

Project Development

Phase Delivery of Sprint - 4

Date	17 November 2022
Team ID	PNT2022TMID30319
Project Name	FERTILIZERS RECOMMENDATION SYSTEM FOR DISEASE PREDICTION

TESTING

Testing the application function

The screenshot shows the Visual Studio Code interface with the following components:

- EXPLORER:** Shows the file structure with folders for 'OPEN EDITORS', 'PLANT', and 'templates'.
- app.py:** The main Python file being edited, containing the following code:


```

1 #Import necessary libraries
2 from flask import Flask, render_template, request, url_for
3
4 import numpy as np
5 import os
6 import requests
7 from tensorflow.keras.preprocessing import image
8 from tensorflow.keras.preprocessing.image import load_img
9 from tensorflow.keras.preprocessing.image import img_to_array
10 from tensorflow.keras.models import load_model
11 from werkzeug.utils import secure_filename
12 import pandas as pd
13 from PIL import Image
14
15
16 model = load_model(r"Uploads\Vegetable .h5")
      
```
- TERMINAL:** Shows the output of the application, including the following log messages:


```

25aa6094-5f2e-4551-9349-a3fe0edd3b92__RS_HL_7296.JPG
fruit
Apple__healthy
Yaayy!! Your apple plant is healthy. But, maintain the soil pH of 6.0 to 7.0 for healthy grow
th. Avoid planting apples in a low spot where cold air or frost can settle.
127.0.0.1 - - [18/Nov/2022 16:12:15] "POST /predict HTTP/1.1" 200 -
25aa6094-5f2e-4551-9349-a3fe0edd3b92__RS_HL_7296.JPG
fruit
Apple__healthy
Yaayy!! Your apple plant is healthy. But, maintain the soil pH of 6.0 to 7.0 for healthy growth. Avoid planting apples in a low spot where cold ai
r or frost can settle.
127.0.0.1 - - [18/Nov/2022 16:12:16] "POST /predict HTTP/1.1" 200 -
127.0.0.1 - - [18/Nov/2022 16:12:16] "GET /static/upload/25aa6094-5f2e-4551-9349-a3fe0edd3b92__RS_HL_7296.JPG HTTP/1.1" 304 -
127.0.0.1 - - [18/Nov/2022 16:12:16] "GET /static/upload/Vector.png HTTP/1.1" 304 -
127.0.0.1 - - [18/Nov/2022 16:12:17] "GET /static/upload/Vector%20(1).png HTTP/1.1" 304 -
127.0.0.1 - - [18/Nov/2022 16:12:17] "GET /static/images/green-wall-mockup-with-green-plant-shelf3d-rendering.jpg HTTP/1.1" 304 -
      
```

Test the web application as a user

