

Matthew Meuse

GUNKS EXPERIMENT

Abstract:

The "Gunks" Experiment is an attempt to create an all-inclusive, interactive climbing guide that will contain all of the necessary information for adventure filled climbing at one of America's top traditional climbing destinations: The Shawangunks Range in New Paltz, NY.

Outside of my professional development, climbing at the "Gunks" is one of my most cherished activities. However, planning a weekend climbing trip at the "Gunks" can be a very stressful and time consuming experience, as it often involves an intensive review of a printed guidebook, figuring out the weather forecast and finding an adequate place to stay and eat for the weekend. It is my contention that a one-stop-shop mobile application, which most any climber with a smart phone can access, would be a gratefully appreciated tool within the climbing community.

HERE IS A FUNCTIONAL DESCRIPTION OF EACH FEATURE:

Search Routes:

When the User clicks on Search Routes, they will be presented with a list of climbs in Alphabetical order. These climbs are loaded from a pre-populated SQL database. In the future, I would like to allow for users to submit new routes that can be incorporated into the application for future releases, but this was out of scope.

If the user selects a route, they will see the following information:

- Route Name //What is the Name of the Climb
- Climbing Difficulty //A textual representation of a climb's difficulty. Usually on a 5.0-5.10 scale of difficulty, easy to hard
- Vertical Feet //How high in feet that the climb is
- Pitch Count //The number of lengths of a 60m rope that it takes to climb the route
- Route Description //A textual description of the features of the route
- Related photographs //A photograph of the route if available. If not available, no photo will be display. In the future, if no photo is available the GUI should hide the UIImageView
- Add To Tick List //Allows a user to add a climb to their tick list
- Add To Wish List //Allows a user to add a climb to their tick list

View Tick List:

A Tick List is basically a list of all of the climbs that a user has climbed. This is useful to climbers because this serves as a reminder of what climbs that they have done. When a user, clicks Add to Tick List from a newly discovered route, it will display in the Tick List.

View Wish List:

A Wish List is basically a list of all of the climbs that a user wants to climb in the future, but hasn't. This list is useful to climbers so that they can keep track of what climbs that they haven't done, but would like too. When a user clicks Add to Wish List from a newly discovered route, it will display in the Wish List

View Weather:

Loads a UI Web View Container within the application with specific weather for the Gunks (New Paltz, NY).

Driving Directions

Loads a UI Web View Container within the application that displays Google Map directions for the current location to the Gunks (New Paltz, NY).

View Information

Contains links to useful resources including, Food, Lodging and Gear shops.

NOTES:

I created 1 unit test to make sure that the application could connect to the database.