Implementations Constraints

Hardware

The app needs to run on desktop and mobile browsers. With the use of semantic html and css, cross-platform (PC/Mac) functionality should be largely the same.

Software

Browser for viewing the app (recent versions - cannot guarantee support for older browsers)

- If app is live (on web)...

Only browser and internet connection required

- If app is to be viewed locally...

Python 3 installed to run files

PostgreSQL to handle database connection

- copy of the database imported

Flask installed to serve app

Terminal to run commands

Node installed to download and install required packages

For Development of app

- all requirements listed above for local viewing

- IDE for writing code

- Source Control software (Git)

- SSH access to repository

- SQL Database with ability to Create,Read, Update and Delete entries

Usability

App should be able to be used by all with ease.

Mobile / responsive capability for smaller screens.

Semantic HTML should allow assistive technologies to help users navigate and use the app.

Budget

Other than the physical device used for developing or using the app, there should be no cost.

All software required in the project is free and/or Open-Source

Time

Time for the project development is limited to one week