CU Class Scheduler

Members:

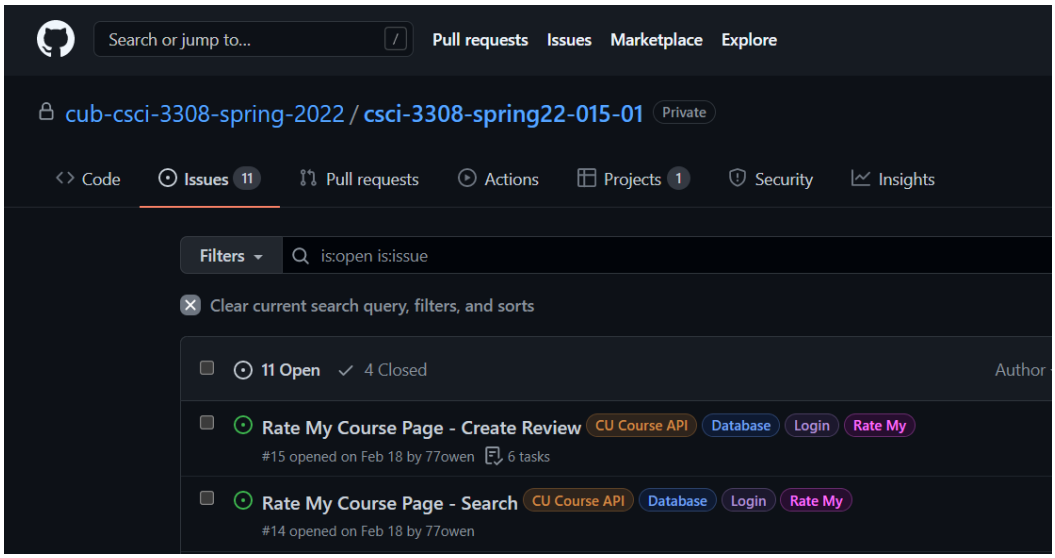
Tristan English
Gabe Fromme
Owen Billings
Greyson Hall
Solomon Bear

Project Description:

Currently, the class scheduler for CU requires students to manually select each lecture and recitation for the courses they want to enroll in. The process of not only selecting both but also making sure that none of the selected blocks overlap is tiresome and tedious. Our CU Class Scheduler web application helps students visually see class times on a schedule so it is easy to compare and contrast to alternate class and section choices. Using a scheduling algorithm and data from the CU API, once a user selects classes, all possibilities are displayed visually on a calendar for the user to select from. We have a cart system that is tied to the user's login and specifically tracks the classes they've selected. Additionally, we used our login lab to assist with our login page, but we had to make sure that the user was connected to our database to track a user's credentials (including their email, username, password, and name). Finally, we implemented a dark/light mode that persists between pages to create a more user-friendly experience.

Project Tracker:

https://github.com/cub-csci-3308-spring-2022/csci-3308-spring22-015-01/issues



discord

Video:
Three minute DemoVideo.mp4 video on github

VCS:
https://github.com/cub-csci-3308-spring-2022/csci-3308-spring22-015-01

Contributions:
Tristan English:
I mainly focused on the login page, from both the frontend and backend. I wrote the html, css, and javascript code to display the modal pages, as well as the get/post requests used to access the database. I also wrote the EJS code to display the username when logged in. On the server side, I was responsible for keeping track of the logged user, and wrote many of the other get/post requests to render the pages.

Gabe Fromme: Designed the navbar and integrated the home page, login page, and schedule page into one fluid site. Primarily focused on converting html pages to ejs pages, making the header page, creating css across the different pages to have fluid transitions, and making the dark mode feature persist across multiple pages with a combination of front and back end tools like ajax post requests and ejs templating.

Owen Billings: I mainly focused on the functionality and some of the design on the scheduling page. I wrote the javascript that handles the api requests to the CU Boulder class api, I set up the calendar display using the fullcalendar javascript library. Most of the js was written using Jquery and ajax for the api requests.

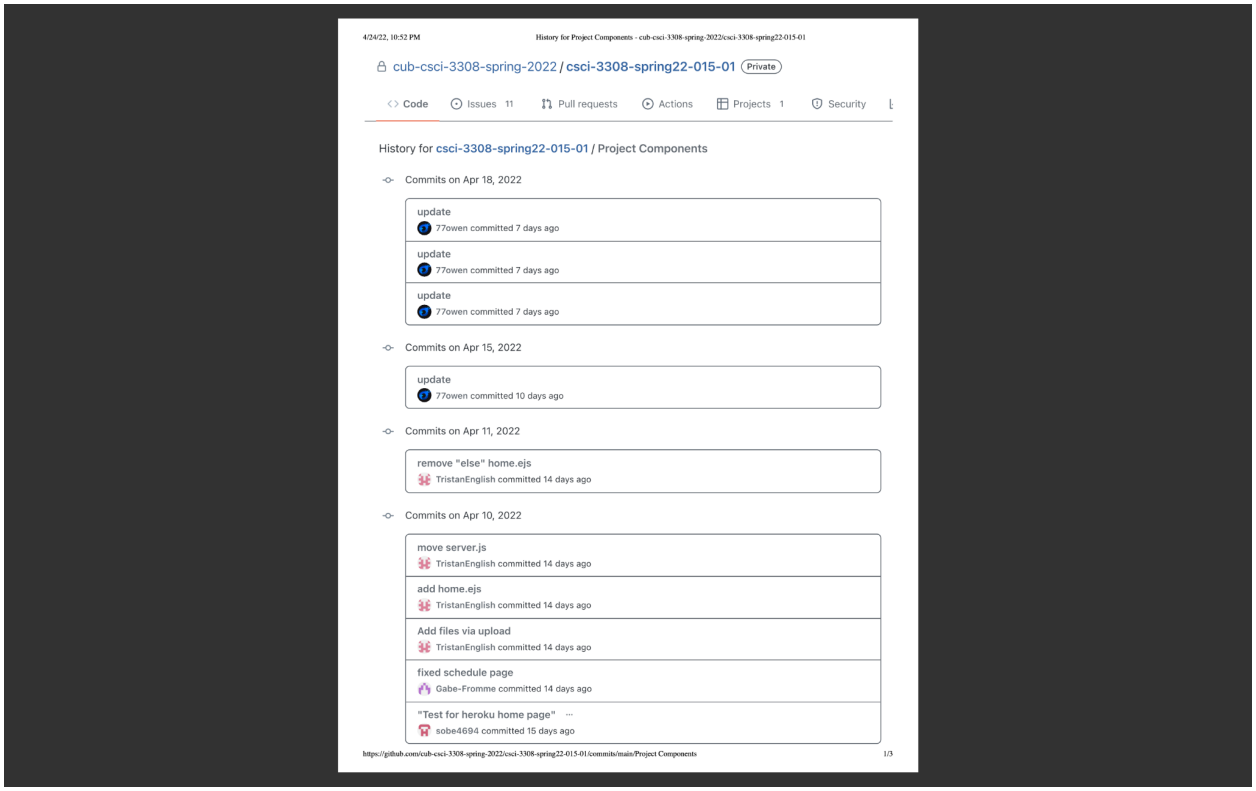
Greyson Hall: I created the light/dark mode used for the website and worked with Owen to create the scheduling algorithm and parse the JSON file from the CU API call to get specific information like days of the week, times of the day, and whether or not the section was a recitation or a lecture for each class. Worked as a glue guy to fix problems across the project, primarily with front end CSS and EJS (most of the commits with my changes were not made by me, as most of my code was sent over Discord and implemented from there).

Solomon Bear: Created, configured, and deployed the database using MySQL and then Postgres. Set up the directory to support the web application, required dependencies, and integrated different project components. Modified pages to include partial header ejs file for unanimous display. Wrote a couple get requests.

Deployment:
The app is deployed via heroku. Simply follow this link to run the app.
https://team0scheduler.herokuapp.com/

Commit History:
(please note that due to issues with pushing to heroku, the later stages of our project were deployed on this temporary repository:
https://github.com/sobe4694/Test

Additionally, due to issues with pushing to github, much of the code was shared via discord and pushed/compiled later)



Commits on Apr 6, 2022

Merge branch 'main' into Gabe
Gabe-Fromme committed 18 days ago

Commits on Apr 5, 2022

Base NodeJS for Database
sobe4694 committed 19 days ago

Commits on Mar 30, 2022

implemented navbar and dark mode on other pages
Gabe-Fromme committed 25 days ago

organized file system
Gabe-Fromme committed 25 days ago

updated home page to have dark mode
Gabe-Fromme committed 25 days ago

Commits on Mar 14, 2022

fixed links
Gabe-Fromme committed on Mar 14

Merge branch 'main' into Gabe
Gabe-Fromme committed on Mar 14

front page html file
Gabe-Fromme committed on Mar 14

Commits on Mar 13, 2022

Add files via upload
sobe4694 committed on Mar 13

MySQL build and partial queries
sobe4694 committed on Mar 13

Commits on Mar 10, 2022

Added Class Selection / Scheduling Page
77owen committed on Mar 10

Delete temp.txt
TristanEnglish committed on Mar 10

Add files via upload
TristanEnglish committed on Mar 10

Create temp.txt
TristanEnglish committed on Mar 10

Commits on Mar 7, 2022

rough skeleton
Gabe-Fromme committed on Mar 7

Commits on Feb 7, 2022

create folder for project code/components
TristanEnglish committed on Feb 7

Newer Older