Week 4: Deployment on Flask

Name: ZYAD HUSSEIN

Batch Code: http://127.0.0.1:9000/

Submission Date: 28/06/2023

Submitted to: Data Glacier

In this assignment, the same dataset file but changed the data inside of it as illustrated in figure 1. The flask implementation was understood using flask deployment videos provided. the index.html file attached to the google drive was also used to apply the web app layout.

The model.py file provided utilizes the dataset to train a regression model model.pkl. it was used to train/test the model with the pricelist dataset. In myapp.py (the python app file containing the flask app) two functions were implemented, home function and predict function. Final features were acquired from initial features to be used in model predictions. The output variable rounds the model result to two decimal points and the predict function returns the result on the web application.

Figure 1 demonstrates the implemented code to build the application. As requested, simple small dataset was used. However, if the project was to be implemented again, cab data from week 3 can be used as it is a viable data for this project. Flask library was downloaded using terminal command: pip install flask.

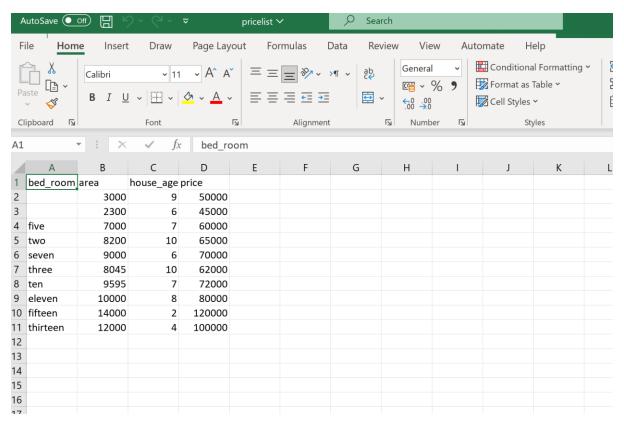


Fig 1: dataset file preview.

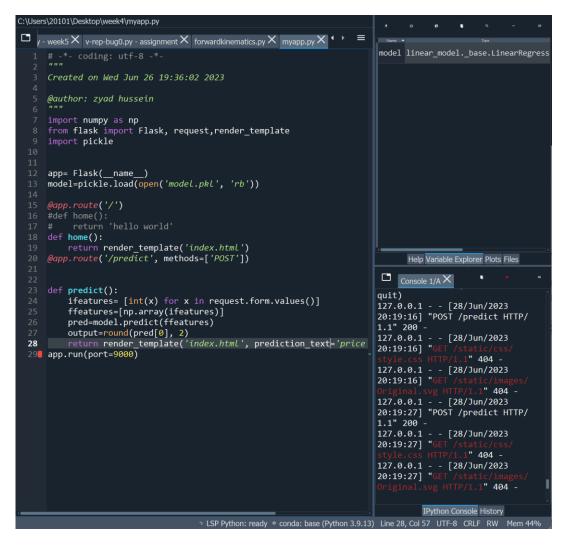


Fig 2: flask code implementation.

Figure 3 demonstrates the modifications of model.py file to aid in the training/testing of the regression model used.

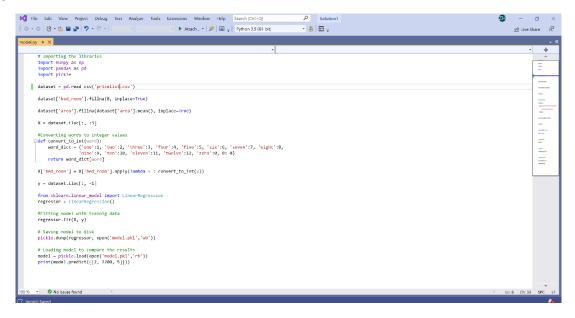


Fig 3: model.py modified.

Figure 4 illustrates the output of the implemented flask code to build the web application without the style.css file.

Predict House Price

Number of Rooms	Area (in square feet)	House Age	Predict
price is 50266.97			

Company Logo

Fig 4: web application implementation without css styling file.

Figure 5 reveals the web application implementation alongside the styling css code.

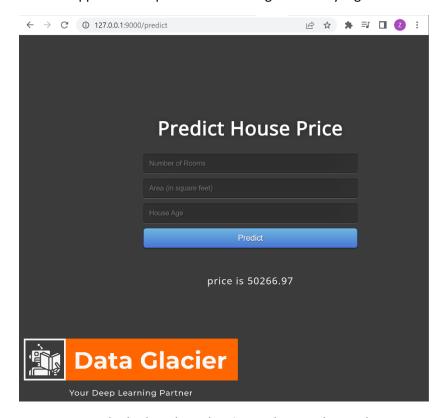


Fig 5: the built web application with css styling code.