

Name: Corey Hamren  
Batch Code: LISUM03  
Submission Date: 09/17/2021

Flask app -

```
import pandas as pd

app = Flask(__name__)
model=pickle.load(open('Model/model.pickle', 'rb'))

@app.route('/', methods=['GET', 'POST'])
def home():
    return render_template('index.html')
    #if(request.method == 'GET'):
    #    #data = 'Hello'
    #    #return jsonify({'data':data})

@app.route('/predict/', methods=['GET', 'POST'])
def predict():
    float_features = [float(x) for x in request.form.values()]
    final_features = [np.array(float_features)]
    pred = model.predict(final_features)
    output = round(pred[0], 2)
    return render_template('index.html', prediction_text = 'Housing price prediction: ${}'.format(output))

@app.route('/api/')
def api():
    bedrooms = request.args.get('bedrooms')
    bathrooms = request.args.get('bathrooms')
    sqft = request.args.get('sqft_living')
    floors = request.args.get('floors')
    condition = request.args.get('condition')

    df = pd.DataFrame({'Bedrooms':[bedrooms], 'Bathrooms':[bathrooms], 'SqFt': [sqft], 'Floors':[floors], 'Condition': [condition]})
    df_pred = model.predict(df)

    output = jsonify({'House Price':str(df_pred)})

    return output

if __name__ == "__main__":
    app.run(debug=True)
```

## Heroku app -




← → ↻ <https://shrouded-meadow-77059.herokuapp.com/predict/> My Home | Codecademy | GitHub | Fidelity Investments | Dashboard - DEV Com... | Python Data Science ... | Corey Hamren | Contri... | Dashboard - EdClub | Corey Hamren | LinkedIn | Portfolio | Robinhood | Other Bookm

### Housing Price Predictor for King County, Washington

This model uses information from a housing database from 2014-2015 to predict the price of a house in King Country. If only houses were still at these prices!

**Housing price prediction: \$106558.98**

## Heroku -

 Personal >  shrouded-meadow-77059  [Open app](#)

[Overview](#) [Resources](#) [Deploy](#) [Metrics](#) [Activity](#) [Access](#) [Settings](#)

Installed add-ons **\$0.00/month** [Configure Add-ons](#)

There are no add-ons for this app



You can add add-ons to this app and they will show here. [Learn more](#)



Dyno formation **\$0.00/month** [Configure Dynos](#)



This app is using free dynos



web	gunicorn app:app	ON
-----	------------------	----

Latest activity

  hamhams86@gmail.com: Deployed **f155e8b1**  
Today at 11:15 AM · v5

  hamhams86@gmail.com: Build succeeded  
Today at 11:12 AM · [View build log](#)

  hamhams86@gmail.com: Build failed  
Today at 11:09 AM · [View build log](#)

  hamhams86@gmail.com: Deployed **f28bdb66**  
Sep 13 at 8:25 PM · v4

# Postman Home -

My Workspace

NewImport

Overview

GET http://127.0.0.1:5000/

+

...

No Environment

▼

🔗

Collections

+

...

APIs

Environments

Mock Servers

Monitors

History

You don't have any collections

Collections let you group related requests, making them easier to access and run.

Create Collection

http://127.0.0.1:5000/

Save

✎

📄

</>

GET

▼

http://127.0.0.1:5000/

Send

▼

🔗

Params

Authorization

Headers (6)

Body

Pre-request Script

Tests

Settings

Cookies

Query Params

KEY	VALUE	DESCRIPTION	...	Bulk Edit
Key	Value	Description		

Body

Cookies

Headers (4)

Test Results

Status: 200 OK

Time: 5 ms

Size: 1.57 KB

Save Response

▼

Pretty

Raw

Preview

Visualize

## Housing Price Predictor for King County, Washington

This model uses information from a housing database from 2014-2015 to predict the price of a house in King County. If only houses were still at these prices!

Number of bedrooms

Number of bathrooms

Living area square feet

Number of floors

Condition of house (1 - 5)

Predict

🔍 Find and Replace

📄 Console

All Logs

▼

Clear

🔗

...

📄

✕

→ GET http://127.0.0.1:5000/

200

5 ms

# Postman Heroku API -

My Workspace

NewImport

Overview

GET http://127.0.0.1:5000/...

+

...

No Environment

▼

👁

Collections

+

...

APIs

Environments

Mock Servers

Monitors

History

You don't have any collections

Collections let you group related requests, making them easier to access and run.

Create Collection

http://127.0.0.1:5000/api/?bedrooms=2&bathrooms=1.5&sqft\_living=1234&floors=1.5&condition=3

Save

▼

✎

📄

</>

GET

▼

http://127.0.0.1:5000/api/?bedrooms=2&bathrooms=1.5&sqft\_living=1234&floors=1.5&condition=3

Send

▼

💡

Params

Authorization

Headers (6)

Body

Pre-request Script

Tests

Settings

Cookies

Query Params

KEY	VALUE	DESCRIPTION	...	Bulk Edit
<input checked="" type="checkbox"/> bedrooms	2			
<input checked="" type="checkbox"/> bathrooms	1.5			
<input checked="" type="checkbox"/> sqft_living	1234			
<input checked="" type="checkbox"/> floors	1.5			
<input checked="" type="checkbox"/> condition	3			
Key	Value	Description		

Body

Cookies

Headers (4)

Test Results

⊕

Status: 200 OK

Time: 4 ms

Size: 181 B

Save Response

▼

Pretty

Raw

Preview

Visualize

📄

🔍

{ "House Price": "[347926,91044712]" }

⏏

🔍 Find and Replace

Console

All Logs

▼

Clear

📄

...

📄

✕

• GET http://127.0.0.1:5000/ 200 5 ms

• GET http://127.0.0.1:5000/api/?bedrooms=2&bathrooms=1.5&sqft=1234&floors=1.5&condition=3 500 7 ms

• GET http://127.0.0.1:5000/api/?bedrooms=2&bathrooms=1.5&sqft\_living=1234&floors=1.5&condition=3 200 4 ms