

## Title: Boulder Nature Guides

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

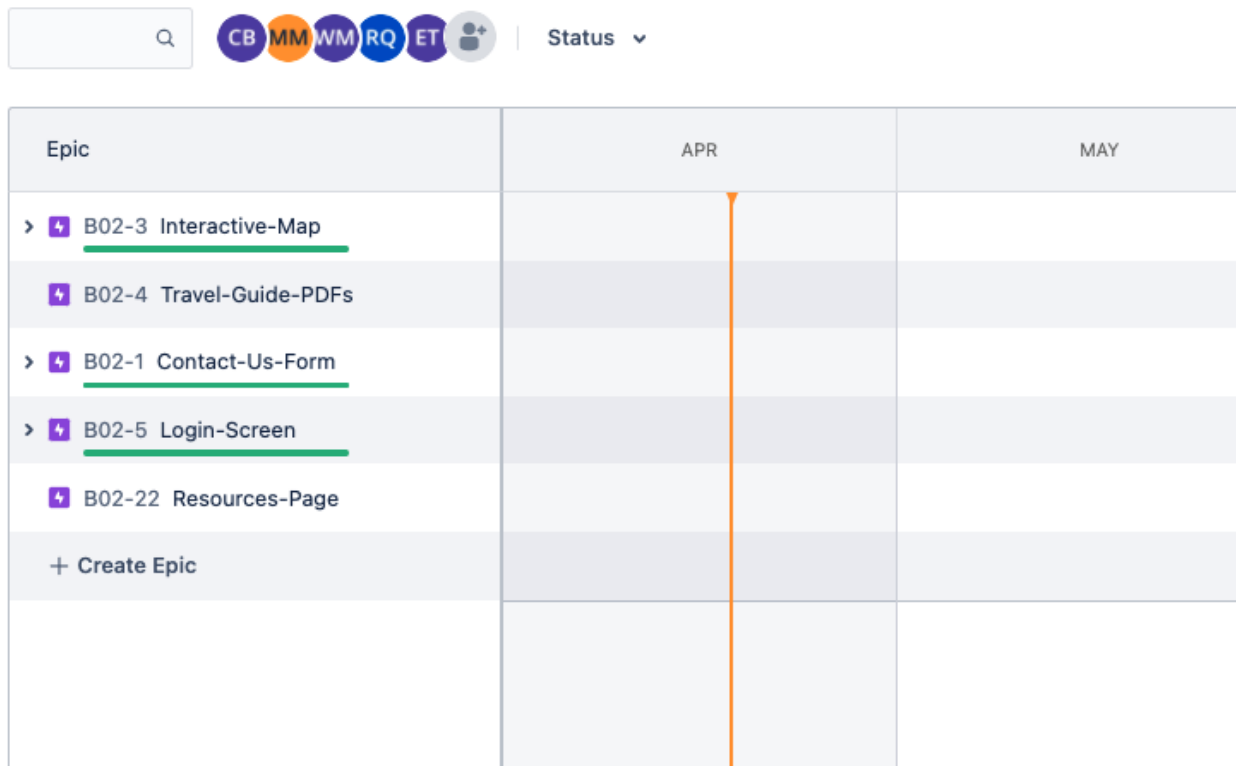
### Project Description:

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>

## Roadmap



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

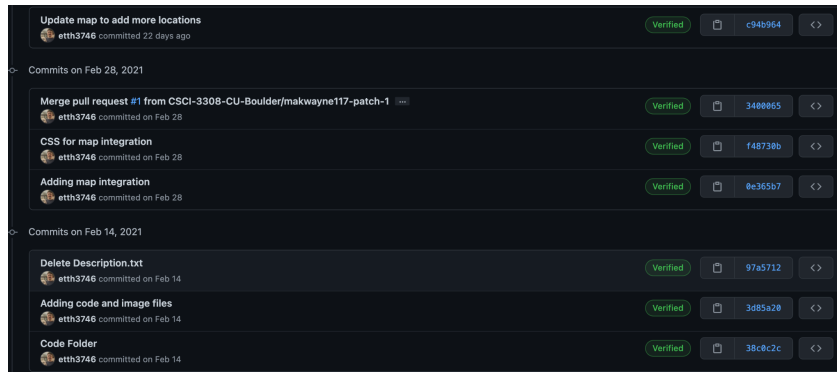
VCS:

[https://github.com/CSCI-3308-CU-Boulder/3308SP21\\_section013\\_2](https://github.com/CSCI-3308-CU-Boulder/3308SP21_section013_2)

Refer to Milestone5 for test cases.

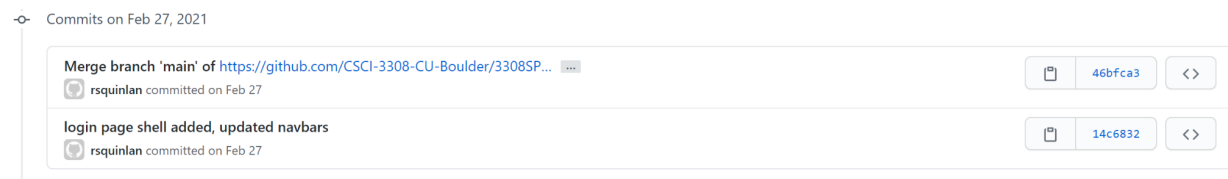
## Contributions:

### 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:



Commits on Mar 26, 2021	<div> <div>profile page + logout</div> <div>rsquinlan committed 23 days ago</div> <div>2a15d3f</div> <div>&lt;&gt;</div> </div>
Commits on Mar 18, 2021	<div> <div>login screen</div> <div>rsquinlan committed on Mar 18</div> <div>b46d76e</div> <div>&lt;&gt;</div> </div>
Commits on Mar 11, 2021	<div> <div>resources updates</div> <div>makwayne117 committed on Mar 11</div> <div>Verified</div> <div>659a28e</div> <div>&lt;&gt;</div> </div>
Commits on Mar 3, 2021	<div> <div>contact us</div> <div>cal-brynestad committed on Mar 3</div> <div>31536f5</div> <div>&lt;&gt;</div> </div> <div> <div>email functionality</div> <div>cal-brynestad committed on Mar 3</div> <div>2b310fb</div> <div>&lt;&gt;</div> </div> <div> <div>updated resource and login css</div> <div>rsquinlan committed on Mar 3</div> <div>a46e389</div> <div>&lt;&gt;</div> </div>
	<div> <div>working map</div> <div>rsquinlan committed 14 days ago</div> <div>2e881f9</div> <div>&lt;&gt;</div> </div> <div> <div>Add files via upload</div> <div>makwayne117 committed 14 days ago</div> <div>Verified</div> <div>03e8b0c</div> <div>&lt;&gt;</div> </div>
Commits on Apr 3, 2021	<div> <div>finished editable profiles and browse profiles screen</div> <div>rsquinlan committed 15 days ago</div> <div>3bb96ad</div> <div>&lt;&gt;</div> </div>
Commits on Mar 28, 2021	<div> <div>map.ejs working</div> <div>rsquinlan committed 21 days ago</div> <div>d0caedf</div> <div>&lt;&gt;</div> </div> <div> <div>Delete sqlIntegrationMap.sql</div> <div>mjk7817 committed 21 days ago</div> <div>Verified</div> <div>4777acd</div> <div>&lt;&gt;</div> </div> <div> <div>Delete phpMapIntegration.php</div> <div>mjk7817 committed 21 days ago</div> <div>Verified</div> <div>e583583</div> <div>&lt;&gt;</div> </div> <div> <div>Merge remote-tracking branch 'origin/main' into login_branch</div> <div>rsquinlan committed 21 days ago</div> <div>7cf651e</div> <div>&lt;&gt;</div> </div>

- 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:

The screenshot shows a web browser window displaying a GitHub repository page. The address bar shows the URL: [https://github.com/CSCI-3308-CU-Boulder/3308SP21\\_section013\\_2/commits?author=makwayne117](https://github.com/CSCI-3308-CU-Boulder/3308SP21_section013_2/commits?author=makwayne117). The repository name is **CSCI-3308-CU-Boulder / 3308SP21\_section013\_2** (Private). The page shows a list of commits by user **makwayne117**. The commits are grouped by date:

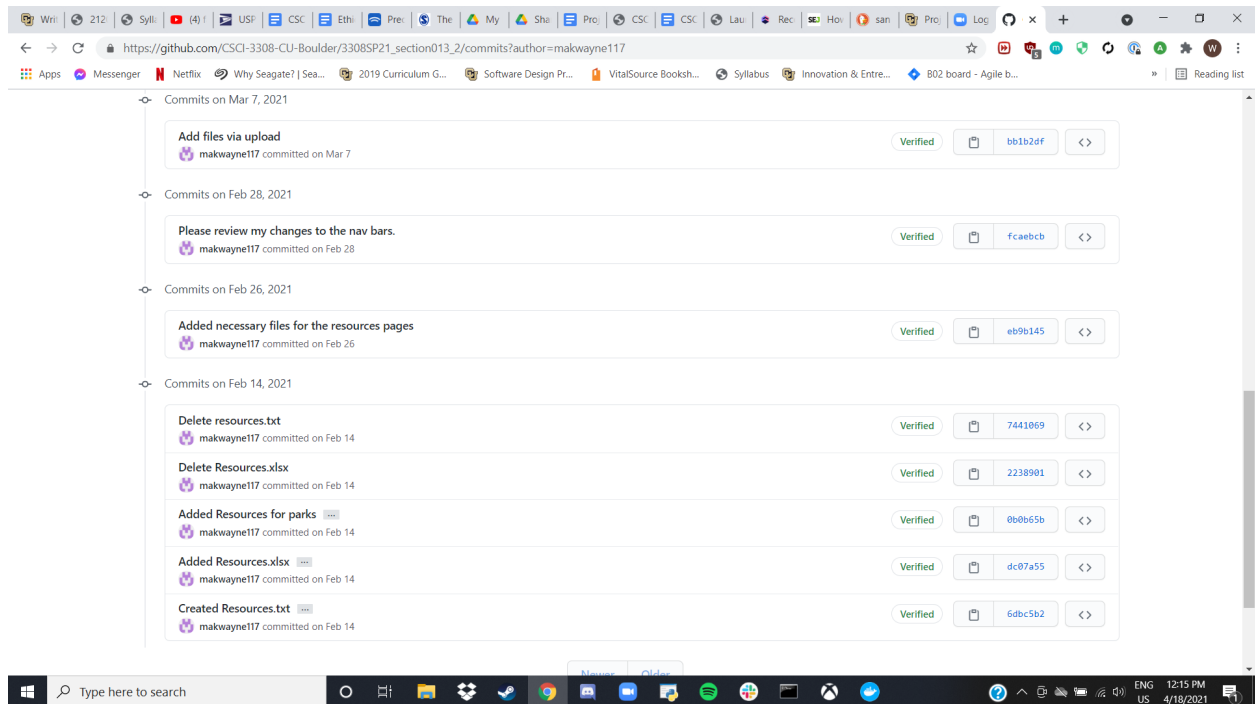
- Commits on Apr 4, 2021**
  - Update trailHeads.sql** (Verified) [28875e5](#) (14 days ago)
  - Wayne's images added** (Verified) [d8116e3](#) (14 days ago)
  - Add files via upload** (Verified) [03e8b0c](#) (14 days ago)
- Commits on Mar 28, 2021**
  - Add files via upload** (Verified) [5fd4809](#) (21 days ago)
- Commits on Mar 27, 2021**
  - Wayne's additions to Parks.sql** (Verified) [cce8c95](#) (22 days ago)

The Windows taskbar at the bottom shows the search bar and various application icons. The system tray on the right indicates the time is 12:15 PM on 4/18/2021.

The screenshot shows the same GitHub repository page, displaying a continuation of the commit history. The commits are grouped by date:

- Commits on Mar 27, 2021**
  - Wayne's additions to Parks.sql** (Verified) [cce8c95](#) (22 days ago)
  - Delete parks.sql** (Verified) [97b9926](#) (22 days ago)
  - Add files via upload** (Verified) [ee17a06](#) (22 days ago)
- Commits on Mar 11, 2021**
  - resources updates** (Verified) [659a28e](#) (committed on Mar 11)
- Commits on Mar 7, 2021**
  - Add files via upload** (Verified) [bb1b2df](#) (committed on Mar 7)
- Commits on Feb 28, 2021**
  - Please review my changes to the nav bars.** (Verified) [fcae1cb](#) (committed on Feb 28)
- Commits on Feb 26, 2021**
  - Added necessary files for the resources pages** (Verified) [eb9b145](#) (committed on Feb 26)

The Windows taskbar and system tray are visible at the bottom, showing the time as 12:15 PM on 4/18/2021.



- 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:

main ▾

Commits on Apr 15, 2021

- Add files via upload**  
cal-brynestad committed 3 days ago Verified bcd5eaf <>
- Delete Milestone6\_013\_2.pdf**  
cal-brynestad committed 3 days ago Verified 395747a <>
- Add files via upload**  
cal-brynestad committed 3 days ago Verified 081b983 <>

Commits on Apr 8, 2021

- Add files via upload**  
cal-brynestad committed 10 days ago Verified 82d2410 <>

Commits on Apr 7, 2021

- Park photos done**  
cal-brynestad committed 11 days ago 33e5651 <>
- trail head images done**  
cal-brynestad committed 11 days ago b72b585 <>

Commits on Apr 4, 2021

- Merge branch 'main' of <https://github.com/CSCI-3308-CU-Boulder/3308SP...>**  
cal-brynestad committed 14 days ago 18d743d <>
- cals images**  
cal-brynestad committed 14 days ago 62dce5d <>

Commits on Mar 28, 2021

- Merge branch 'main' of <https://github.com/CSCI-3308-CU-Boulder/3308SP...>**  
cal-brynestad committed 21 days ago 727da36 <>
- park queries**  
cal-brynestad committed 21 days ago ddeac44 <>

- 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:

Create 4.9 mj7817 committed 5 days ago	Verified		e08ca16	<>
Update README.md mj7817 committed 5 days ago	Verified		4a9c397	<>
Update README.md mj7817 committed 5 days ago	Verified		e225457	<>
Update README.md mj7817 committed 5 days ago	Verified		9c590bf	<>
Update README.md mj7817 committed 5 days ago	Verified		776c5e5	<>
Update README.md mj7817 committed 5 days ago	Verified		6b68253	<>
Update README.md mj7817 committed 5 days ago	Verified		a4a129f	<>

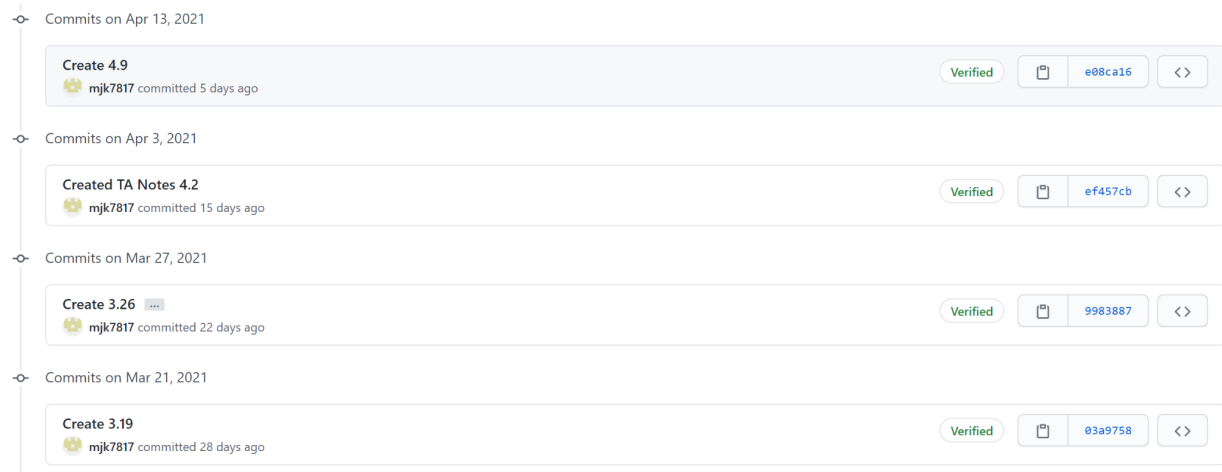
Commits on Apr 4, 2021

Delete sqlIntegrationMap.sql mj7817 committed 14 days ago	Verified		7313fdb	<>
- . . . . .				
Delete phpMapIntegration.php mj7817 committed 14 days ago	Verified		d6fb324	<>
Maigh Photo Edits mj7817 committed 14 days ago	Verified		07bd831	<>
Update trailHeads.sql mj7817 committed 14 days ago	Verified		c40468f	<>
Update trailHeads.sql mj7817 committed 14 days ago	Verified		cf00d3d	<>
Update Parks.sql mj7817 committed 14 days ago	Verified		bbf3586	<>
Update Parks.sql mj7817 committed 14 days ago	Verified		4ce5ec2	<>
Update Parks.sql mj7817 committed 14 days ago	Verified		3a7e017	<>
Update Parks.sql mj7817 committed 14 days ago	Verified		1c7497f	<>

Commits on Apr 3, 2021



History for [3308SP21\\_section013\\_2](#) / TA Standup Notes



The image shows a Git commit history for the repository '3308SP21\_section013\_2 / TA Standup Notes'. It lists four commits, each with a title, author, date, and a 'Verified' status. The commits are: 'Create 4.9' (mjk7817, 5 days ago, hash e08ca16), 'Created TA Notes 4.2' (mjk7817, 15 days ago, hash ef457cb), 'Create 3.26' (mjk7817, 22 days ago, hash 9983887), and 'Create 3.19' (mjk7817, 28 days ago, hash 03a9758). Each commit entry includes a 'Verified' button, a document icon, the commit hash, and a '<>' button.

Commit Title	Author	Date	Hash	Verified
Create 4.9	mjk7817	5 days ago	e08ca16	Verified
Created TA Notes 4.2	mjk7817	15 days ago	ef457cb	Verified
Create 3.26	mjk7817	22 days ago	9983887	Verified
Create 3.19	mjk7817	28 days ago	03a9758	Verified

- 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