

## Week 4: Deployment on Flask

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Batch Code: LISUM11

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Submitted to: GitHub

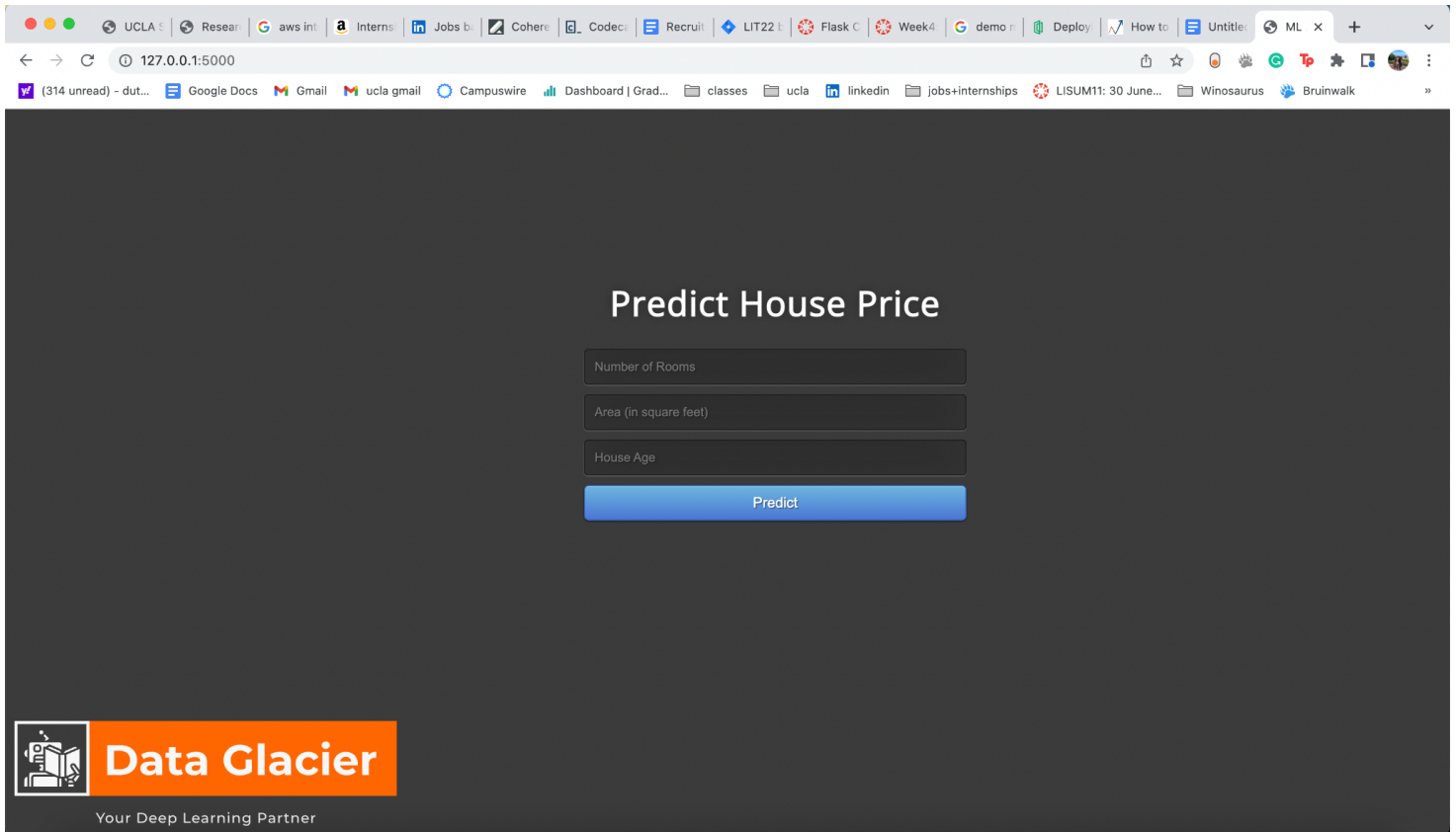
### 1. Terminal commands: setting up a virtual environment, downloading the requirements, running flask to deploy the app

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week4 — python • flask run — 163x51

Last login: Tue Aug  2 16:17:31 on ttys000
(base) anveshadutta@Anveshas-MacBook-Pro week4 % source env/bin/activate
(env) (base) anveshadutta@Anveshas-MacBook-Pro week4 % pip install -r requirements.txt
Requirement already satisfied: Flask==1.1.1 in ./env/lib/python3.9/site-packages (from -r requirements.txt (line 1)) (1.1.1)
Requirement already satisfied: gunicorn==19.9.0 in ./env/lib/python3.9/site-packages (from -r requirements.txt (line 2)) (19.9.0)
Requirement already satisfied: itsdangerous==1.1.0 in ./env/lib/python3.9/site-packages (from -r requirements.txt (line 3)) (1.1.0)
Requirement already satisfied: Jinja2==2.10.1 in ./env/lib/python3.9/site-packages (from -r requirements.txt (line 4)) (2.10.1)
Requirement already satisfied: MarkupSafe==1.1.1 in ./env/lib/python3.9/site-packages (from -r requirements.txt (line 5)) (1.1.1)
Requirement already satisfied: Werkzeug==0.15.5 in ./env/lib/python3.9/site-packages (from -r requirements.txt (line 6)) (0.15.5)
Requirement already satisfied: numpy>=1.9.2 in ./env/lib/python3.9/site-packages (from -r requirements.txt (line 7)) (1.23.1)
Requirement already satisfied: scipy>=0.15.1 in ./env/lib/python3.9/site-packages (from -r requirements.txt (line 8)) (1.9.0)
Requirement already satisfied: scikit-learn>=0.18 in ./env/lib/python3.9/site-packages (from -r requirements.txt (line 9)) (1.1.1)
Requirement already satisfied: matplotlib>=1.4.3 in ./env/lib/python3.9/site-packages (from -r requirements.txt (line 10)) (3.5.2)
Requirement already satisfied: pandas>=0.19 in ./env/lib/python3.9/site-packages (from -r requirements.txt (line 11)) (1.4.3)
Requirement already satisfied: click>=5.1 in ./env/lib/python3.9/site-packages (from Flask==1.1.1->-r requirements.txt (line 1)) (8.1.3)
Requirement already satisfied: joblib>=1.0.0 in ./env/lib/python3.9/site-packages (from scikit-learn>=0.18->-r requirements.txt (line 9)) (1.1.0)
Requirement already satisfied: threadpoolctl>=2.0.0 in ./env/lib/python3.9/site-packages (from scikit-learn>=0.18->-r requirements.txt (line 9)) (3.1.0)
Requirement already satisfied: fonttools>=4.22.0 in ./env/lib/python3.9/site-packages (from matplotlib>=1.4.3->-r requirements.txt (line 10)) (4.34.4)
Requirement already satisfied: kiwisolver>=1.0.1 in ./env/lib/python3.9/site-packages (from matplotlib>=1.4.3->-r requirements.txt (line 10)) (1.4.4)
Requirement already satisfied: python-dateutil>=2.7 in ./env/lib/python3.9/site-packages (from matplotlib>=1.4.3->-r requirements.txt (line 10)) (2.8.2)
Requirement already satisfied: packaging>=20.0 in ./env/lib/python3.9/site-packages (from matplotlib>=1.4.3->-r requirements.txt (line 10)) (21.3)
Requirement already satisfied: cycler>=0.10 in ./env/lib/python3.9/site-packages (from matplotlib>=1.4.3->-r requirements.txt (line 10)) (0.11.0)
Requirement already satisfied: pyparsing>=2.2.1 in ./env/lib/python3.9/site-packages (from matplotlib>=1.4.3->-r requirements.txt (line 10)) (3.0.9)
Requirement already satisfied: pillow>=6.2.0 in ./env/lib/python3.9/site-packages (from matplotlib>=1.4.3->-r requirements.txt (line 10)) (9.2.0)
Requirement already satisfied: pytz>=2020.1 in ./env/lib/python3.9/site-packages (from pandas>=0.19->-r requirements.txt (line 11)) (2022.1)
Requirement already satisfied: six>=1.5 in ./env/lib/python3.9/site-packages (from python-dateutil>=2.7->matplotlib>=1.4.3->-r requirements.txt (line 10)) (1.16.0)
WARNING: You are using pip version 21.2.3; however, version 22.2.1 is available.
You should consider upgrading via the '/Users/anveshadutta/Desktop/data_glacier/week4/env/bin/python -m pip install --upgrade pip' command.
(env) (base) anveshadutta@Anveshas-MacBook-Pro week4 % export FLASK_APP=app.py
(env) (base) anveshadutta@Anveshas-MacBook-Pro week4 % flask run
* Serving Flask app "app.py" (lazy loading)
* Environment: development
* Debug mode: on
* Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
* Restarting with stat
* Debugger is active!
* Debugger PIN: 192-640-773
127.0.0.1 - - [02/Aug/2022 16:50:22] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [02/Aug/2022 16:50:22] "GET /static/images/Original.svg HTTP/1.1" 200 -
127.0.0.1 - - [02/Aug/2022 16:50:22] "GET /static/css/style.css HTTP/1.1" 200 -
```

## 2. App deployed after pasting the link URL on chrome



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127.0.0.1:5000

(314 unread) - dut... Google Docs Gmail ucla gmail Campuswire Dashboard | Grad... classes ucla linkedin jobs+internships LISUM11: 30 June... Winosaurus Bruinwalk


### Predict House Price

Number of Rooms

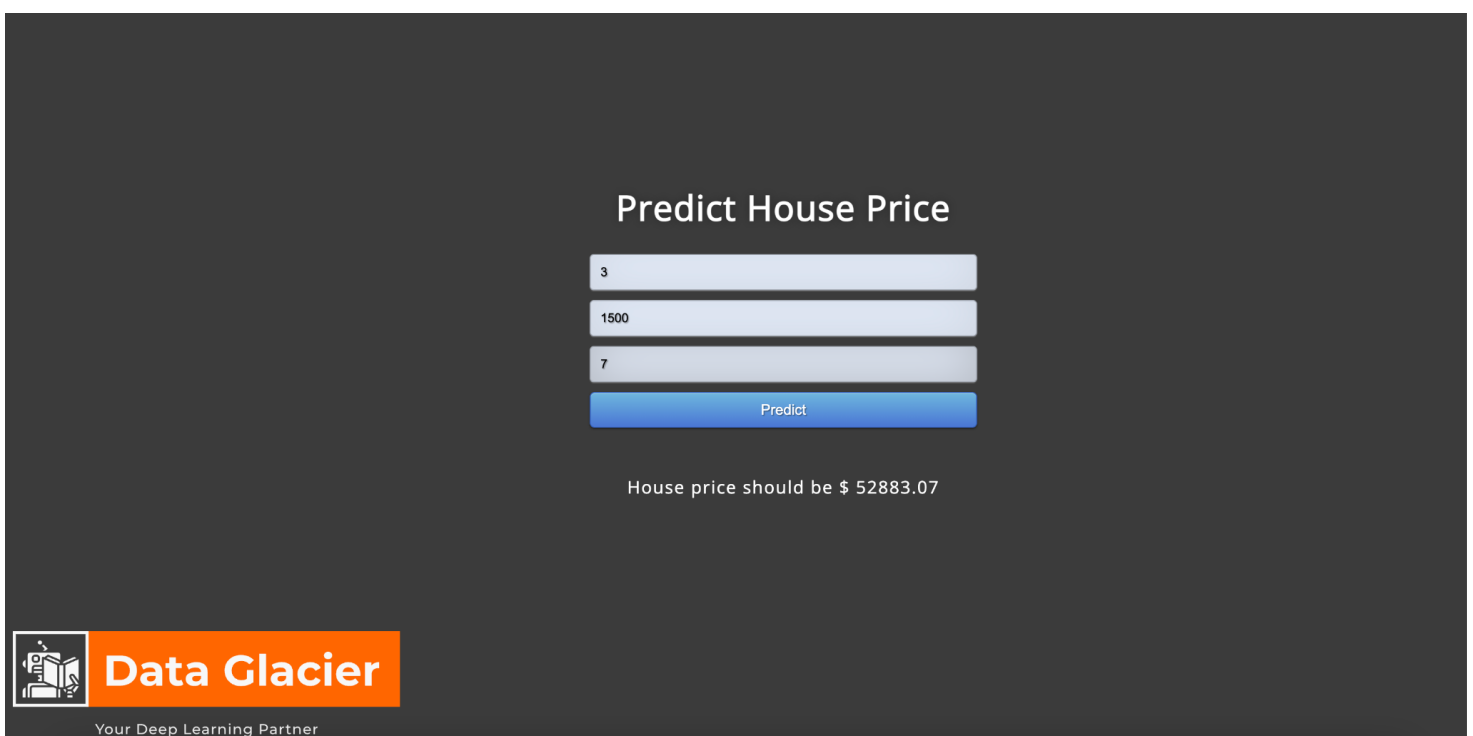
Area (in square feet)

House Age

Predict

 **Data Glacier**  
Your Deep Learning Partner

## 3. Using the app



### Predict House Price


3

1500

7

Predict

House price should be \$ 52883.07

 **Data Glacier**  
Your Deep Learning Partner