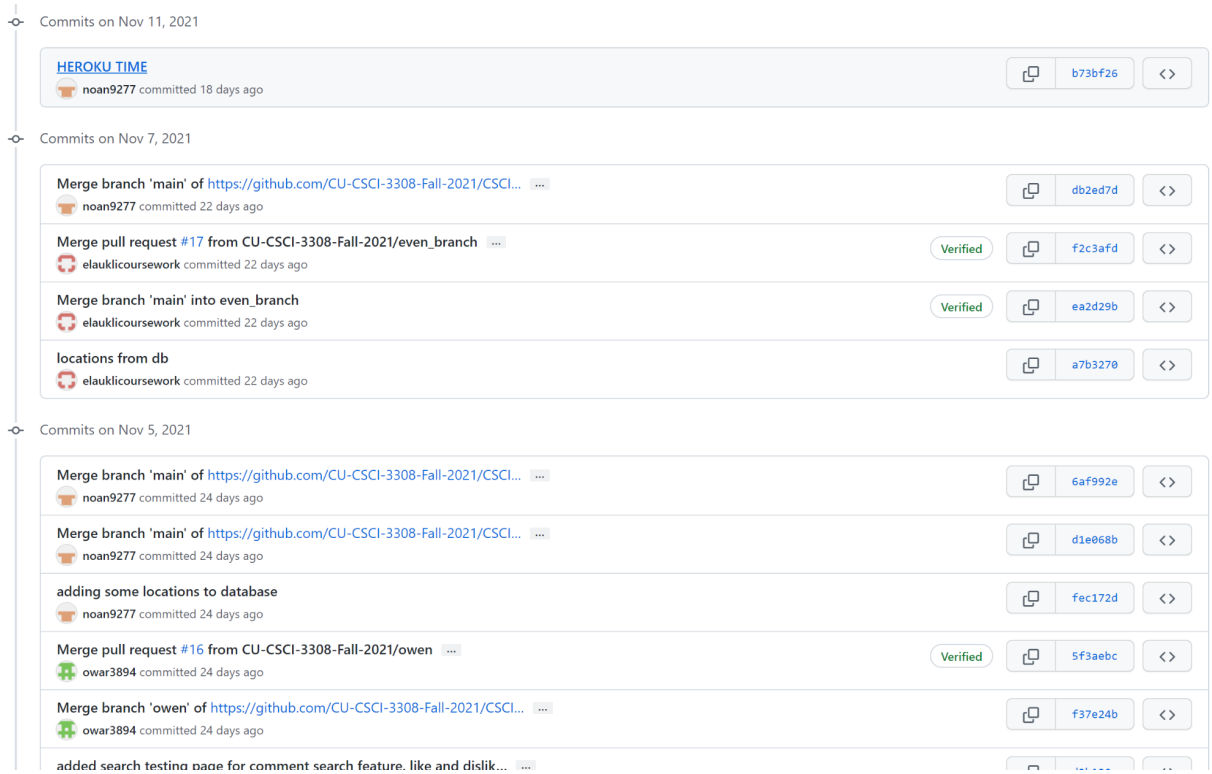
added map test — elauklicoursework committed on Oct 15 — 1393d80

Merge pull request #2 from CU-CSCI-3308-Fall-2021/yefan — YefanWang committed on Oct 15 — Verified — 80830df

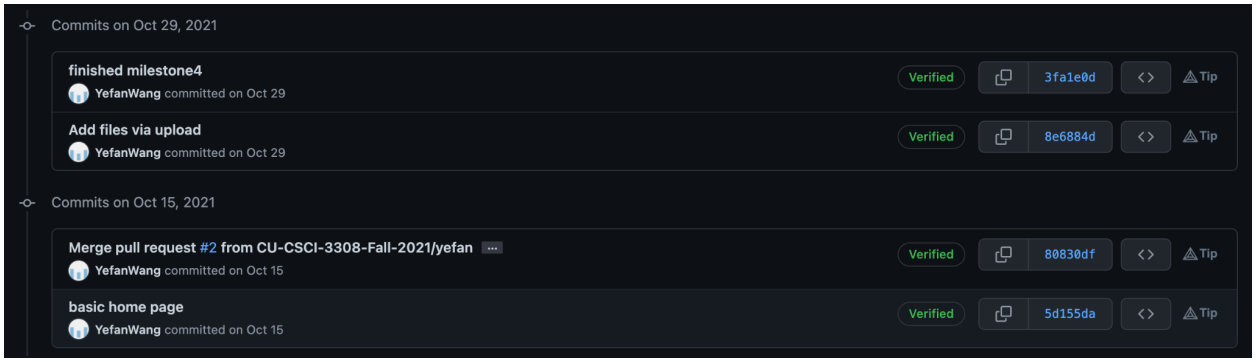
basic home page — YefanWang committed on Oct 15 — Verified — 5d155da

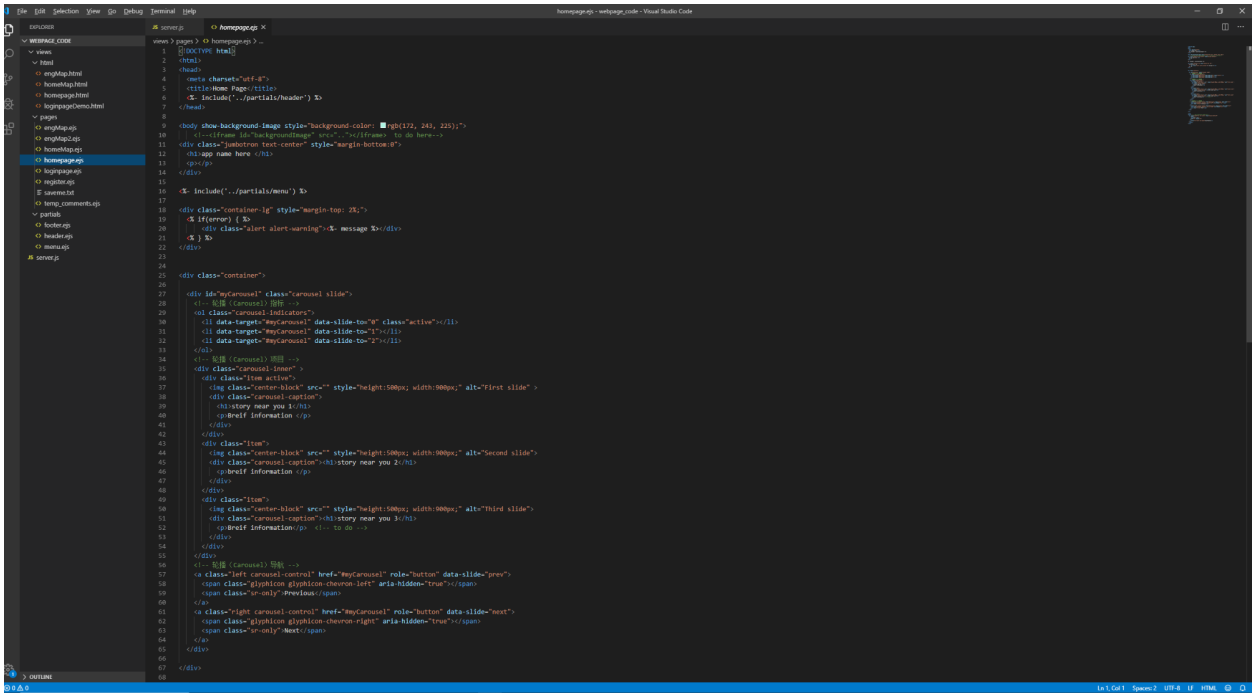
Commits on Oct 14, 2021

User Database script — noan9277 committed on Oct 14 — Verified — 7a92962



Yefan Wang:
Initial HTML/Bootstrap homepage and set front end framework/ui. Also wrote the comments search back end query and request. Other teammates help refine them and integrate the comments search part to the whole app. (here is original code i made)The technologies I used include html, nodejs. ejs, PostgreSQL, and Github





Deployment: GeoLock Live Site