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:

```html
<!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+nqFLV4ylk1gwUOgm6CtIIXkKwaIHp/PAIWHzig/lKZSEGKEysh0TCVbHJXCLN7WetD8TFec
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" >
                    <img src="static/images/ckd_logo.jpeg" class="img img-
fluid" width="120px" alt="logo">
                </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>
```

```html
                        </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="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">
```

```html
                    <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>
```

```html
					</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>

						<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">
```

```html
                         <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>
```
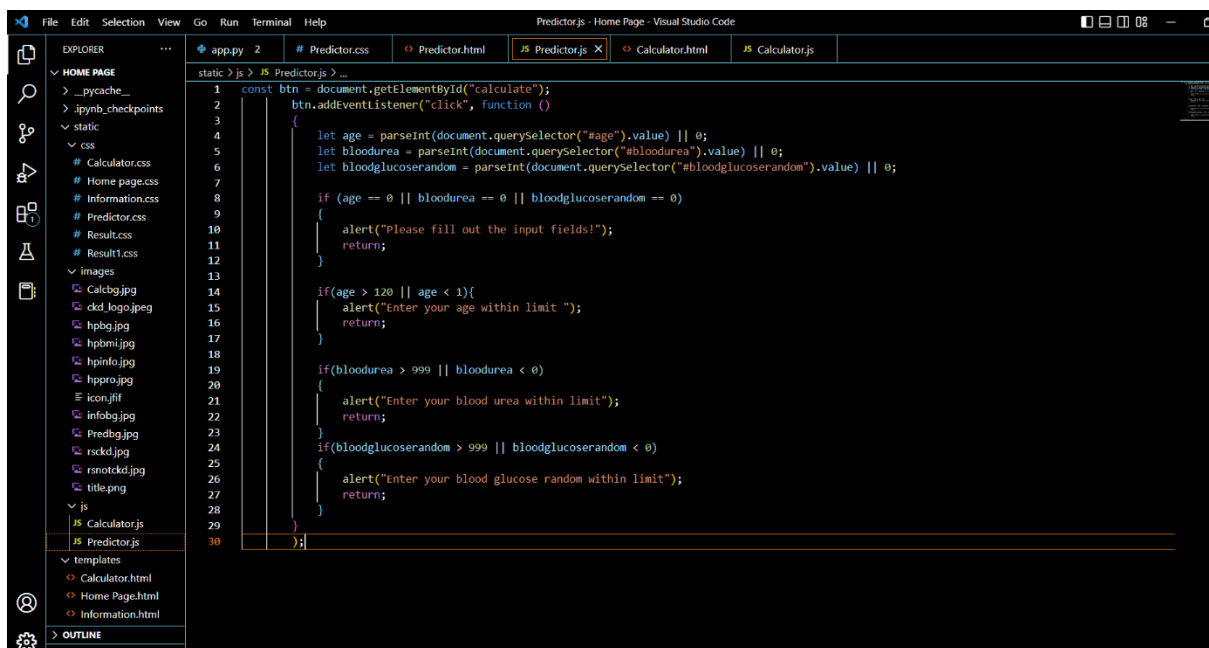
JS Code for predictor page:


```js
const btn = document.getElementById("calculate");
    btn.addEventListener("click", function ()
    {
        let age = parseInt(document.querySelector("#age").value) || 0;
        let bloodurea = parseInt(document.querySelector("#bloodurea").value) || 0;
        let bloodglucoserandom = parseInt(document.querySelector("#bloodglucoserandom").value) || 0;

        if (age == 0 || bloodurea == 0 || bloodglucoserandom == 0)
        {
            alert("Please fill out the input fields!");
            return;
        }

        if(age > 120 || age < 1){
            alert("Enter your age within limit ");
            return;
        }

        if(bloodurea > 999 || bloodurea < 0)
        {
            alert("Enter your blood urea within limit");
            return;
        }
        if(bloodglucoserandom > 999 || bloodglucoserandom < 0)
        {
            alert("Enter your blood glucose random within limit");
            return;
        }

    }
    );
```

Also completed CSS code :

OUTPUT:

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

HTML CODE :

```html
<!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/lKZSEGKEysh0TCVbHJXCLN7WetD8TFec
Iky75ZfQ=="
    crossorigin="anonymous" />

</head>
```

```html
<body id='top'>
    <section class="header_menu" id="header_menu" >
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            <nav class="navbar navbar-expand-lg navbar-light bg-white py-1">
                <a class="navbar-brand pl-5 pl-small-0">
                    <img src="static/images/ckd_logo.jpeg" class="img img-
fluid" width="120px" alt="logo">
                </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">
```

```html
          <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>
     
  </div>
  <script src="static/js/Calculator.js"></script>
</body>
</html>
```
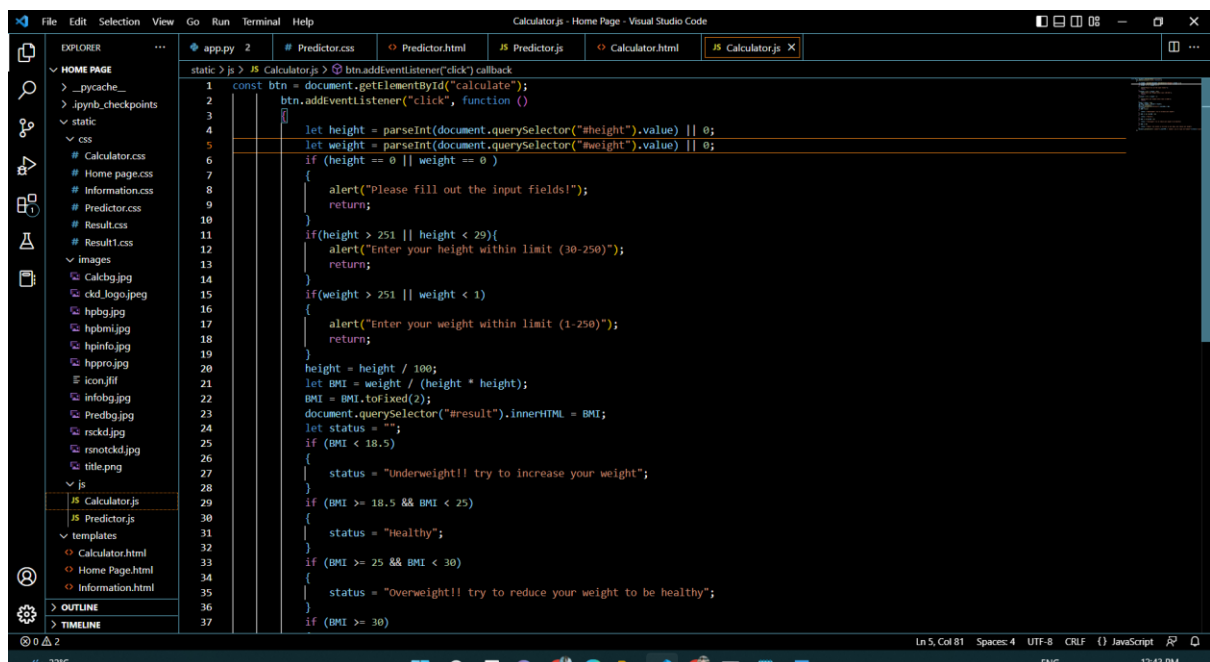
Also completed CSS code.

JS Code :

OUTPUT: