Title: Boulder Nature Guides

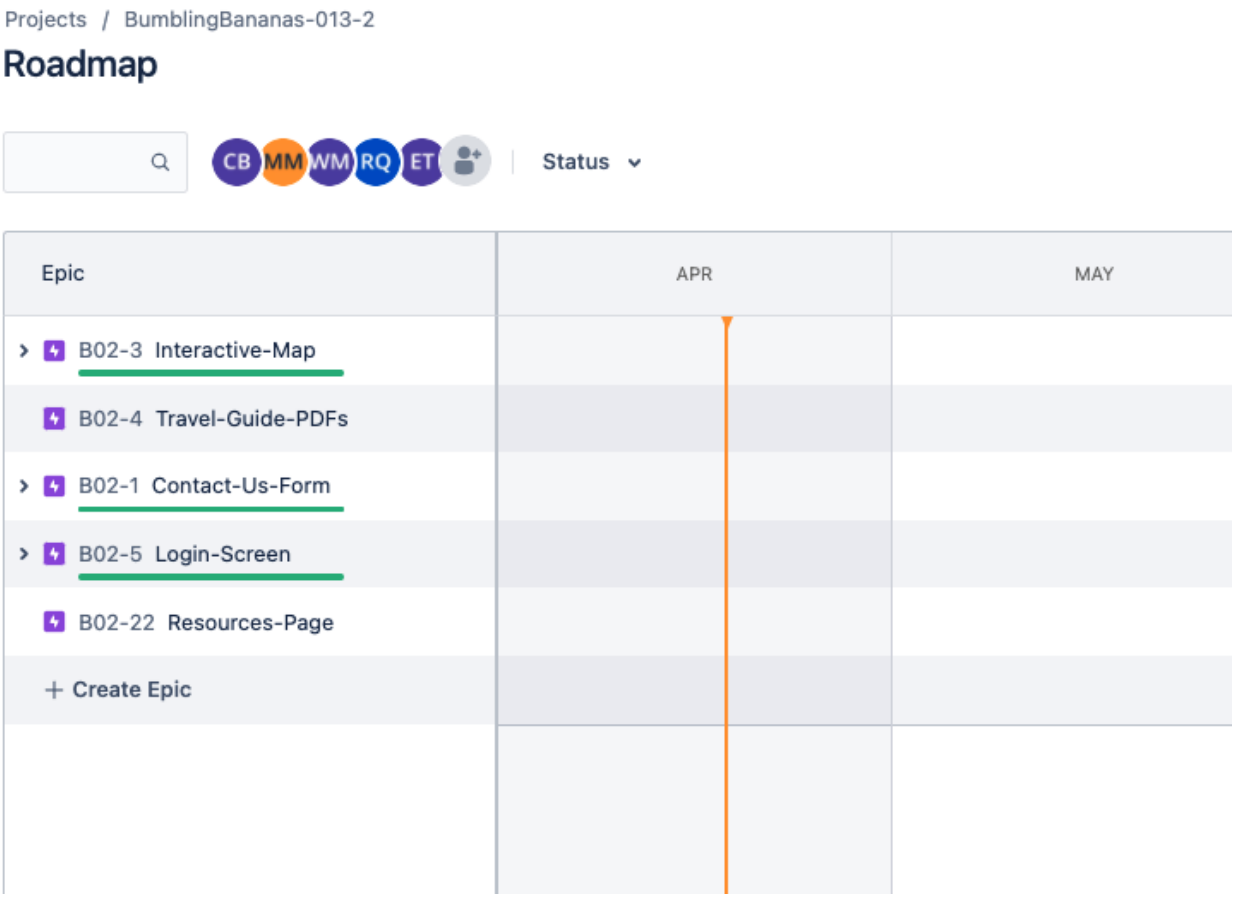
By Wayne Mak, Cal Brynestad, Ryan Quinlan, Ethan Thompson and Maigh Jammu.

Project Description:

The Boulder Nature Guides Website functions as a travel planner for users in Boulder. It contains hiking trails, and parks in an easy to navigate interactive map. The interactive map contains markers that when hovered over contains a picture of the location and information on the location, such as whether it has a restroom, requires a fee to enter, or allows for visitors to bring their dogs. If the user would like to gain more information on the park or trail they would like to visit, they may utilize the resources page. The resources page has links for every park that is featured on the map and allows for visitors to plan out their trip. Users can also log in with a username, email, and password to make a profile and connect with other hikers and park goers. The profile allows for the user to create bios for themselves describing who they are and what their hobbies might be. While there is no in-site chat feature, each user's email is easily accessible for further communication off-site. Users can not only find a beautiful new hike to try, they can also connect with other hikers and make new friends. There is a contact us page for users to contact us about the possibility of adding new locations to the map or for any other reason.

Project Tracker:

https://team-1611863854506.atlassian.net/jira/software/projects/B02/boards/1



Board is empty as we completed our final sprint and so user stories were removed by the software.

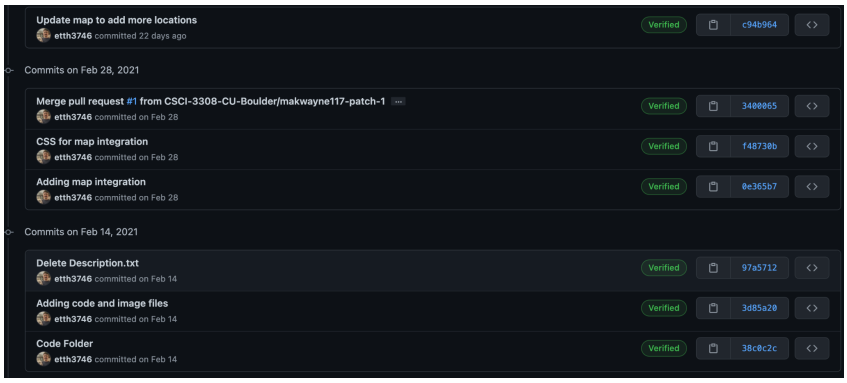
VCS:

https://github.com/CSCI-3308-CU-Boulder/3308SP21_section013_2

Refer to Milestone5 for test cases.

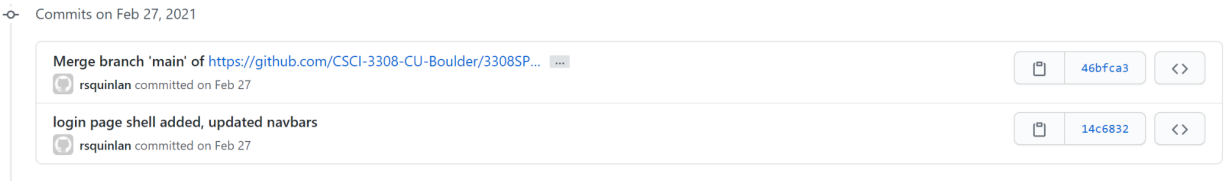
Contributions:

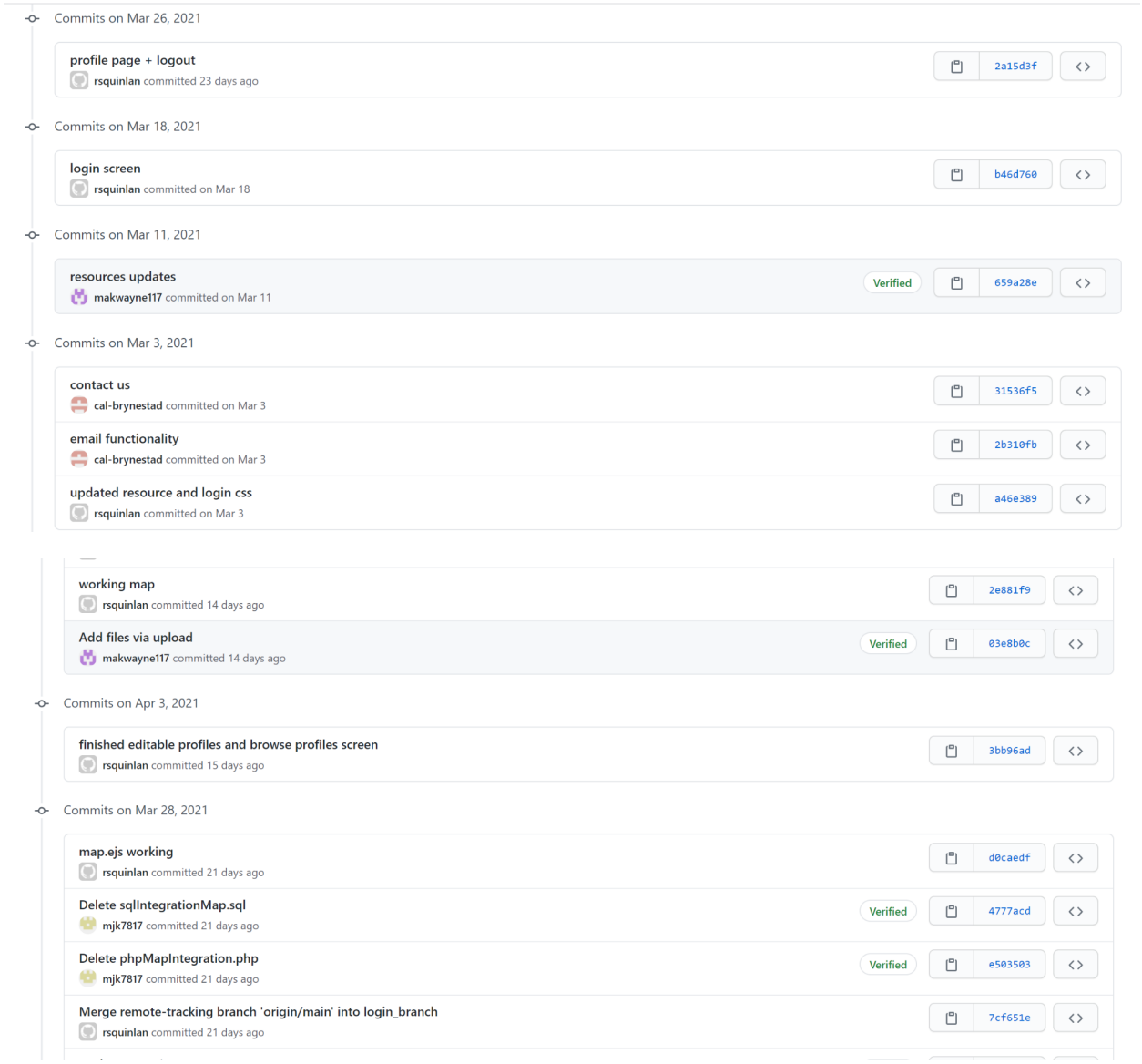
Ethan:



- Wrote the main front-end code for the website using mainly html and css
- Integrated leaflet map API as a map overlay for the html
- Helped write SQL queries for the locations to be added to the map

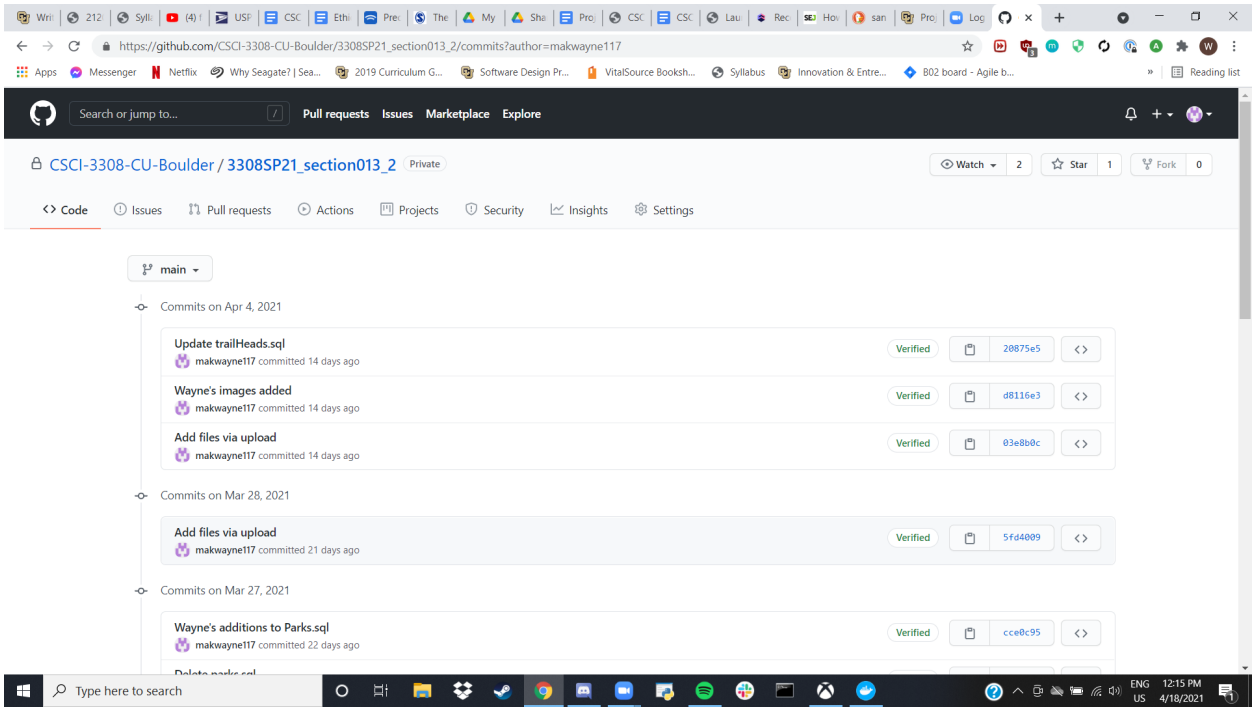
Ryan:





- completed login/registration/profile system using node.js, mysql, html, css, and javascript
- integrated map with database based on Ethan's template
- gathered all data used in map (trailheads and parks), put into spreadsheet

Wayne:


https://github.com/CSCI-3308-CU-Boulder/3308SP21_section013_2/commits?author=makwayne117
Search or jump to...
Pull requests
Issues
Marketplace
Explore
CSCI-3308-CU-Boulder / 3308SP21_section013_2
Private
Watch 2
Star 1
Fork 0
Code
Issues
Pull requests
Actions
Projects
Security
Insights
Settings
main
Commits on Apr 4, 2021
Update trailHeads.sql
makwayne117 committed 14 days ago
Verified
20875e5
Wayne's images added
makwayne117 committed 14 days ago
Verified
d8116e3
Add files via upload
makwayne117 committed 14 days ago
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Commits on Mar 28, 2021
Add files via upload
makwayne117 committed 21 days ago
Verified
5fd4009
Commits on Mar 27, 2021
Wayne's additions to Parks.sql
makwayne117 committed 22 days ago
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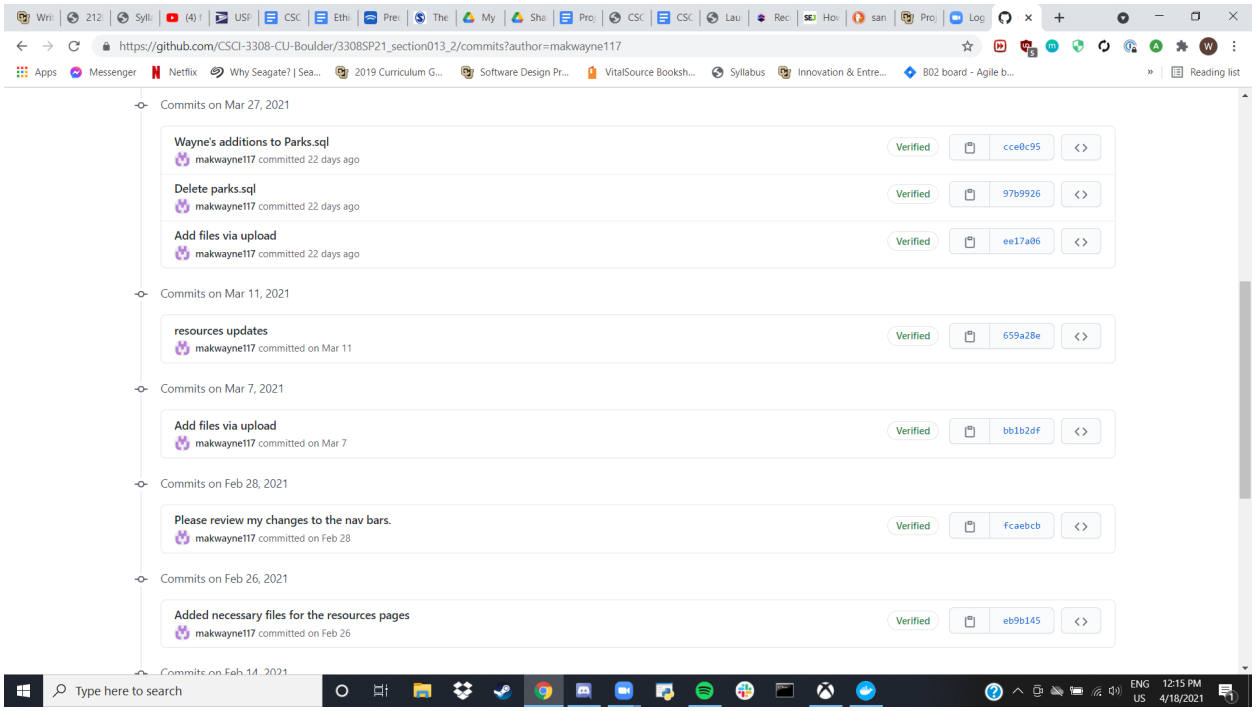
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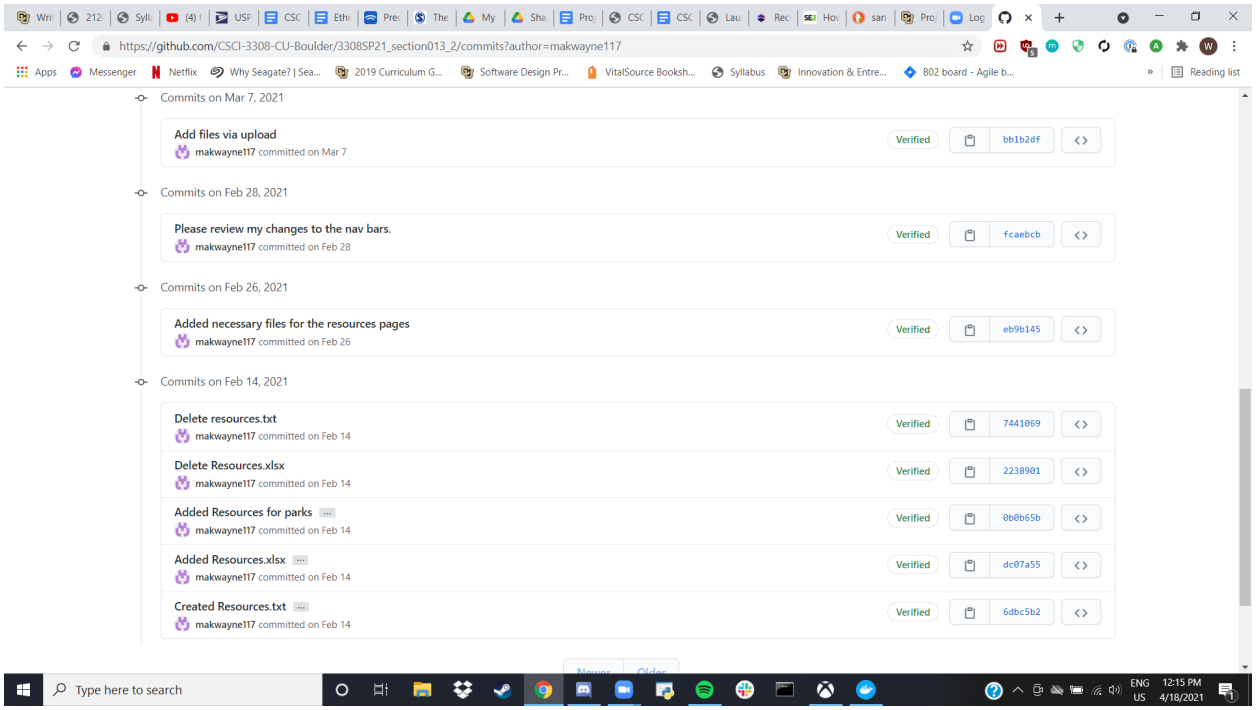
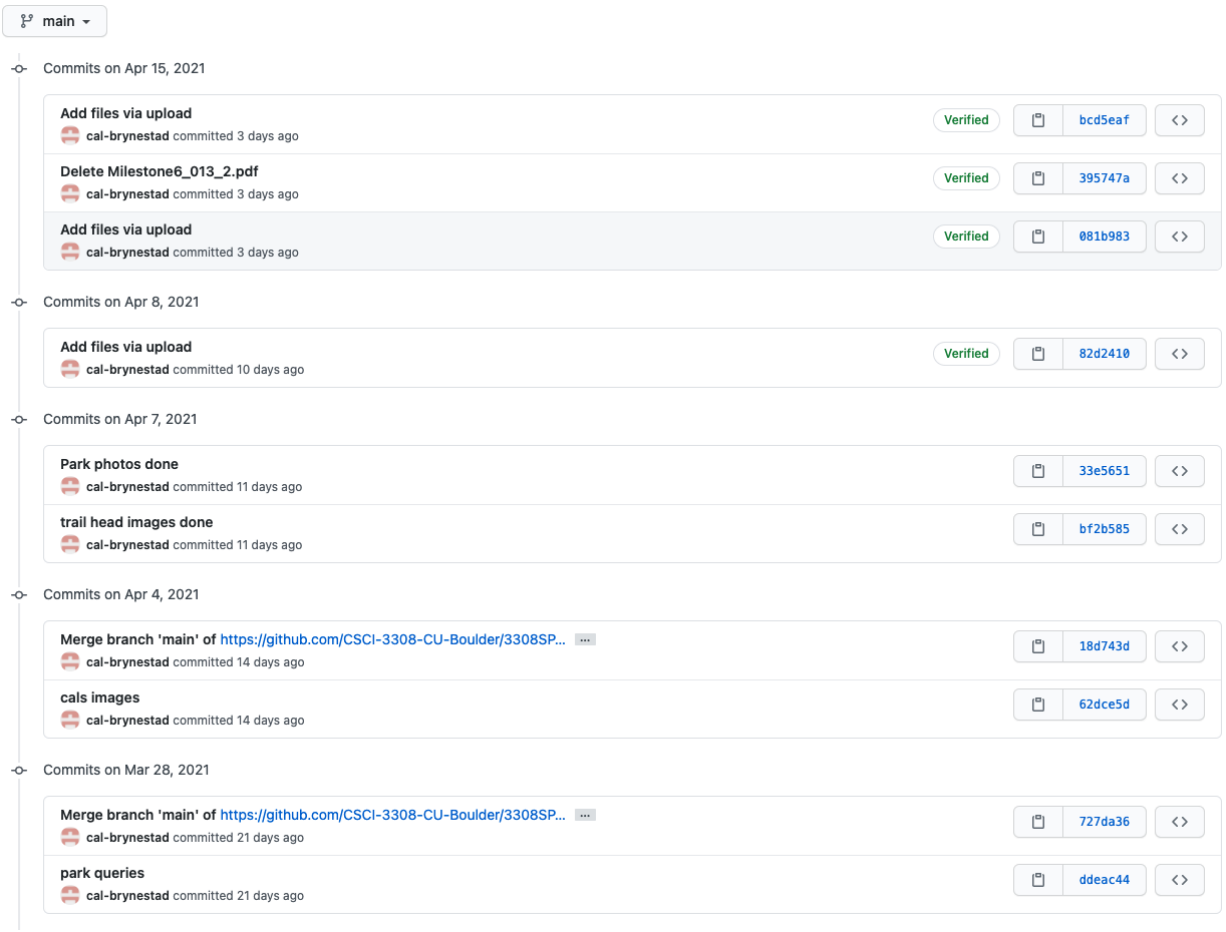


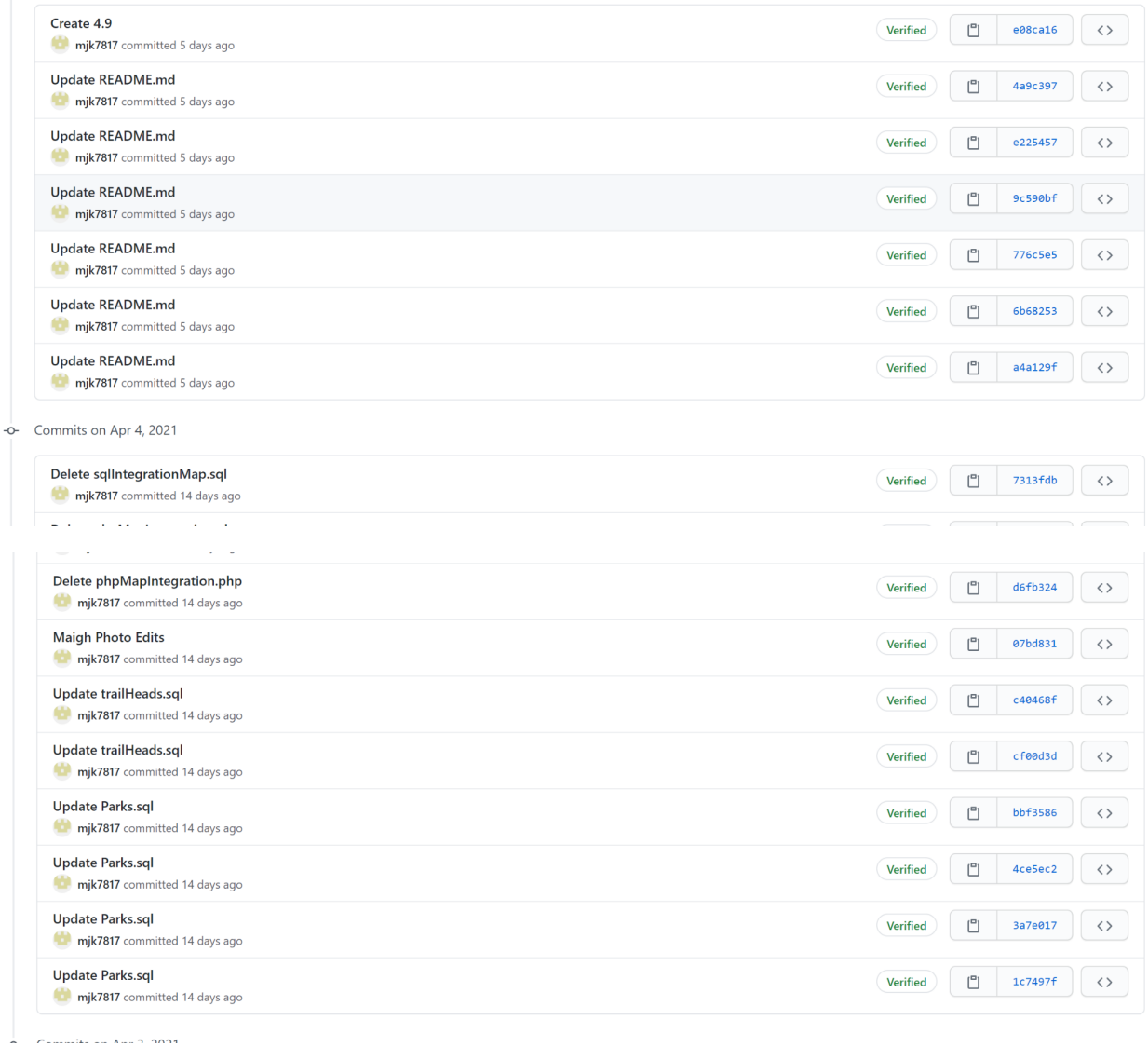
- Helped to build the SQL database of park and trailhead markers for the interactive map to display, as well as helping to build the information displayed showing what the park or trailhead features.
- Helped to build the resources page on our website that contains all the websites for the parks
- Made an attempt to integrate the park and trailhead markers with the leaflet API, in order to show those markers on the website's interactive map.

Cal:



- Front-end and back-end for contact us page and email functionality (HTML)
- Helped write SQL queries for the locations to be added to the map (SQL)

Maigh: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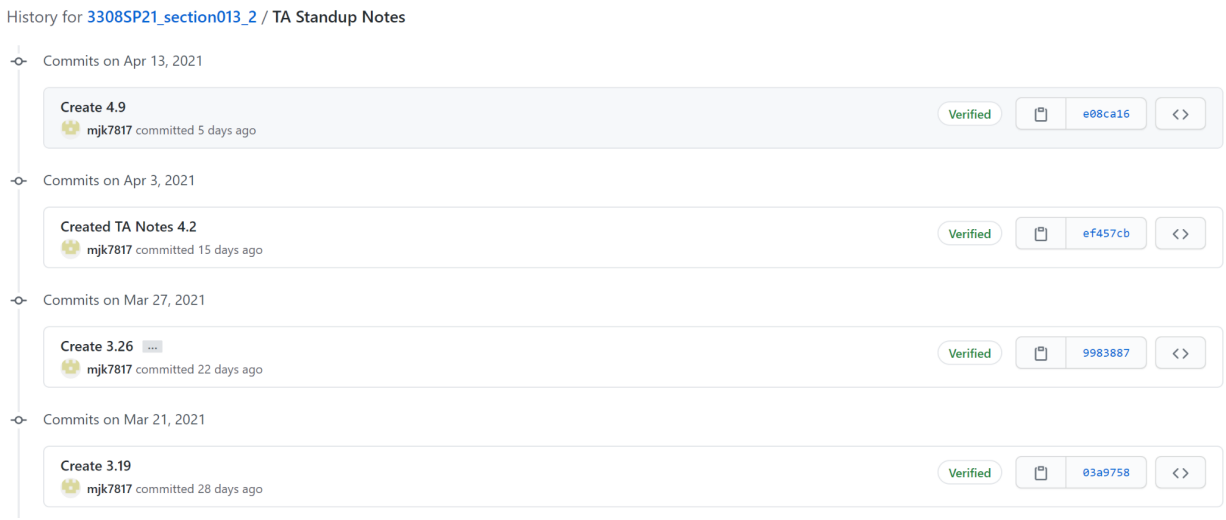

- map sql database components
- helped with map.ejs
- helped debug a lot of the code to get it onto heroku
- ta standup notes
- draft of day planner
- attempted heroku deployment (and creation of public repo)

Deployment:

https://boulder-nature-guides.herokuapp.com/

Here is the incomplete site deployed to heroku. We were unable to figure out the database integration with heroku, due to our more organized file structure. We attempted rewriting all database access into the same file but were left with a mess of bugs that we couldn't figure out in time. Each page renders properly, but the map does not load the locations and the login system doesn't work (both due to the database integration issues). It is highly recommended that the user follows the instructions on the readme (instructions below) for local hosting, as that is a much more complete version of the website.

To host the site locally:

1. Download the code and MapInfo folders from the repo
2. Download nodejs

3. Run "npm install bcryptjs connect-flash cookie-parser dotenv ejs express express-session jsonwebtoken mysql nodemon passport passport-local pg pg-promise" from terminal (in the code folder)
4. Download XAMPP (for hosting the database) from the following link: https://www.apachefriends.org/download.html
5. Open the XAMPP control panel and click start next to apache and mysql
6. Go to http://localhost/phpmyadmin/ and create a database (if you name it anything other than "database", update the .env file in code folder)
7. Click the sql tab at the top, copy paste the code from "parks.sql" in the MapInfo folder, and hit "go"
8. Do the same for trailHeads.sql
9. Run "npm start" in your terminal (again, in the code folder)
10. Go to http://localhost:5000/ and you should see the fully functioning website