

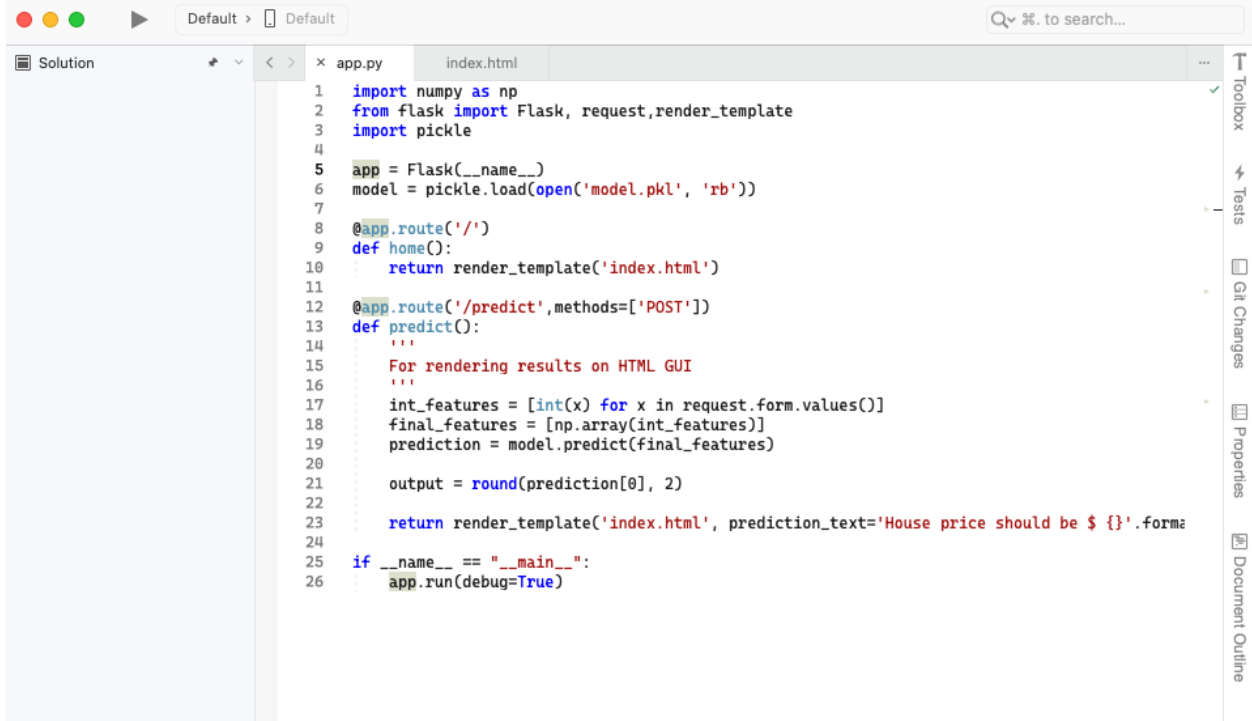
Week 4 Report

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Batch Code: LISUM16

Submission date: 12/22/2022

Submitted to: Data Glacier



```
1 import numpy as np
2 from flask import Flask, request, render_template
3 import pickle
4
5 app = Flask(__name__)
6 model = pickle.load(open('model.pkl', 'rb'))
7
8 @app.route('/')
9 def home():
10     return render_template('index.html')
11
12 @app.route('/predict', methods=['POST'])
13 def predict():
14     '''
15     For rendering results on HTML GUI
16     '''
17     int_features = [int(x) for x in request.form.values()]
18     final_features = [np.array(int_features)]
19     prediction = model.predict(final_features)
20
21     output = round(prediction[0], 2)
22
23     return render_template('index.html', prediction_text='House price should be $ {}'.format(output))
24
25 if __name__ == "__main__":
26     app.run(debug=True)
```

```
Last login: Tue Dec 20 18:19:57 on ttys001
(base) jazluo@Simins-MacBook-Air ~ % cd Desktop
(base) jazluo@Simins-MacBook-Air Desktop % cd "Data Glacier"
(base) jazluo@Simins-MacBook-Air Data Glacier % cd "week 4"
(base) jazluo@Simins-MacBook-Air week 4 % cd "Deployment Flask"
(base) jazluo@Simins-MacBook-Air Deployment Flask % python app.py
 * Serving Flask app "app" (lazy loading)
 * Environment: production
   WARNING: This is a development server. Do not use it in a production deployment.
   Use a production WSGI server instead.
 * Debug mode: on
 * Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
 * Restarting with watchdog (fsevents)
 * Debugger is active!
```

ML API

127.0.0.1:5000


Predict House Price

10

100

30

Predict



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ML API

127.0.0.1:5000/predict

Predict House Price


Number of Rooms

Area (in square feet)

House Age

Predict

House price should be \$ 112692.85



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