Milestone 1

Team number = 102-1
Team name = Quiet Wizards
Members = Catie Baisley, Brant Smith, Yifan Li, Tyler Szymkowicz, Rohit Muralidharan
Application Name = River Mile

Application Description =

      River Mile will be a phone based application that allows users to track their personal statistics for river usage. Users will be able to keep track the number of days they spend on the water, mileage boated, method of travel (kayak, raft, canoe, ect.), and the number of flips/ swims[1] they have. Users will be able to choose from or create sections[2] of the river with information about difficulty, distance and best flows. These sections will then be added to a database, allowing other users to quickly reference information about these sections. Users will be able to comment on sections that they have run, providing information about hazards or access issues. Users will also be able to see how their statistics compare to other users in a ranking system.

      There are currently several apps that exist which allow users to find out information about current streamflow. However, there are no apps that allow for personal river usage tracking. Many jobs in the white water community require complete trip logs, or detailed lists of miles boated, difficulty, and days spent on the water each year. River Mile would allow users to easily record this information as they go, and reference it in a moment's notice.

Vision Statement =

      For recreational whitewater enthusiasts who want to keep track of their river usage statistics, River Mile is a phone application that makes data tracking easy. Unlike apps like American Whitewater, River Mile allows users to easily store their information about how and when they use rivers.

Version Control =
Team Meeting Logs = https://github.com/GatorWrangler/Team-Meeting-Log.git
 Mile Stone = https://github.com/GatorWrangler/Milestone-Submission.git
All Project Code = https://github.com/GatorWrangler/All-Project-Code-Repositories-.git

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[1] Flips refer to physically capsizing a raft. Swim is a term used to describe exiting a kayak unintentionally.
[2]

Development Method =

We will be using the agile method to develop River Mile. This will allow us to get a working product as quickly as possible, while allowing everyone to work at their own pace.

Communication Plan = Our team has agreed to communicate via that GroupMe application. Our weekly meeting time will be sundays evenings, but we can communicate through the application if things change. In addition to the GroupMe app, we will talk about the project during the recitation period.

Proposed Architecture Plan = The backend will be python and sql, with a java frontend. Python will be used to scrape data from web databases which will then be stored on a sql server. User information will also be stored on the sql server. The front end UI will be a java based android application.

Meeting Plan = Sunday in the Engineering lobby from 5-7pm weekly