SPRINT 3

Date	14 November 2022
Team ID	PNT2022TMID31803
Project Name	Project – Early Detection of Chronic Kidney Disease using Machine Learning

In this sprint we are doing local deployment

- **App.py Code Screen**

App.py - C:\Users\ELCOT\Downloads\App.py (3.9.2)

File Edit Format Run Options Window Help

```python
import numpy as np
import pandas as pd
from flask import Flask, request, render_template
import pickle

app = Flask(__name__)
model = pickle.load(open('CKD.pkl', 'rb'))


@app.route('/')
def home():
    return render_template('home.html')


@app.route('/Prediction', methods=['POST', 'GET'])
def prediction():
    return render_template('indexnew.html')


@app.route('/Home', methods=['POST', 'GET'])
def my_home():
    return render_template('home.html')


@app.route('/predict', methods=['POST'])
def predict():
    #input_features = ([int(x) for x in request.form.values()])
    blood_urea = request.form["blood_urea"]
    blood_glucose_random = request.form["blood_glucose_random"]
    anemia = request.form["Anemia"]
    if (anemia == "no"):
        anemia = 0
    if (anemia == "yes"):
        anemia = 1
    coronary_artery_disease = request.form["coronary_artery_disease"]
    if (coronary_artery_disease == "no"):
        coronary_artery_disease = 0
    if(coronary_artery_disease == "yes"):
        coronary_artery_disease = 1

    pus_cell = request.form["pus_cell"]
```
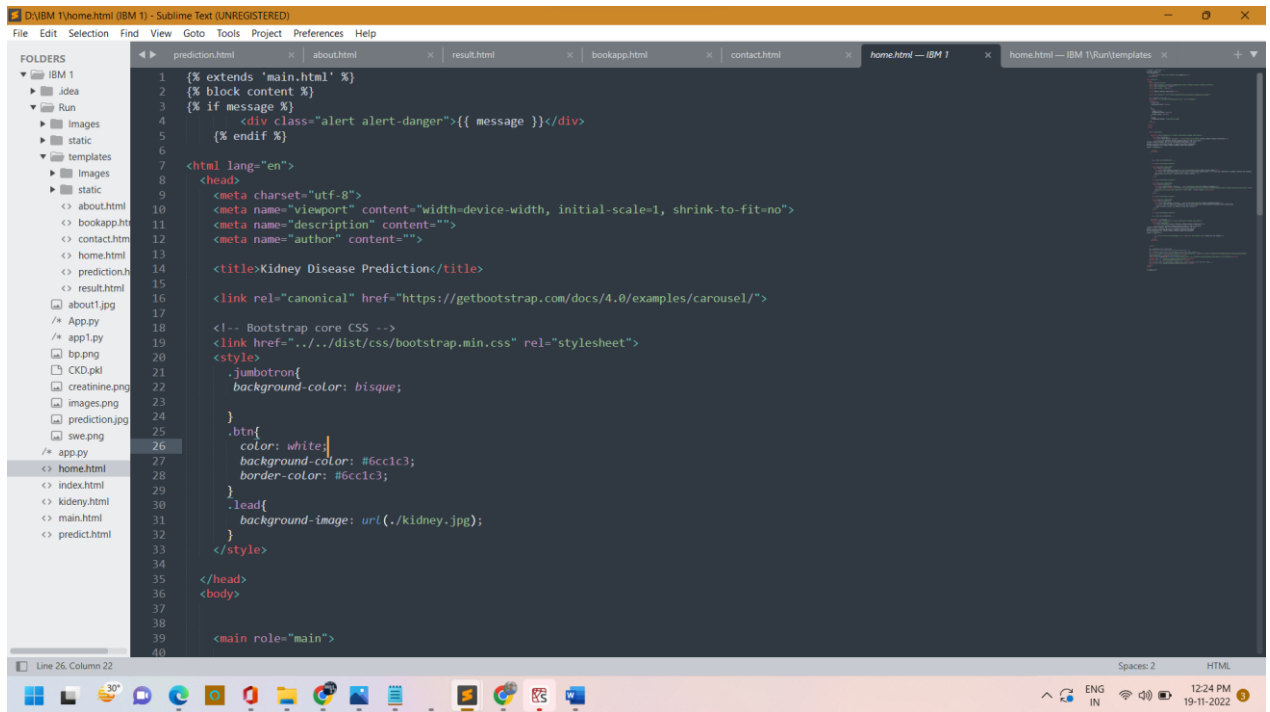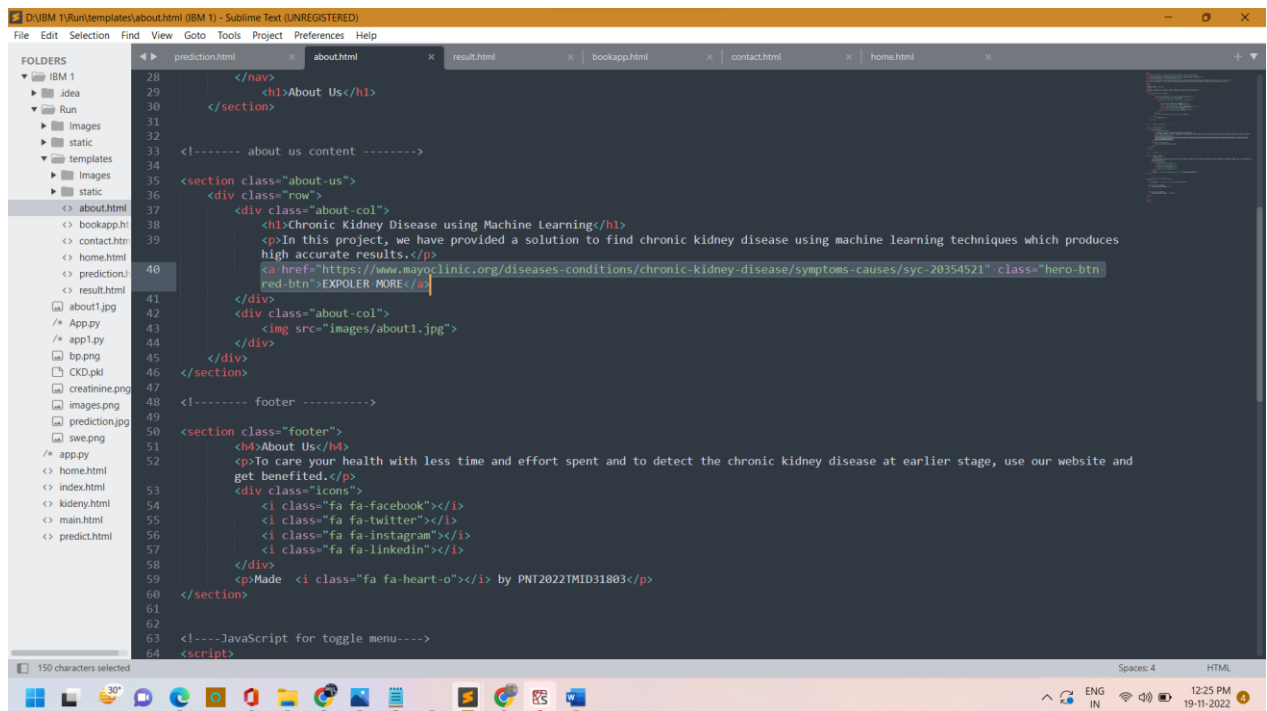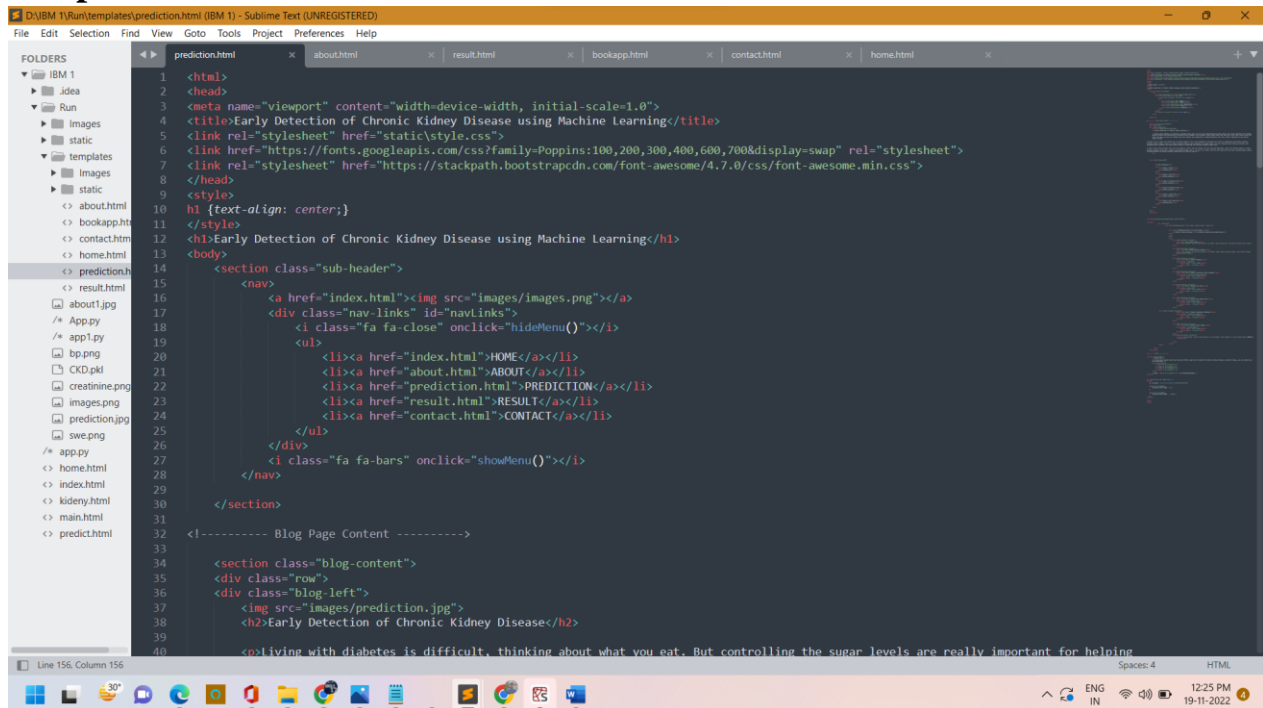
- **home.html Code Screen**

- **about.html Code Screen**

- **prediction.html Code Screen**

File   Edit   Selection   Find   Goto   Tools   Project   Preferences   Help

```html
<html>
<head>
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Early Detection of Chronic Kidney Disease using Machine Learning</title>
<link rel="stylesheet" href="static\style.css">
<link href="https://fonts.googleapis.com/css?family=Poppins:100,200,300,400,600,700&display=swap" rel="stylesheet">
<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css">
</head>
<style>
h1 {text-align: center;}
</style>
<h1>Early Detection of Chronic Kidney Disease using Machine Learning</h1>
<body>
    <section class="sub-header">
        <nav>
            <a href="index.html"><img src="images/images.png"></a>
            <div class="nav-links" id="navLinks">
                <i class="fa fa-close" onclick="hideMenu()"></i>
                <ul>
                    <li><a href="index.html">HOME</a></li>
                    <li><a href="about.html">ABOUT</a></li>
                    <li><a href="prediction.html">PREDICTION</a></li>
                    <li><a href="result.html">RESULT</a></li>
                    <li><a href="contact.html">CONTACT</a></li>
                </ul>
            </div>
            <i class="fa fa-bars" onclick="showMenu()"></i>
        </nav>

    </section>

<!---------- Blog Page Content ---------->

    <section class="blog-content">
    <div class="row">
    <div class="blog-left">
        <img src="images/prediction.jpg">
        <h2>Early Detection of Chronic Kidney Disease</h2>

        <p>Living with diabetes is difficult, thinking about what you eat. But controlling the sugar levels are really important for helping
```
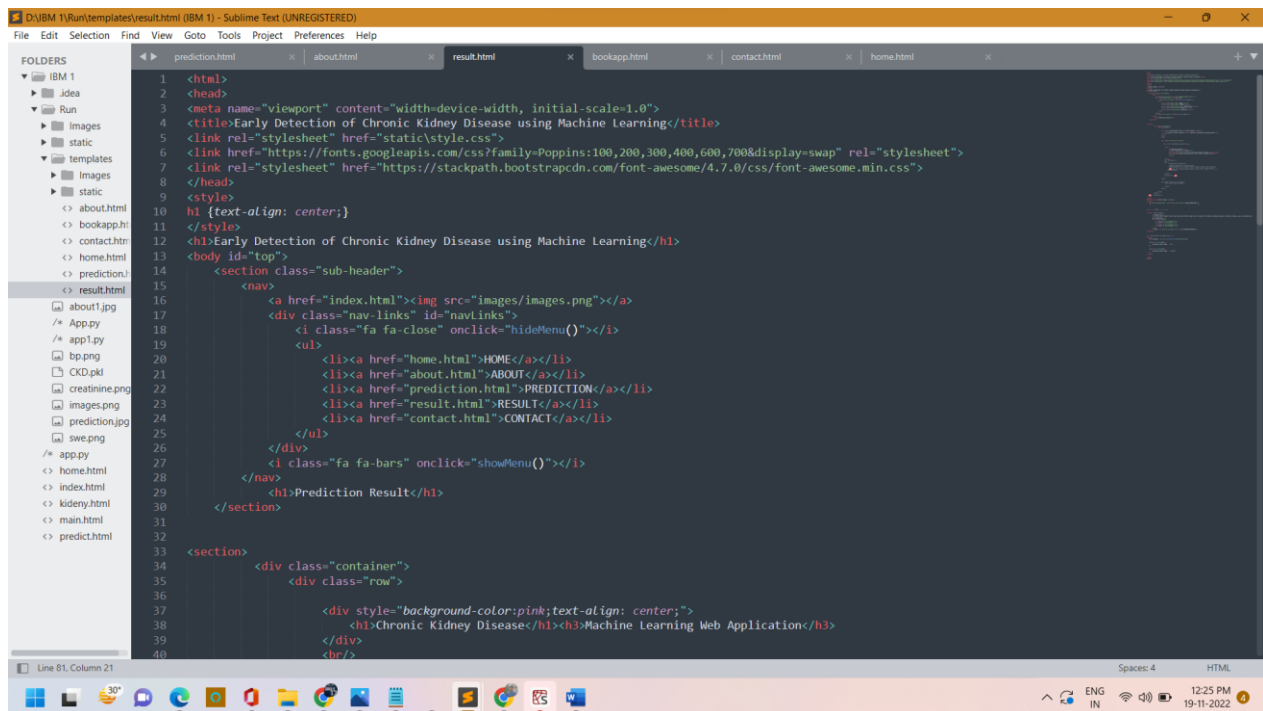
Line 156, Column 156   Spaces: 4   HTML

- **result.html Code Screen**

File   Edit   Selection   Find   Goto   Tools   Project   Preferences   Help

```html
<html>
<head>
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Early Detection of Chronic Kidney Disease using Machine Learning</title>
<link rel="stylesheet" href="static\style.css">
<link href="https://fonts.googleapis.com/css?family=Poppins:100,200,300,400,600,700&display=swap" rel="stylesheet">
<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css">
</head>
<style>
h1 {text-align: center;}
</style>
<h1>Early Detection of Chronic Kidney Disease using Machine Learning</h1>
<body id="top">
    <section class="sub-header">
        <nav>
            <a href="index.html"><img src="images/images.png"></a>
            <div class="nav-links" id="navLinks">
                <i class="fa fa-close" onclick="hideMenu()"></i>
                <ul>
                    <li><a href="home.html">HOME</a></li>
                    <li><a href="about.html">ABOUT</a></li>
                    <li><a href="prediction.html">PREDICTION</a></li>
                    <li><a href="result.html">RESULT</a></li>
                    <li><a href="contact.html">CONTACT</a></li>
                </ul>
            </div>
            <i class="fa fa-bars" onclick="showMenu()"></i>
        </nav>
            <h1>Prediction Result</h1>
    </section>


<section>
        <div class="container">
            <div class="row">

                <div style="background-color:pink;text-align: center;">
                    <h1>Chronic Kidney Disease</h1><h3>Machine Learning Web Application</h3>
                </div>
                <br/>
```

Line 81, Column 21   Spaces: 4   HTML

- **contact.html Code Screen**

bookapp.html Code Screen

LOCAL DEPLOYMENT SCREEN:


```
base) C:\Users\GOKUL\Desktop\IBM\Run>python App.py
* Serving Flask app 'App'
* Debug mode: on
ARNING: This is a development server. Do not use it in a production deployment. Use a prod
* Running on http://localhost:5000
ress CTRL+C to quit
```

Stage 3B Moderate CKD   GFR=30-44mL/min

Stage 4 Severe CKD   GFR=15-29mL/min

Stage 5 End Stage CKD   GFR<15mL/min

Chronic Kidney Disease

Machine Learning Web Application

Blood Urea 55
Blood Glucose Random 5
Select Anemia yes
Select Coronary Artery Disease yes
Select Pus Cell no
Select Red Blood Cell yes
Select Diabetics Mellitus yes
Select Pedal Edema yes
PREDICT

About Us

To care your health with less time and effort spent and to detect the chronic kidney disease at earlier stage, use our website and get benefited.

Made♡ by PNT2022TMID31803

Early Detection of Chronic Kidney Disease using Machine Learning

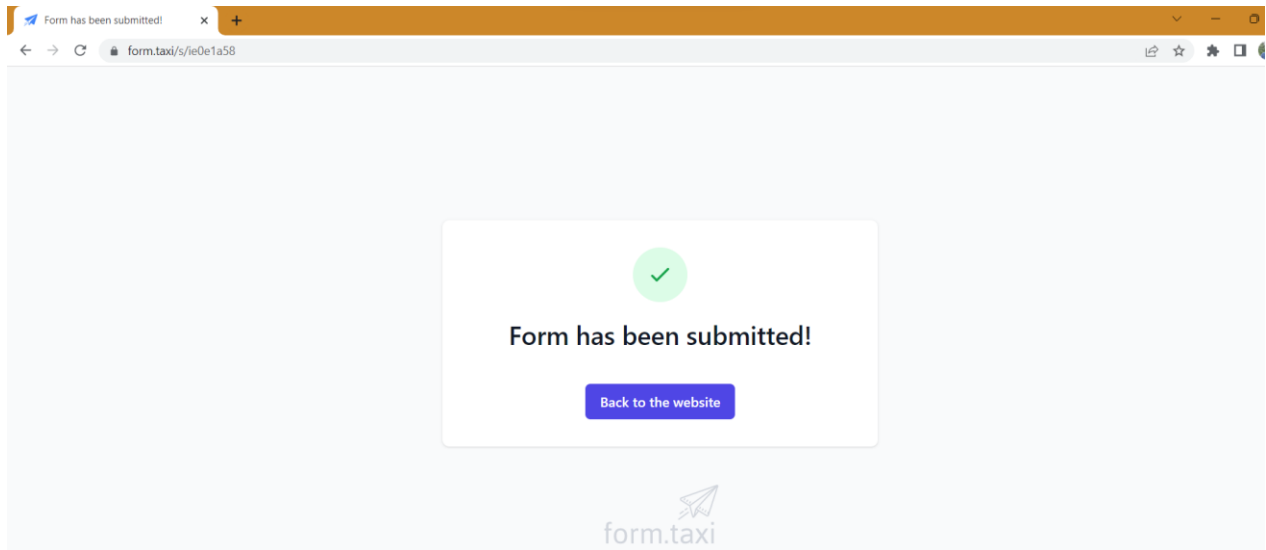HOME   ABOUT   PREDICTION   RESULT   CONTACT

Prediction Result

Chronic Kidney Disease

Machine Learning Web Application

BOOKAPPOINTMENT

Medical Result

Your Condition is normal.

You are not having chronic kidney disease.

About Us

BOOKAPPOINTMENT

form.taxi/s/ie0e1a58

✓

Form has been submitted!

Back to the website

form.taxi

BOOKING APPOINTMENT

localhost:63342/Run/templates/bookapp.html

For person

Name | Gokul R

Email address | gokulr23112001@gmail.cor | Phone number | 8973060178

Appointment request

Datum | 17 - 11 - 2022

☐ Morning ☑ Afternoon

Confirmation requested by

○ Email ● Phone call

Submit request