

SPRINT 4:

Routing To The Html Page

Team ID	PNT2022TMID51161
Project Name	AI-powered Nutrition Analyzer for Fitness Enthusiasts

```
from flask import Flask, render_template, request
import os
import numpy as np
from tensorflow.keras.model import load_model
from tensorflow.keras.preprocessing import image
app = Flask(__name__, template_folder='templates')
print('Loaded model from disk')
model = load_model('Nutrition Analyzer.h5')
@app.route('/')
def home():
    return render_template('home.html')
@app.route('/image', methods = ['GET', 'POST'])
def image():
    return render_template('image.html')
@app.route('/route', methods = ['GET', 'POST'])
def launch():
    if request.method == 'POST':
        f=request.files['file']
        basepath = os.path.dirname('__file__')
        filepath = os.path.join(basepath, "uploads", f.filename)
        f.save(filepath)

        img = image.load_img(filepath, target_size=(64, 64))
        x = image.img_to_array(img)
        x = np.expand_dims(x, axis=0)

        pred = np.argmax(model.predict(x), axis=1)
        print("prediction", pred)
        index = ['APPLES', 'BANANA', 'ORANGE', 'PINEAPPLE', 'WATERMELON']
        result = str(index[pred[0]])

        x = result
        print(x)
        print(result)
        return render_template("imageprediction.html", showcase=(result),
showcase1=(x))
if __name__ == "__main__":
    app.run(debug=False)
```