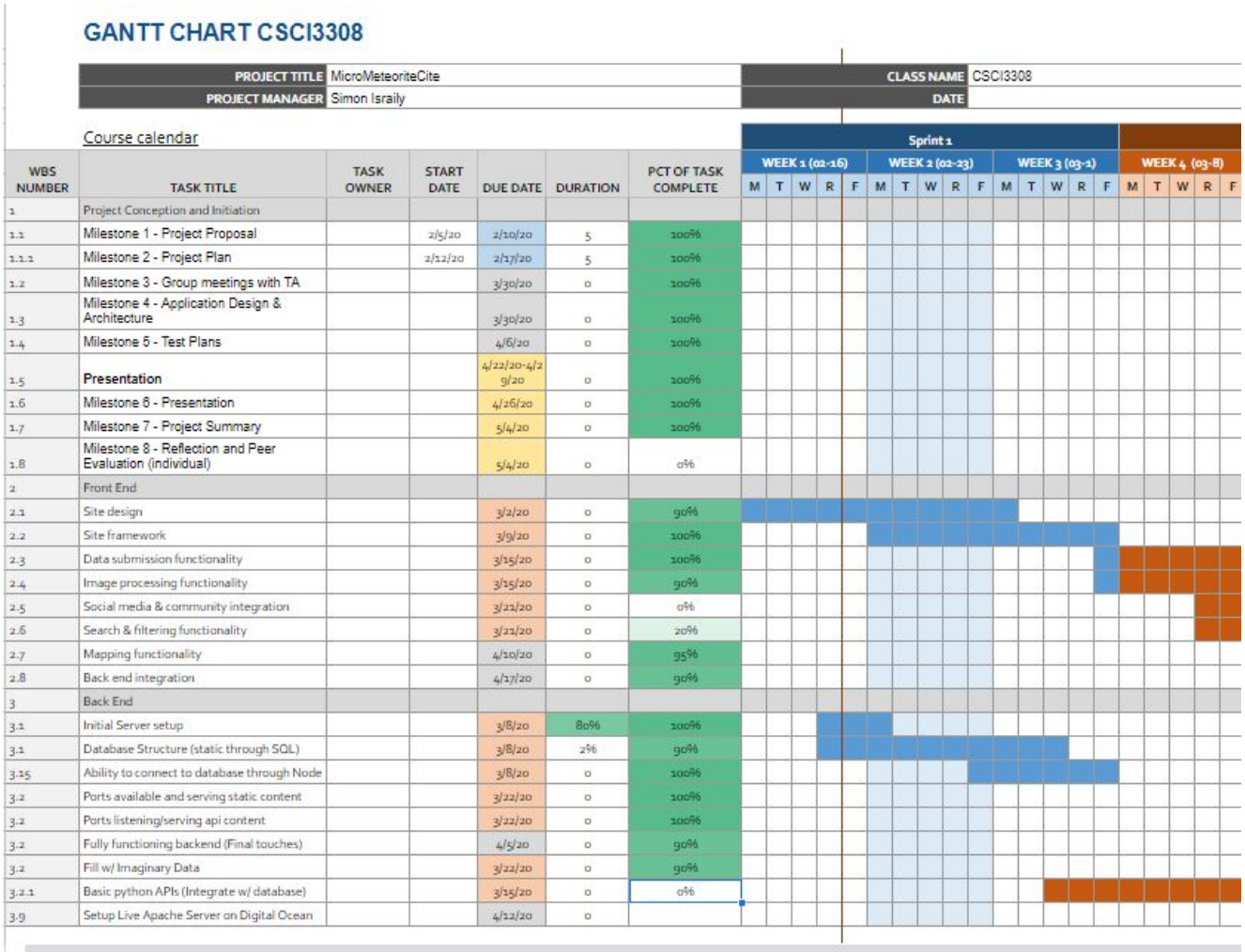
Title: MicroMeteoriteCite
Who: Jackson Curry, Simon Israily, Julien King
Project Description: The goal of our project was to make a website that would allow users to view a large collection of micrometeorites found by others as well as encourage users to find micrometeorites themselves! With this being said our website consists of 3 main functional pages with the first being a gallery page where the large collection of submitted micrometeorites are loaded for users to view and admire. The next main page we have is an interactive world map that has pins stuck in it which mark the locations that other users have found micrometeorites in the past. We thought that this feature was really cool and important because of how it can help inspire users to look for their own micrometeorites by showing them closeby locations where others have found micrometeorites. Finally, we had a page on our website which allowed the user to make their own micrometeorite submission to contribute to the community collection when they found a micrometeorite for themselves!
Project Tracker: We used a Gantt Chart for our project tracker
Link:https://docs.google.com/spreadsheets/d/131OPJstFJWQSHsVww_XyajUIt8AfQyjxbuR8hapEbEo/edit?usp=sharing
Screenshot:



GANTT CHART CSCI3308

PROJECT TITLE	MicroMeteoriteCite	CLASS NAME	CSCI3308
PROJECT MANAGER	Simon Israily	DATE	

Course calendar

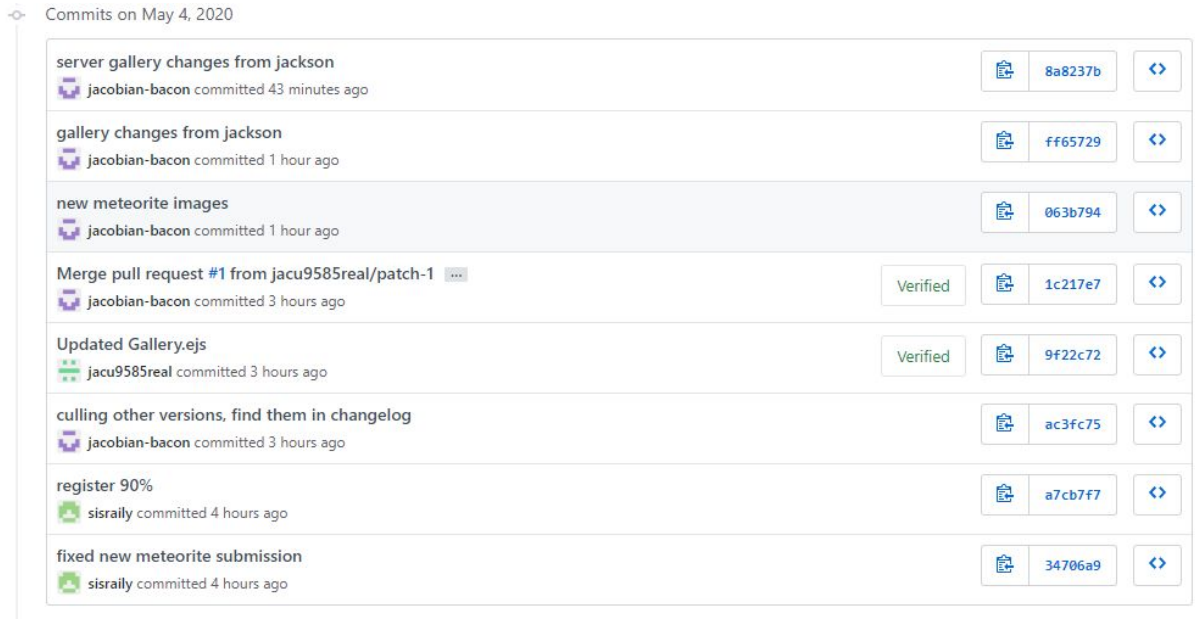
WBS NUMBER	TASK TITLE	TASK OWNER	START DATE	DUE DATE	DURATION	PCT OF TASK COMPLETE
1	Project Conception and Initiation					
1.1	Milestone 1 - Project Proposal		2/5/20	2/10/20	5	100%
1.1.1	Milestone 2 - Project Plan		2/12/20	2/17/20	5	100%
1.2	Milestone 3 - Group meetings with TA			3/30/20	0	100%
1.3	Milestone 4 - Application Design & Architecture			3/30/20	0	100%
1.4	Milestone 5 - Test Plans			4/6/20	0	100%
1.5	**Presentation**			4/22/20-4/29/20	0	100%
1.6	Milestone 6 - Presentation			4/26/20	0	100%
1.7	Milestone 7 - Project Summary			5/4/20	0	100%
1.8	Milestone 8 - Reflection and Peer Evaluation (individual)			5/4/20	0	0%
2	Front End					
2.1	Site design			3/2/20	0	90%
2.2	Site framework			3/9/20	0	100%
2.3	Data submission functionality			3/15/20	0	100%
2.4	Image processing functionality			3/15/20	0	90%
2.5	Social media & community integration			3/22/20	0	0%
2.6	Search & filtering functionality			3/22/20	0	20%
2.7	Mapping functionality			4/10/20	0	95%
2.8	Back end integration			4/17/20	0	90%
3	Back End					
3.1	Initial Server setup			3/8/20	80%	100%
3.1	Database Structure (static through SQL)			3/8/20	2%	90%
3.15	Ability to connect to database through Node			3/8/20	0	100%
3.2	Ports available and serving static content			3/22/20	0	100%
3.2	Ports listening/serving api content			3/22/20	0	100%
3.2	Fully functioning backend (Final touches)			4/5/20	0	90%
3.2	Fill w/ Imaginary Data			3/22/20	0	90%
3.2.1	Basic python APIs (Integrate w/ database)			3/15/20	0	0%
3.9	Setup Live Apache Server on Digital Ocean			4/12/20	0	

Sprint 1 — WEEK 1 (02-16) | WEEK 2 (02-23) | WEEK 3 (03-1) | WEEK 4 (03-8)
M T W R F | M T W R F | M T W R F | M T W R F

Video Demo:
We have created a video demo of our project that is in our final GitHub repository!

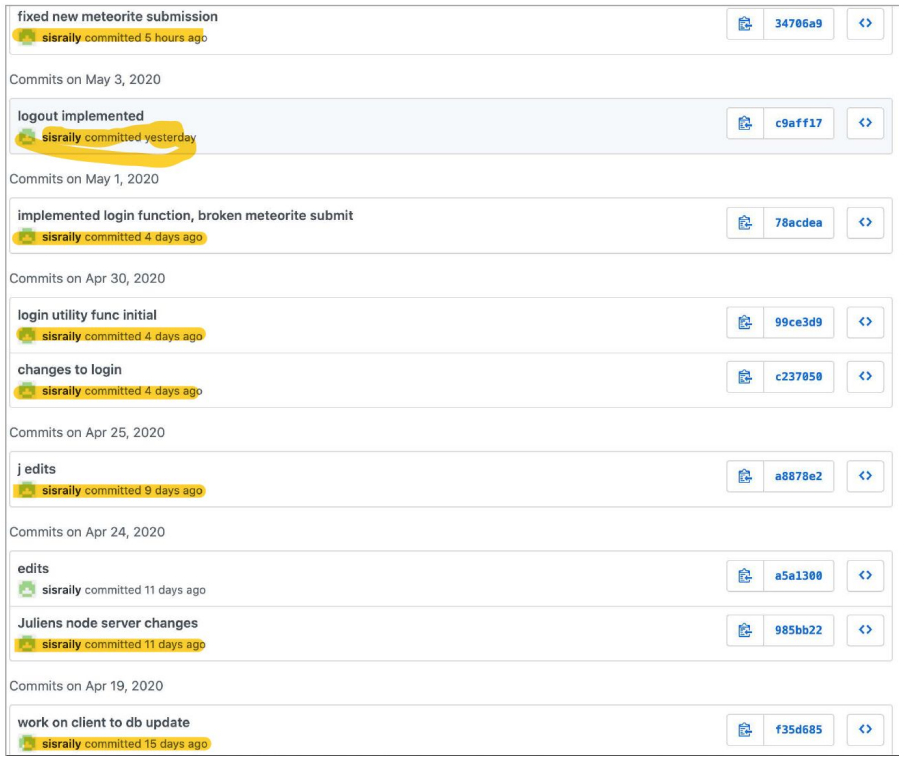
VCS: link to the repository we made to transfer our final project files into:
https://github.com/jacobian-bacon/3308_Final_Submission.git

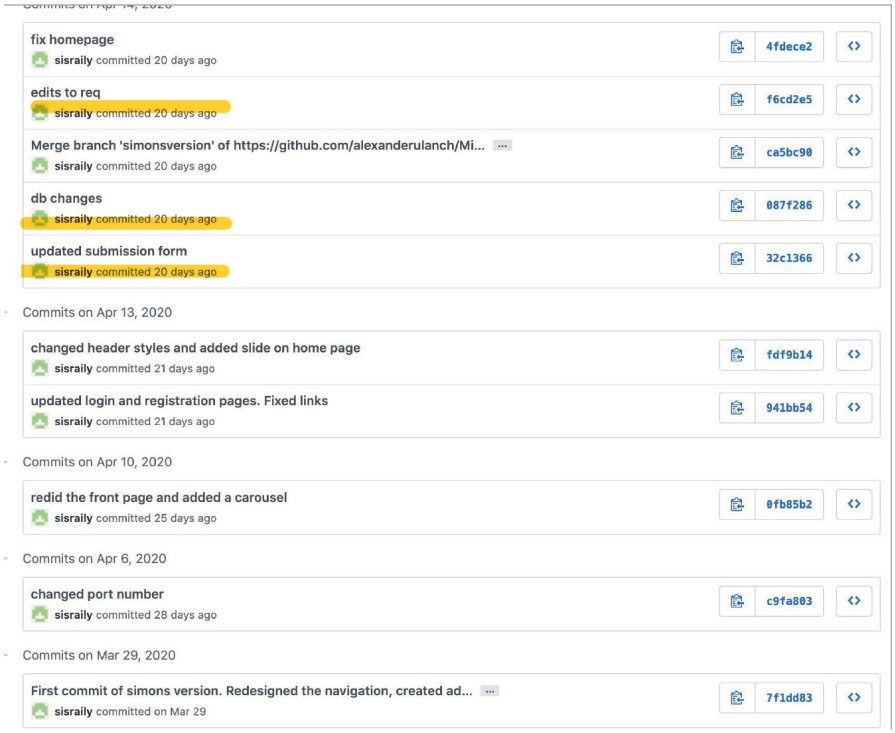
Contributions:
First, we will show our commits we have all made here at the end to bring our respective parts of the project together to create the cohesive and functional final application in a new repository

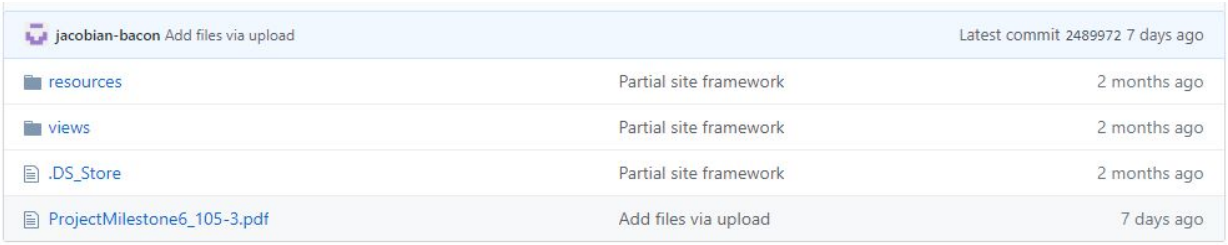


Julien King- Julien first helped Simon with setting up the server to host our final application live on the internet using Digital Ocean. Then Julien helped by making large edits to our server file to create features like the login, logout, and register features that first show up when visiting our website. Finally, he created the meteorite submission form and helped with creating the code that would update our database whenever someone found a new meteorite and submitted its information to the website!

Pictures to Document Some of Julien's Work:
(Note that Julien was having a really strange error where some of his commits he was making to GitHub were coming in under Simon Israily's account name even though it was Julien making some of the commits. The ones pictured below are really Julien as verified by our team and Simon)

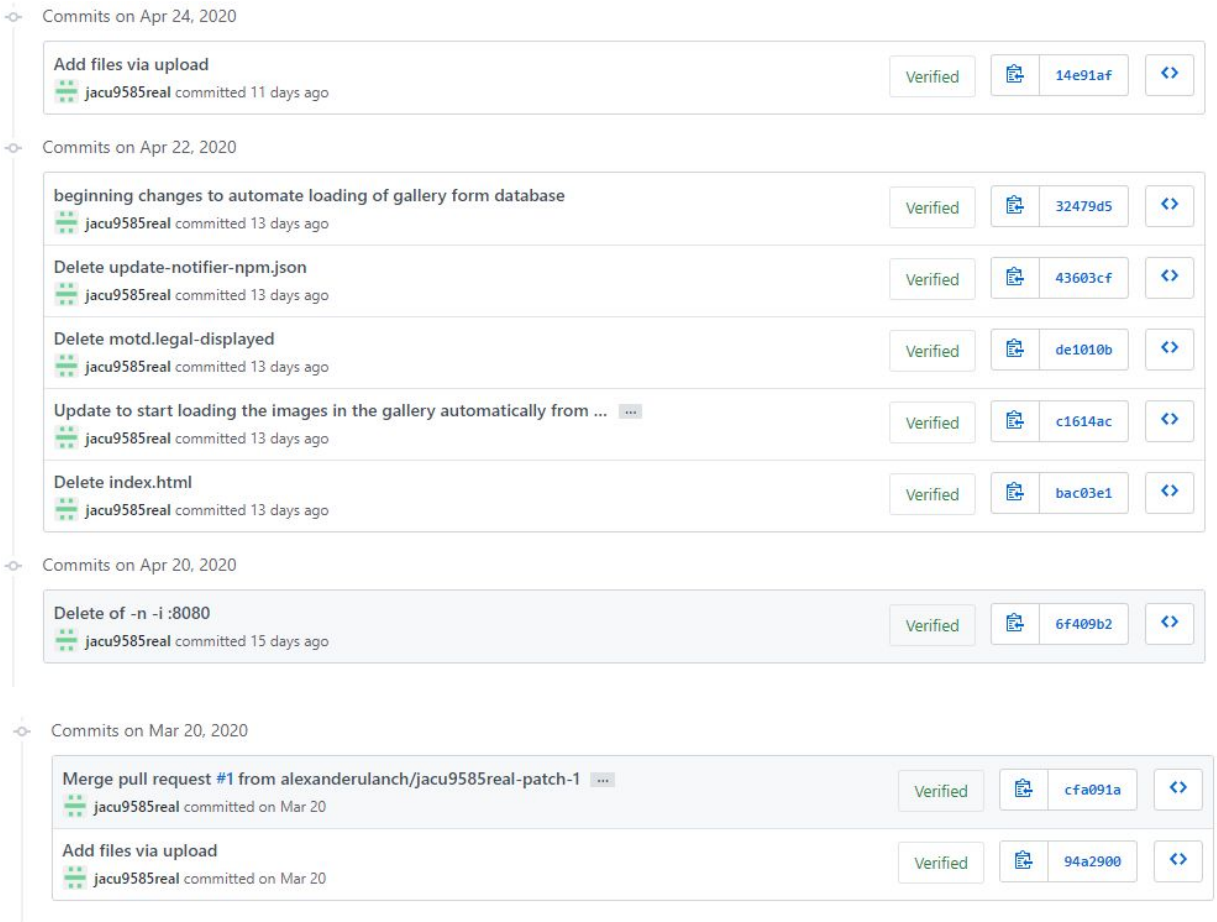

fixed new meteorite submission
sisraily committed 5 hours ago
34706a9
Commits on May 3, 2020
logout implemented
sisraily committed yesterday
c9aff17
Commits on May 1, 2020
implemented login function, broken meteorite submit
sisraily committed 4 days ago
78acdea
Commits on Apr 30, 2020
login utility func initial
sisraily committed 4 days ago
99ce3d9
changes to login
sisraily committed 4 days ago
c237050
Commits on Apr 25, 2020
j edits
sisraily committed 9 days ago
a8878e2
Commits on Apr 24, 2020
edits
sisraily committed 11 days ago
a5a1300
Juliens node server changes
sisraily committed 11 days ago
985bb22
Commits on Apr 19, 2020
work on client to db update
sisraily committed 15 days ago
f35d685

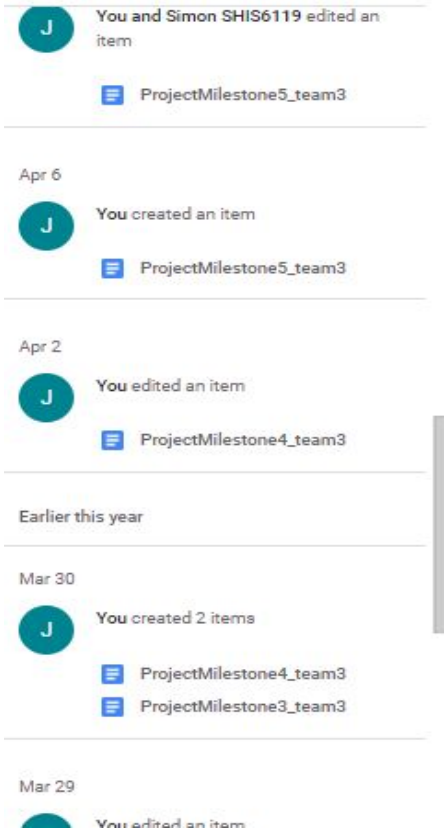

fix homepage
sisraily committed 20 days ago
4fdece2
edits to req
sisraily committed 20 days ago
f6cd2e5
Merge branch 'simonsversion' of https://github.com/alexanderulanch/Mi...
sisraily committed 20 days ago
ca5bc90
db changes
sisraily committed 20 days ago
087f286
updated submission form
sisraily committed 20 days ago
32c1366
Commits on Apr 13, 2020
changed header styles and added slide on home page
sisraily committed 21 days ago
fdf9b14
updated login and registration pages. Fixed links
sisraily committed 21 days ago
941bb54
Commits on Apr 10, 2020
redid the front page and added a carousel
sisraily committed 25 days ago
0fb85b2
Commits on Apr 6, 2020
changed port number
sisraily committed 28 days ago
c9fa803
Commits on Mar 29, 2020
First commit of simons version. Redesigned the navigation, created ad...
sisraily committed on Mar 29
7f1dd83



Jackson Curry- Jackson made the initial framework for the website that was used during the demo for Milestone 3 to show our plans for the whole front-end layout of the website. Then he also helped contribute to the layout and contents of the final database. Additionally, he helped by doing the writeups for several milestones. Lastly, Jackson created the final gallery page which entailed creating several database meteorite picture objects, writing the server requests to fetch them, and writing an EJS file to layout the page in a manner that is scalable to however many meteorites are in the database.

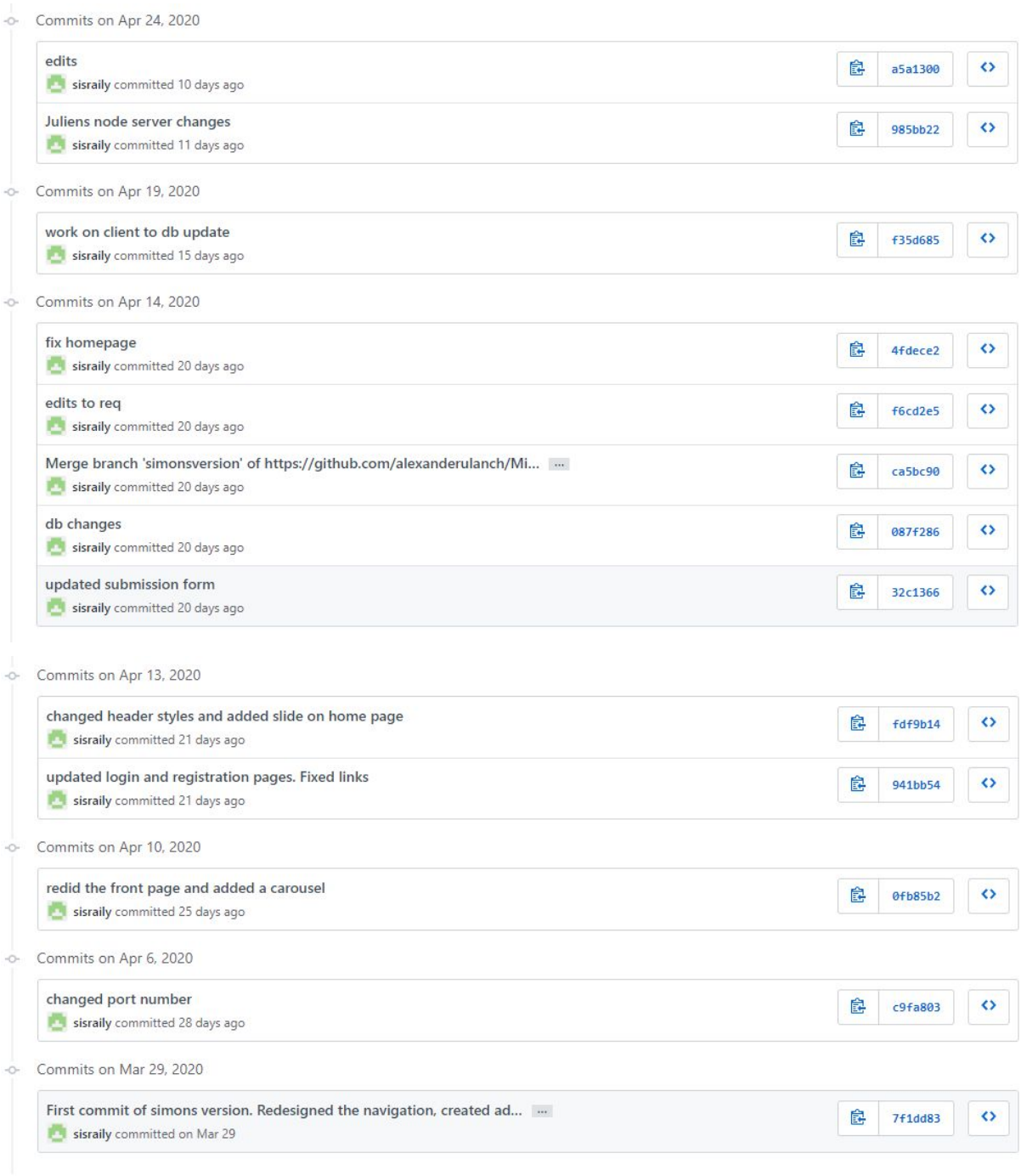
Pictures to Document Some of Jackson's Work:





Simon Israily- Simon developed the code that creates the interactive world map with pins that mark the locations of micrometeorites that have been found. He also did extensive work on setting up the live online server to host our application using digital ocean. Additionally, he helped with creating the database structure and planning how the 3 tables would be related to each other. Then he helped with creating an initial server version when we were transitioning our application from using JavaScipt and raw HTML pages run to using Node.js, SQL, and EJS to run our application. Finally, he helped to create the final version of the home page of the website.

Pictures to Document Some of Simon's Work:



Deployment:

IMPORTANT To login use the username: testusertesty password: psswrd123

Here is the live link where you can see our project running online: http://142.93.21.74/