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**How to use Flask-Project**

1. Install Python.3

2. Create a virtual environment

python –m venv YOUR-ENV-NAME

Activate the virtual environment:

macOS/Linux: source venv/bin/activate

Windows: venv\Scripts\activate

3. Install Flask (I run it in the top level directory of the project.)

Pip install Flask

4. Copy the files to the project directory.

5. Run the Flask application by typing

python app.py

OR

python app1.py

You should see output indicating that the app is running, and you can view it in your browser at http://127.0.0.1:5000

app.py and app1.py implement the same application. The difference is:

app.py uses template “test.html” while app1.py uses template “test1.html”.

test.html is the plain style html mixed with scripts that handles the processing logic.

test1.html has a cleaner and preferred style that puts the javascripts logic into a separate file. forms.js. With Flask, the file must be placed in the static folder. And you should be careful about the caching problem when you test different versions of forms.js.

app7 generates images, save the parameters to PostgreSQL, and the images to local disk. I wrote logic/graph\_utils.py to create and save statistical graphs. If you have not, please install **numpy, matplotlib, scipy** and **uuid** in the virtual environment that runs app7.