

The web app I will design for Assignment 5 is a dictionary website. The website will have a text input and a button. Once the button is pressed, the phrase entered will be sent to the server. The server will then return all words that start with the phrase in alphabetical order. These will be placed below the button and be refreshed when a new phrase is sent to the server.



A diagram showing a horizontal rectangular text input field with a thick black border. Directly below the center of the input field is a smaller square button, also with a thick black border.



A large, empty rectangular box with a thick black border, intended for displaying the results of the search.

Post-Assignment:

I couldn't get the in-class CGI code to run on my machine no matter what I did, so I chose to tackle parts 2 and 3 in the same program. My web framework of choice was Flask, which has the capability to both run the code for the web app and run the server, simplifying the amount of overhead I had to do to get my program working.

Following tutorials online, everything went great until I moved machines and had issues with virtual environments. Packaged in with the code is a Powershell script that (!should!) delete any existing virtual environments, recreate them on the new machine, install all flask dependencies, and start the server. Connect to the address localhost:####, where the port is given by the Powershell script.

Flask tutorial: <https://blog.miguelgrinberg.com/post/the-flask-mega-tutorial-part-i-hello-world>

Dictionary link: <https://github.com/dwyl/english-words>