Milestone 7

River Mile

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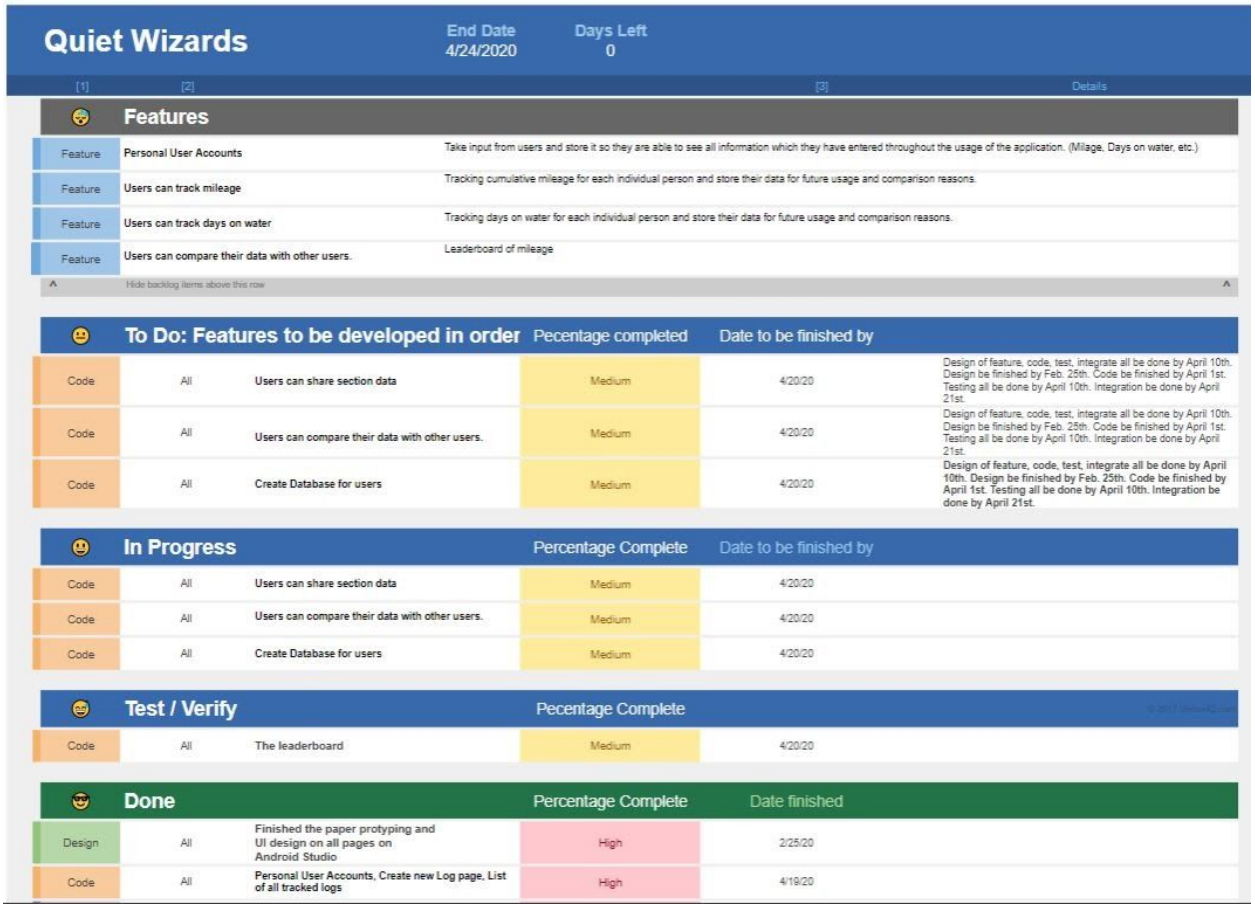
Team 102-1 aka The Quiet Wizards

River Mile is a unique android application that is designed to allow users to track personal usage statistics for whitewater rafting and kayaking. Users can track data including number of days spent on the water, number of miles paddled, swims and a breakdown of the difficulty that the user paddles at. All of this data is visible to the user and can easily be sorted by date, type of watercraft, and difficulty of run. Additionally, users can compare their statistics with other users to see and share data on runs for easy tracking. A global leaderboard will enable users to watch the top 5 users for every category. Users may also search for specific users by name to allow one on one comparisons. Users will input data on the unique sections of the river that they paddle and this data will be stored and accessible by all other users. This allows users to easily log their runs without having to input large amounts of data every time, and it allows for congruent data for all users on a given section. There are many applications in the whitewater community that are designed to track water levels, but none that allow users to keep track of their personal usage.

Project Tracker

https://docs.google.com/spreadsheets/d/1WeA_c3Ca2mbwgcZTd9i0lM4tJRQGgeW47oYFBYDnbho/edit#gid=546470820



Quiet Wizards

End Date: 4/24/2020
Days Left: 0

[1]	[2]	[3]	Details

Features

Feature	Personal User Accounts	Take input from users and store it so they are able to see all information which they have entered throughout the usage of the application. (Milage, Days on water, etc.)
Feature	Users can track mileage	Tracking cumulative mileage for each individual person and store their data for future usage and comparison reasons.
Feature	Users can track days on water	Tracking days on water for each individual person and store their data for future usage and comparison reasons.
Feature	Users can compare their data with other users.	Leaderboard of mileage

Hide backlog items above this row

To Do: Features to be developed in order

			Pecentage completed	Date to be finished by	
Code	All	Users can share section data	Medium	4/20/20	Design of feature, code, test, integrate all be done by April 10th. Design be finished by Feb. 25th. Code be finished by April 1st. Testing all be done by April 10th. Integration be done by April 21st.
Code	All	Users can compare their data with other users.	Medium	4/20/20	Design of feature, code, test, integrate all be done by April 10th. Design be finished by Feb. 25th. Code be finished by April 1st. Testing all be done by April 10th. Integration be done by April 21st.
Code	All	Create Database for users	Medium	4/20/20	Design of feature, code, test, integrate all be done by April 10th. Design be finished by Feb. 25th. Code be finished by April 1st. Testing all be done by April 10th. Integration be done by April 21st.

In Progress

			Percentage Complete	Date to be finished by
Code	All	Users can share section data	Medium	4/20/20
Code	All	Users can compare their data with other users.	Medium	4/20/20
Code	All	Create Database for users	Medium	4/20/20

Test / Verify

			Pecentage Complete	
Code	All	The leaderboard	Medium	4/20/20

Done

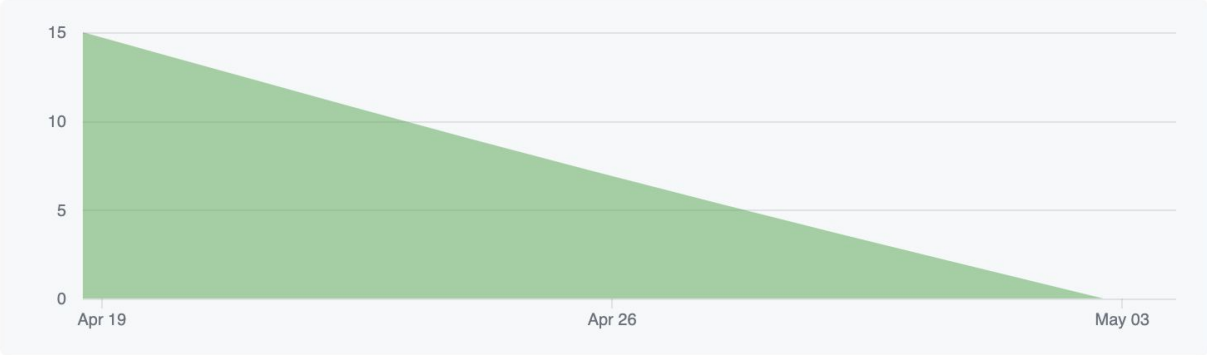
			Percentage Complete	Date finished
Design	All	Finished the paper protyping and UI design on all pages on Android Studio	High	2/25/20
Code	All	Personal User Accounts, Create new Log page, List of all tracked logs	High	4/19/20

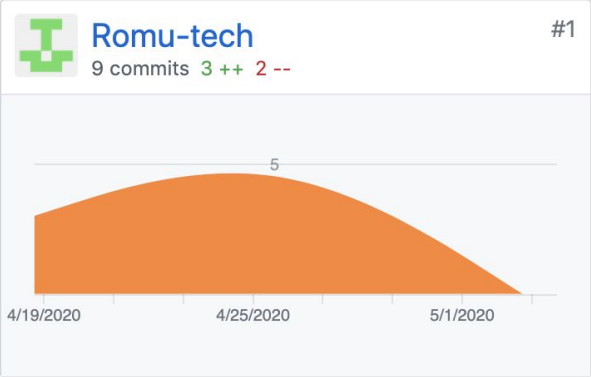
Video (optional) =

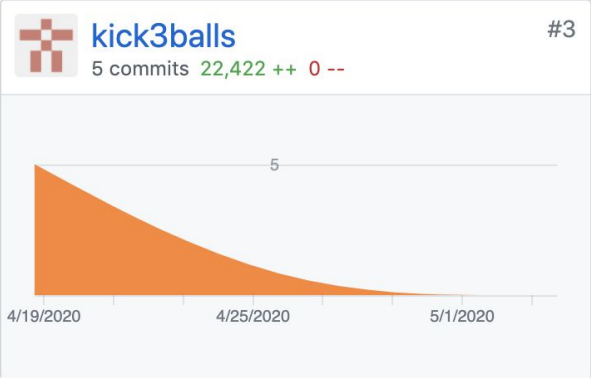
VCS = https://github.com/GatorWrangler/All-Project-Code-Repositories-

Contributions

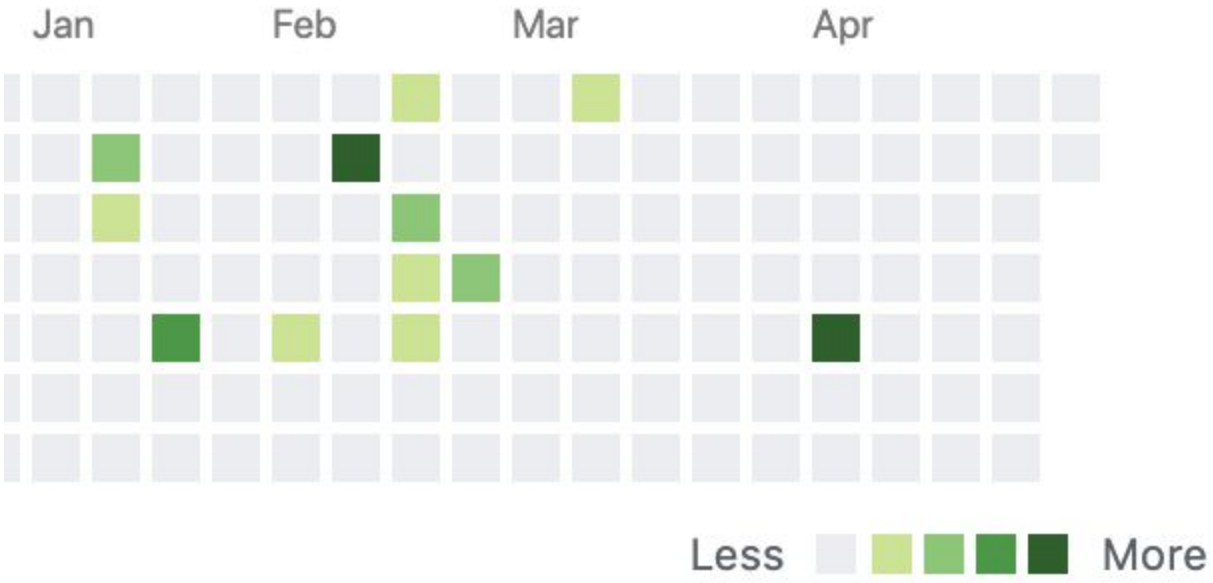
Contributions to master, excluding merge commits







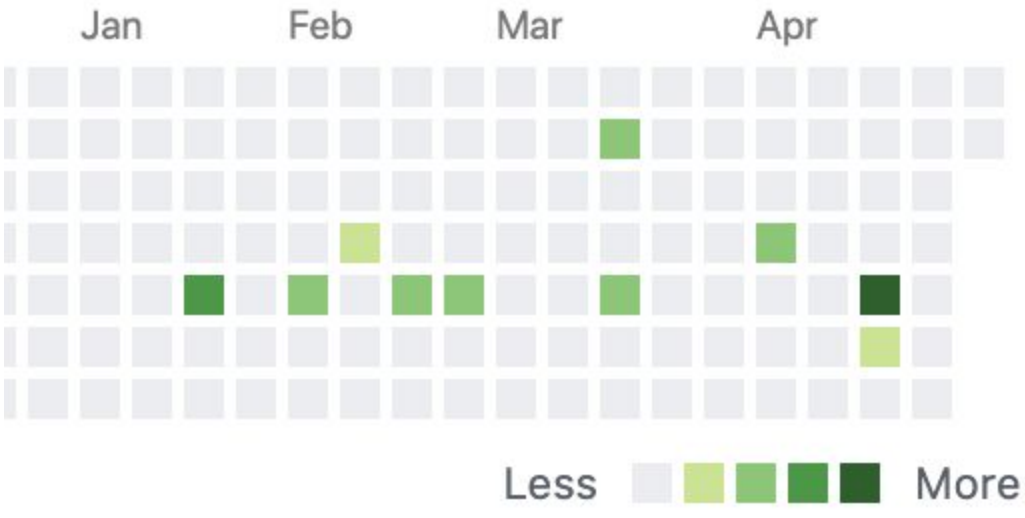
Catie (caba6053):



https://github.com/GatorWrangler/All-Project-Code-Repositories-/tree/master/Contributions (The last repo was accidentally deleted along with my commits and I lost everything I had when my MacBook decided to stop working a month ago)

Sections traveled, etc.

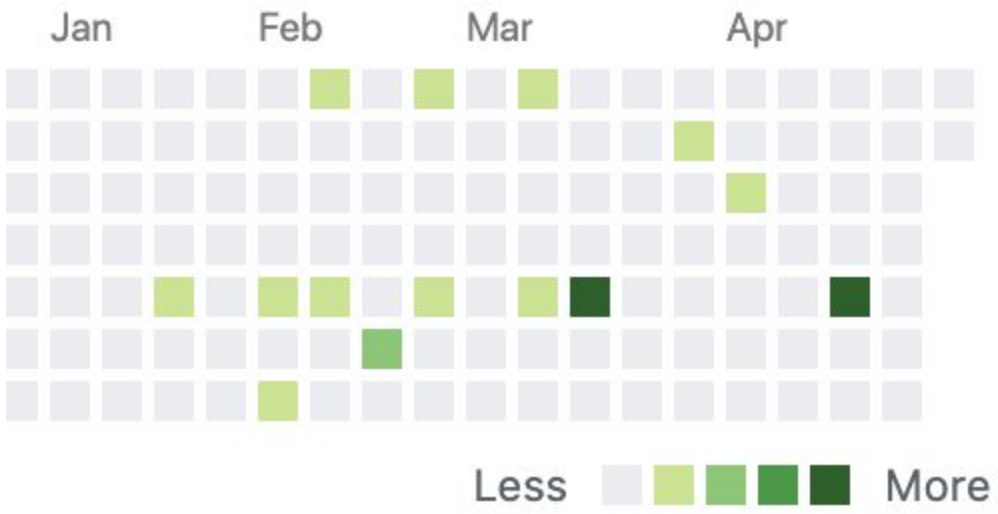
Yifan(kick3balls):



https://github.com/GatorWrangler/All-Project-Code-Repositories-/tree/master/login%20and%20sign%20up

（Login Page, Sign up, Forgot Password, Database linking, demo.）
I used Android Studio to create a login,sign up, and forgot password page.
Use SQLite to create a user's database, including data such as userid, firstname, last name, email and password.
Regarding password reset, there is no way to send emails, because there is no mail server. Can only be made to match the mailbox and username, if successful, users can reset the password.
Built a demo that was shown for the presentation.

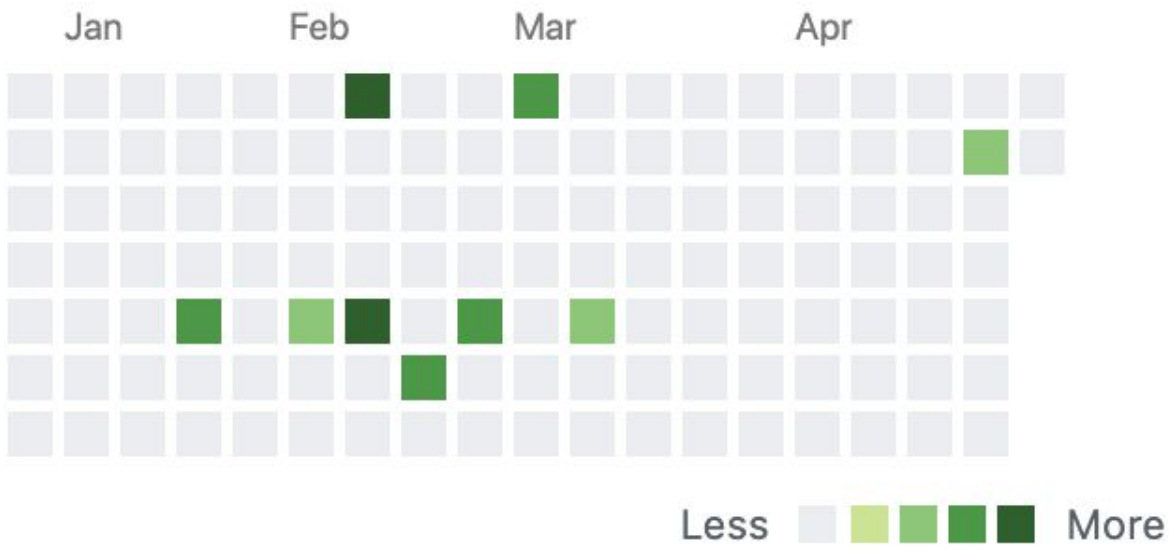
Brant (FoolishPineapple):



I built the original databases for the runs, sections and logs. This entailed a driver file for each database and a DAO to help manage the SQLite. Additionally, I built the

original add new section, add log, and view log pages. I also initially attempted to keep the files on the repo clean, but that was an impossible task once people started uploading files wherever instead of commiting. Locating these files on the main repo now is impossible given that the master branch was completely overwritten, however the database drivers did manage to get restored here: All-Project-Code-Repositories-/All-Project-Code-Repositories--master/River_Mile/app/src/main/java/com/brant/river_mile/ . In total I built about 12 files. Included above is my commits to this repo over the last 3 months.

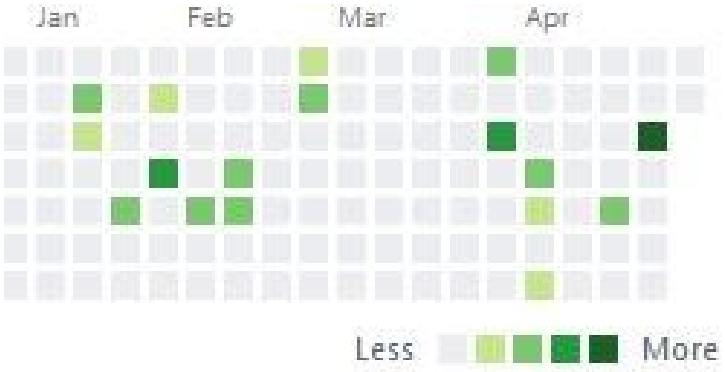
Tyler(GatorWrangler):



https://github.com/GatorWrangler/All-Project-Code-Repositories-/tree/master/Contributions

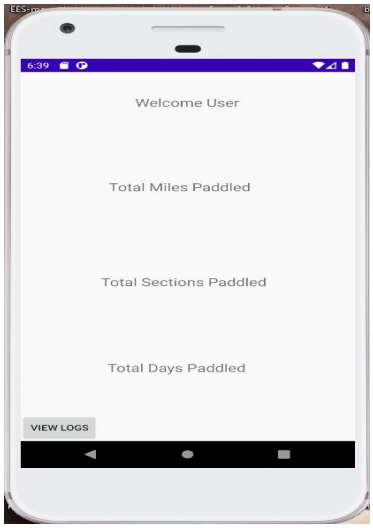
The pages I worked on were to create the new user page and the add new log page. These pages were not extremely technical, but creating them on AndriodStudio proved to be its own challenge. The new user pages, is a page that has text fields that the user can fill in to create a new account. The user will have to create a new account when they are first logging into the application. The created user is then stored in a database using SQlite. The other page I worked on is the add new logs page. This page prompts the user to create a new log. The user can add things like location, distance traveled, and water speed to the text fields and then submit. Once the data has been submitted the log is stored in the database using SQlite and the data is displayed on the screen and can be displayed in different orders by using filters.

Rohit(Romu-tech):



https://github.com/GatorWrangler/All-Project-Code-Repositories-/tree/master/Contributions

Home Page and Navigation bar, View Logs Button were the pages I worked on. It was difficult to get things going not because of the technicality but because they were used in Android Studio which was a new territory to me. It was easy to get things working properly in terms of layout, I struggled a lot with the coding aspect of it due to new syntax. The navigation bar did not make it to the final copy, but it was functional and would've allowed accessing the separate pages easier. Home page was not too hard, but it was difficult figuring out how to incorporate totals for the user on the page. Since the repo was accidently deleted, the original backup containing the navigation bar has been lost, but a screenshot of the early home page is shown below, along with commits. The user should be able to see the total miles, sections, and days paddled, along with a section to view all the logs which should link to the log page.



Deployment

To use this app in its current form, you must have Android Studio installed. Download the master branch and import the project to Android Studio. Then navigate to the build_gradle file. After building this, the app will be ready to run on an emulator of your choosing. To use the built in emulator, simply hit run.