# Program Instructions

## Technologies:

**Programming Languages:** Python, HTML, CSS
**Libraries:** Flask, SQLAlchemy, JSON
**Databases:** SQLite3 DB
**System recommendation:** macOS High Sierra or greater

## Installation Instructions:

1) Install Python 3.6.4 or greater
2) Install frameworks **flask, sqlalchemy** using any terminal python installer like **pip** or **conda.** The **json** library should already be installed with python installation.
3) Unzip **WellframeCodingProblem.zip**

## How to run:

4) Go to the unzipped directory of WellframeCodingProblem in terminal or command prompt
5) Run **api.py**. (IE **python api.py**)
6) Open Google Chrome, Safari, etc and type **localhost:5000** as the webpage. This will get you to the web app which connects to the python API and the database which stores the patient and medication data

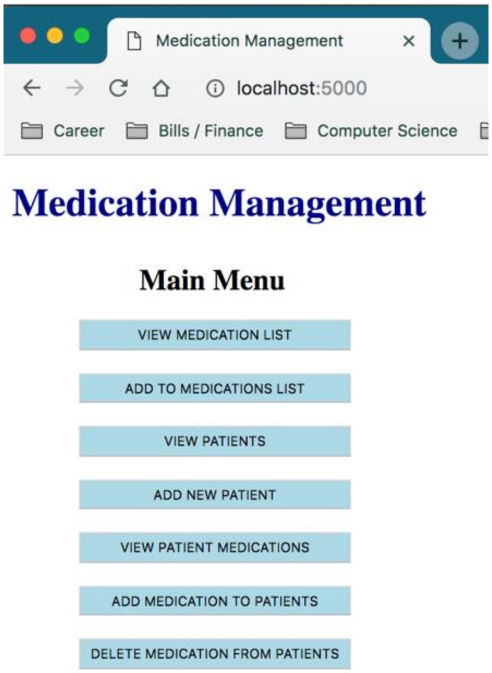
## Application Details:

1) Python program connects to the **health.db** which is a db that can be opened with DB Browser for SQLite (This browser is not needed to run the app)
   a. 3 precreated db tables (available_medicines, patients, patient_meds)
      i. **available_medicines :** stores all medicines added in the web app
      ii. **patients :** stores all patients added in the web app
      iii. **patient_meds :** stores all medicines that belong to a patient
2) Main Menu buttons:
   a. **VIEW MEDICATION LIST :** shows a list of the added medications
   b. **ADD TO MEDICATIONS LIST** : allows you to add a medication to the list
   c. **VIEW PATIENTS :** shows a list of the added patients
   d. **ADD NEW PATIENT :** allows you to add a patient to the list
   e. **VIEW PATIENT MEDICATIONS :** shows a list of medicines belong to the patients
   f. **ADD MEDICAITON TO PATIENTS** : allows you to add a medicine to a patient
   g. **DELETE MEDICATION FROM PATIENTS** : allows you to delete a medicine from a patient
      i. Select the patient name, then hit the “Get Medications” button which will then output the current medications assigned to that patient on the bottom drop-down list. After, you can choose the medication to delete.

3) App.py
    a. Restful API utilizing the python flask framework and implements the CRUD cycle of GET, POST, PUT, and DELETE requests
    b. Connects to **health.db** and receives, creates, and delete records in the db tables

## Expected Results:

**Main Menu of Web App:**



Medication Management

Main Menu