

Project Structure

Date	16 November 2022
Team id	PNT2022TMID38733
Project name	Fertilizer recommendationsystem for disease prediction
Maximum marks	4 marks

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

- Menu Bar:** File, Edit, Selection, View, Go, Run, Terminal, Help.
- Explorer (Left Sidebar):**
 - FINAL_CODE
 - static
 - css
 - 1.jpg
 - b4.jpg
 - download (2).jiff
 - front.jpg
 - grid.css
 - material-design-iconic-font.min...
 - normalize.css
 - style.css
 - styleSucc.css
 - images
 - templates
 - home.html
 - index.html
 - predict.html
 - rech.html
 - success.html
 - app.py (selected)
 - model.hdf5

- Main Editor:**
- app.py


```

1  import os
2  import urllib
3  import uuid
4
5  import flask
6  from flask import Flask, render_template, request, send_file
7  from PIL import Image
8  from tensorflow.keras.models import load_model
9  from tensorflow.keras.preprocessing.image import img_to_array
10
11 # create a flask object
12 app = Flask(__name__)
13
14 # load the model
15 BASE_DIR = os.path.dirname(os.path.abspath(__file__))
16 model = load_model(os.path.join(BASE_DIR, 'model.hdf5'))
17
18 # create file extension test function
19 ALLOWED_EXT = set(['jpg', 'jpeg', 'png', 'jiff'])
20
21
22 def allowed_file(filename):
23     """
24     check the file fits the allowed extensions.
25     """
26     return '.' in filename and \
27         filename.rsplit('.', 1)[1] in ALLOWED_EXT
28
29
30
31
32
33
34
35
36
37
38
39
40
          
```
- Right Sidebar (Templates):**
- index.html


```

1  <!DOCTYPE html>
2  <html lang="eng">
3
4
5  <head>
6      <meta charset="UTF-8">
7      <meta name="viewport" content="width=device-width, initial
8      <!-- <link rel="stylesheet" href="../static/css/normalize.
9      <!-- <link rel="stylesheet" href="../static/css/grid.css">
10     <link rel="stylesheet" href="../static/css/style.css">
11
12     <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.c
13     <script src="https://ajax.googleapis.com/ajax/libs/jquery
14     <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4
15     <link href="https://fonts.googleapis.com/css2?family=Lato
16         rel="stylesheet" type="text/css">
17     <title>Image Classification WebApp</title>
18     <meta name="keywords" content="cutom file input, styling,
19
20
21     <style>
22         .content {
23             max-width: 500px;
24             margin: auto;
25         }
26
27         body {
28             width: 100%;
29             height: 100vh;
30             background-image: linear-gradient(rgb(0, 0, 0, 0
31             background-size: cover;
32             overflow: hidden;
33             background-position: center;
34             background-repeat: no-repeat;
35         }
36     </style>
37
38 </head>
39
40 <body>
41     <div class=""
          
```
- Bottom Status Bar:**
- Ln 37, Col 1
- Spaces: 4
- UTF-8
- CRLF
- Python
- 3.11.0 64-bit
- lkte: not installed