

TEAM ID: PNT2022TMID28087

PROJECT NAME: Demand Est - AI powered Food Demand Forecaster

PYTHON CODE

```
# import the necessary packages
import pandas as pd
import numpy as np
import pickle
import os
from flask import Flask, request, render_template
app = Flask(__name__, template_folder="templates")
@app.route('/', methods=['GET'])
def index():
    return render_template('home.html')
@app.route('/home', methods=['GET'])
def about():
    return render_template('home.html')
@app.route('/pred', methods=['GET'])
def page():
    return render_template('upload.html')
@app.route('/predict', methods=['GET', 'POST'])
def predict():
    print("[INFO] loading model...")
    model = pickle.load(open('fdemand.pkl', 'rb'))
    input_features = [float(x) for x in request.form.values()]
    features_value = [np.array(input_features)]
    print(features_value)

    features_name = ['homepage_featured', 'emailer_for_promotion', 'op_area',
                    'cuisine',
                    'city_code', 'region_code', 'category']
    prediction = model.predict(features_value)
    output = prediction[0]
    print(output)
    return render_template('upload.html', prediction_text=output)

if __name__ == '__main__':
    app.run(debug=False)
```