

PROJECT REQUIREMENTS - Preliminary

Project Name

Char

Functional Requirements

Database - Website has charity information stored in a database that is able to quickly provide data.

API - Integrated with Canada Gov API for Charity information, connection with our backend database.

Login - Users and Charity accounts. Varying abilities to both. Verification process for charities? for security.

Graphs - Interactive and scalable graphs using data from databases.

Web Scraper/News Source - Some way of automatically getting news information.

Categories and Search Function - Assign categories to charities to search by with filtering options.

Map Display - Display charities on a map based on locations, map can show any region in Canada (perhaps build-in search and filter options here too).

Volunteering Opportunities - Charities are able to post and see volunteering opportunities.

Technical/Performance Requirements

Scalable - Charity pages will be auto populated from the database. Both the database and website should be able to accommodate this.

Secure - If we have links to charities and volunteering opportunities, etc. The website needs to be secure to ensure it does not have links changed to malicious actors (scams,etc).

Good Experience/Pretty UI - Without a good user experience, this website won't be worth exploring for a user. People will give up...need to ensure that it has a good design and UI.

Efficient - Load times are minimal, and do not negatively impact user experience.