

Project Development Phase Delivery of Sprint 4

Date	05 November 2022
Team ID	PNT2022TMID30154
Project Name	Project - Early Detection of Chronic Kidney Disease

USN-3 : As a user, I can give my health condition status like BP etc.,

HTML Code for predictor page:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>PREDICTOR</title>
  <link rel="icon" type="image/x-icon" href="static/images/title.png">
  <link href="static/css/Predictor.css" rel="stylesheet" type="text/css" />

  <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/css/bootstrap.min.css"
  integrity="sha384-
TX8t27EcRE3e/ihU7zmQxVncDAy5uIKz4rEkGIXeMed4M0jlfIDPvg6uqKI2xXr2"
crossorigin="anonymous">

  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/5.10.0/css/all.min.css"
  integrity="sha512-
PgQMlq+nqFLV4ylk1gwU0gm6CtIIXkKwaIHp/PAIWHzig/1KZSEGKEysh0TCVbHJXCLN7WetD8TFec
Iky75ZfQ=="
  crossorigin="anonymous" />
</head>

<body id='top'>
  <section class="header_menu" id="header_menu" >
    <div class="container-fluid px-0 shadow">
      <nav class="navbar navbar-expand-lg navbar-light bg-white py-1">
        <a class="navbar-brand pl-5 pl-small-0" >
          
        </a>
        <button class="navbar-toggler" type="button" data-
toggle="collapse" data-target="#navbarSupportedContent"
          aria-controls="navbarSupportedContent" aria-
expanded="false" aria-label="Toggle navigation">
          <span class="navbar-toggler-icon"></span>
      </nav>
    </div>
  </section>
</body>
```

```

        </button>
        <div class="collapse navbar-collapse"
id="navbarSupportedContent">
            <ul class="navbar-nav">
                <li class="nav-item">
                    <a class="nav-link" href="/home"
style="color:rgba(19, 88, 179, 0.795)">HOME </a>
                </li>
            </ul>
        </div>
    </nav>
</div>
</section>

<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"
integrity="sha384-
DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
crossorigin="anonymous"></script>
<script
src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js"
integrity="sha384-
9/reFTGAw83EW2RDu2S0VKaIzap3H66lZH81PoYlFhbGU+6BZp6G7niu735Sk7lN"
crossorigin="anonymous"></script>
<script
src="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/js/bootstrap.min.js"
integrity="sha384-
w1Q4orYjBQndcko6MimVbzY0tgp4pWB41Z7lr30WKz0vr/aWKhXdBNmNb5D92v7s"
crossorigin="anonymous"></script>

<div class="container">

    <div class="title">CHECKOUT</div>
    <form action="/result" method="POST" source="CUSTOM" name="form">
        <div class="form1">
            <div class="input">
                <label for="AGE">AGE</label>
                <input type="number" name="AGE" min="1" max="120"
id="AGE" required >
            </div>

            <div class="input">
                <label for="BLOOD_UREA">BLOOD_UREA</label>
                <input type="number" name="BLOOD_UREA" min="0"
max="500" id="BLOOD_UREA" required>
            </div>

            <div class="input">

```

```

        <label
for="BLOOD_GLUCOSE_RANDOM">BLOOD_GLUCOSE_RANDOM</label>
        <input type="number" name="BLOOD_GLUCOSE_RANDOM"
min="0" max="999" id="BLOOD_GLUCOSE_RANDOM" required>
    </div>

    <div class="input">
        <label for="APPETITE">APPETITE</label>
        <select class="in" name="APPETITE" id="APPETITE"
required>
            <option value="" selected> Choose your
option</option>
            <option value="NO">GOOD</option>
            <option value="YES">POOR</option>
        </select>
    </div>

    <div class="input">
        <label for="ANEMIA">ANEMIA</label>
        <select class="in" name="ANEMIA" id="ANEMIA" required>
            <option value="" selected> Choose your
option</option>
            <option value="YES">YES</option>
            <option value="NO">NO</option>
        </select>
    </div>

    <div class="input">
        <label
for="CORONARY_ARTERY_DISEASE">CORONARY_ARTERY_DISEASE</label>
        <select class="in" name="CORONARY_ARTERY_DISEASE"
id="CORONARY_ARTERY_DISEASE" required>
            <option value="" selected> Choose your
option</option>
            <option value="YES">YES</option>
            <option value="NO">NO</option>
        </select>
    </div>

    <div class="input">
        <div id="hlo">
            <label for="PUS_CELL">PUS_CELL</label>
            <div class="sub-menu">
                <ul>
                    <li>The normal range for pus cell is 0-
5</li>
                </ul>
            </div>
        </div>
    </div>

```

```

        </div>

        <select class="in" name="PUS_CELL" id="PUS_CELL"
required>
            <option value="" selected> Choose your
option</option>
            <option value="YES">NORMAL</option>
            <option value="NO">ABNORMAL</option>
        </select>
    </div>

    <div class="input" >
        <div id="hlo">
            <label for="RED_BLOOD_CELL">RED_BLOOD_CELL</label>
            <div class="sub-menu">
                <ul>
                    <li><sapn style="color: rgb(236, 225,
118);"> Normal RBC range:</sapn></li>
                    <li><sapn style="color: rgb(240, 243,
88);">Male:</sapn> 4.7 to 6.7 million cells/mcl</li>
                    <li><sapn style="color: rgb(240, 243,
88);">Female:</sapn> 4.2 to 5.4 million cells/mcl</li>
                </ul>
            </div>
        </div>
    </div>

    <select class="in" name="RED_BLOOD_CELL"
id="RED_BLOOD_CELL" required>
        <option value="" selected> Choose your
option</option>
        <option value="YES">NORMAL</option>
        <option value="NO">ABNORMAL</option>
    </select>
</div>

    <div class="input">
        <label
for="DIABETES_MELLITUS">DIABETES_MELLITUS</label>
        <select class="in" name="DIABETES_MELLITUS"
id="DIABETES_MELLITUS" required>
            <option value="" selected> Choose your
option</option>
            <option value="YES">YES</option>
            <option value="NO">NO</option>
        </select>
    </div>

    <div class="input">

```

```

        <label for="PEDAL_EDEMA">PEDAL_EDEMA</label>
        <select class="in" name="PEDAL_EDEMA" id="PEDAL_EDEMA"
required>

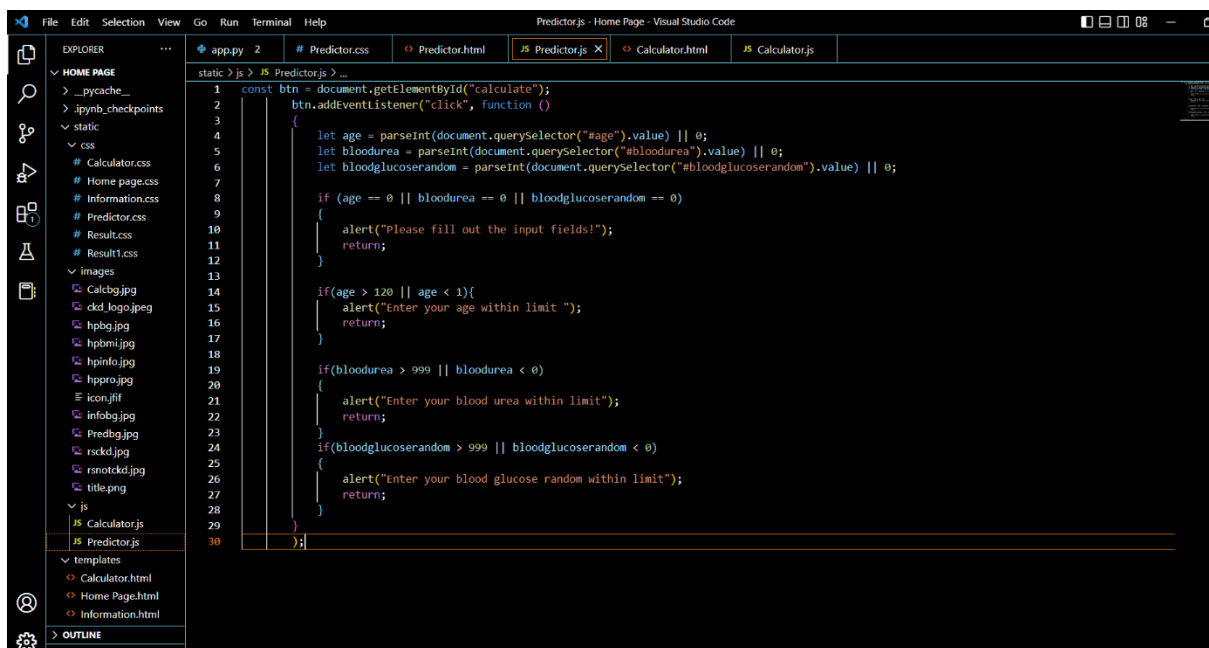
                <option value="" selected> Choose your
option</option>

                <option value="YES">YES</option>
                <option value="NO">NO</option>
        </select>
    </div>

    <button id="calculate" type="submit"
value="submit">Predict</button>
</div>
</div>
</form>
</div>
<script src="static/js/Predictor.js"></script>
</body>
</html>

```

JS Code for predictor page:



Also completed CSS code :

OUTPUT:

The screenshot shows a web browser window with a tab titled 'PREDICTOR'. The address bar shows '127.0.0.1:5000/predictor'. The main content area displays a form titled 'CHECKOUT'. The form is organized into two columns. The left column contains: 'AGE' (text input), 'BLOOD_GLUCOSE_RANDOM' (text input), 'ANEMIA' (dropdown menu with 'Choose your option'), 'PUS_CELL' (dropdown menu with 'The normal range for pus cell is 0-5'), and 'DIABETES_MELLITUS' (dropdown menu with 'Choose your option'). The right column contains: 'BLOOD_UREA' (text input), 'APPETITE' (dropdown menu with 'Choose your option'), 'CORONARY_ARTERY_DISEASE' (dropdown menu with 'Choose your option'), 'RED_BLOOD_CELL' (dropdown menu with 'Choose your option'), and 'PEDAL_EDEMA' (dropdown menu with 'Choose your option'). At the bottom center of the form is a 'Predict' button. The background of the page features a stethoscope on a light surface.

USN-4 : As a user, I can check my BMI range.

HTML CODE :

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>BMI CALCULATOR</title>
  <link rel="stylesheet" href="static/css/Calculator.css">
  <link rel="icon" type="image/x-icon" href="static/images/icon.jfif">

  <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/css/bootstrap.min.css"
  integrity="sha384-
TX8t27EcRE3e/ihU7zmQxVncDAy5uIKz4rEkgIXeMed4M0jlfIDPvg6uqKI2xXr2"
crossorigin="anonymous">

  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/5.10.0/css/all.min.css"
  integrity="sha512-
PgQMlq+nqFLV4ylk1gwUOgm6CtIIXkkWaiHP/PAIWHzig/1KZSEGKEysh0TCVbHJXCLN7WetD8TFec
Iky75ZfQ=="
  crossorigin="anonymous" />
</head>
```

```

<body id='top'>
  <section class="header_menu" id="header_menu" >
    <div class="container-fluid px-0 shadow">
      <nav class="navbar navbar-expand-lg navbar-light bg-white py-1">
        <a class="navbar-brand pl-5 pl-small-0">
          
        </a>
        <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarSupportedContent"
          aria-controls="navbarSupportedContent" aria-expanded="false" aria-label="Toggle navigation">
          <span class="navbar-toggler-icon"></span>
        </button>
        <div class="collapse navbar-collapse"
id="navbarSupportedContent">
          <ul class="navbar-nav">
            <li class="nav-item">
              <a class="nav-link" href="/home"
style="color:rgba(19, 88, 179, 0.795)">HOME </a>
            </li>
          </ul>
        </div>
      </nav>
    </div>
  </section>

  <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"
integrity="sha384-
DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
crossorigin="anonymous"></script>
  <script
src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js"
integrity="sha384-
9/reFTGAw83EW2RDu2S0VKaIzap3H66lZH81PoYlFhbGU+6BZp6G7niu735Sk7lN"
crossorigin="anonymous"></script>
  <script
src="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/js/bootstrap.min.js"
integrity="sha384-
w1Q4orYjBQndcko6MimVbzY0tgp4pWB4lZ7lr30WKz0vr/aWKhXdBNmNb5D92v7s"
crossorigin="anonymous"></script>

  <div class="container">
    <div class="box">
      <h1>BMI Calculator</h1>
      <div class="content">
        <div class="input">

```

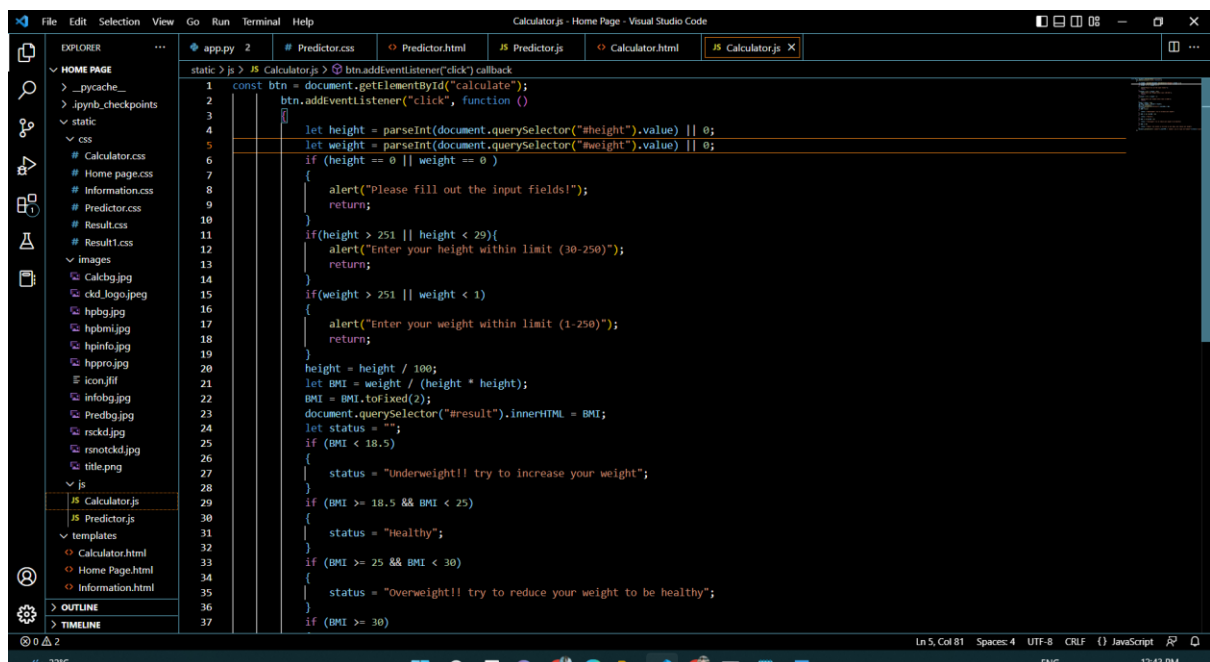
```

        <label for="height">Height(cm)</label>
        <input type="number" min="30" max="250" id="height">
    </div>
    <div class="input">
        <label for="weight">Weight(kg)</label>
        <input type="number" min="1" max="250" id="weight">
    </div>
    <button id="calculate">Calculate BMI</button>
</div>
<div class="result">
    <p>Your BMI is</p>
    <div id="result">00.00</div>
    <p class="comment"></p>
</div>
</div>
    &nbsp;
</div>
    <script src="static/js/Calculator.js"></script>
</body>
</html>

```

Also completed CSS code.

JS Code :



```

static > js > JS Calculator.js > btn.addEventListener("click") callback
1  const btn = document.getElementById("calculate");
2
3  btn.addEventListener("click", function ()
4  {
5      let height = parseInt(document.querySelector("#height").value) || 0;
6      let weight = parseInt(document.querySelector("#weight").value) || 0;
7      if (height == 0 || weight == 0 )
8      {
9          alert("Please fill out the input fields!");
10         return;
11     }
12     if (height > 251 || height < 29){
13         alert("Enter your height within limit (30-250)");
14         return;
15     }
16     if (weight > 251 || weight < 1)
17     {
18         alert("Enter your weight within limit (1-250)");
19         return;
20     }
21     height = height / 100;
22     let BMI = weight / (height * height);
23     BMI = BMI.toFixed(2);
24     document.querySelector("#result").innerHTML = BMI;
25     let status = "";
26     if (BMI < 18.5)
27     {
28         status = "Underweight!! try to increase your weight";
29     }
30     if (BMI >= 18.5 && BMI < 25)
31     {
32         status = "Healthy";
33     }
34     if (BMI >= 25 && BMI < 30)
35     {
36         status = "Overweight!! try to reduce your weight to be healthy";
37     }
38     if (BMI >= 30)

```


OUTPUT:

IBM BMI CALCULATOR

127.0.0.1:5000/bmi

IBM Jira IBM Cloud

CKD HOME

BMI Calculator

Height(cm)

Weight(kg)

Calculate BMI

Your BMI is

00.00