Python Programming with Sqlite and Flask

**Folder Structure:**

* documentation
  + screen-shot
    - get-review.png
    - show-review.png
    - show-top-restraunt.png
    - welcome.png
    - write-a-review.png
  + python-programming-sqlite-flask.docx
* templates
  + addReview.html
  + getReview.html
  + index.html
  + showReport.html
  + showReviews.html
* app.py
* setup.py
* requirements.txt
* reviewData.db

**Development Environment:**

* Windows 10
* Python 3.9.6 (64 bit)
* Python virtual env

**Run Program:**

* Extract zip file and create python virtual environment using **“python -m venv venv”** on command prompt.
* Once virtual environment created activate it using **“venv\Scripts\activate”**
* Run “**pip install -r requirements.txt**” - this will install all necessary python packages into your environment. (make sure you are in right folder path)
* Run **python setup.py** - which will create a database file and create tables.
* Run **python app.py -**  This will start server in [**http://localhost:5000**](http://localhost:5000)
* Navigate to the above mentioned url on the browser.

**Setup.py:**

* There are three function used on this file
  + **Create\_connection(db\_file\_location)**
    - Create a database connection to the sqlite database, we need to provide the database file location as an argument. (reviewData.db)
  + **Create\_table(dbconnection, sql\_query)**
    - This function will execute create table sql query.
  + **main()**
    - This function contains a path to the database file and creates a table sql query.
    - Call methods to the other two functions.

Step 1 - setup.py main() function will achieve this.

Step 2,3,4 - setup.py main() & create\_table() function will helps to do this

Step 5, 6, 7, 8, 9, 10 - All HTML files are inside templates folder.

Step 11 - app.py file contains all the necessary code and explanation for the code.

**Note:**  Feel free to contact me if code is stuck somewhere, or need more explanation.