

GWC Clubs Locator App Proposal

- What problem are you trying to solve or what are you trying to learn?

There is currently no way for an interested individual to find their nearest GWC club(s) without emailing someone who works for GWC. We will seek to rectify this by providing a service that finds all the GWC clubs within 20 miles of a user's location.

- What technologies will you be using. Why have you decided on those?

Technologies: Google Maps APIs, JavaScript, jQuery, HTML/CSS

Algorithm:

1. Take in a location input
2. Find all the GWC clubs within a certain radius of the location

We've chosen these technologies because we're relatively familiar with all of them except the Google Maps APIs. However, we can familiarize ourselves with them as soon as possible.

- Will you need to buy any supplies? If so, what, and how much will it cost? Remember that teachers can veto all purchases!

As of right now, we foresee no necessary purchases. All of the resources we plan to use are free.

Use Cases

Opening Page:

Enter a zipcode or address input bar

Blank map of the USA

If user clicks on the input bar:

Enter a zipcode or address

Click FIND

Map finds all GWC clubs within 20 miles of that zipcode/address

If user clicks on Use My location button:

Map finds all GWC clubs within 20 miles of the user's location

BONUS: If user clicks donate button:

Brings user to page 2 with info about the GWC organization and a link to the donation page on the actual GWC site

If user clicks Start a GWC Club button:

Brings user to page 3 with info about how to start a club and information on how to contact whomever you need to contact to start a club

Risk Assessment

If one partner is absent or ill, she can work from home. If she is delirious with fever and cannot open a computer, the other partner can handle the workload.

If we can't do the "find location" part, we can just use the "type in address/zipcode" instead.

We might not be able to get a functional database with the addresses of all the clubs in the US working. If so, we'll have to insert dummy data and at least get a search function working, then we can try to get the real data later.