

Project Development Phase Delivery of Sprint 2

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>

```

CSS Code for predictor page:

```

*{
    padding: 0;
    margin: 0;
    box-sizing: border-box;
    overflow-x: hidden;
}
@import
url('https://fonts.googleapis.com/css2?family=Montserrat&display=swap');

html,body{
    height: 100%;
    width: 100%;
}
body{
    background-image:url(/static/images/Predbg.jpg);
    background-repeat: no-repeat;
    background-attachment: fixed;
    background-size: cover;
}
ul li{
    list-style: none;
    font-size: 16px;
    font-family:Arial;
    margin-left:48px;
}

```

```

ul li a{
    text-decoration: none;
    color: rgba(19, 88, 179, 0.795);
    font-weight: bold;
}

.container{
    position: relative;
    width:100px;
    top:50px;
    margin-bottom: 100px;
    background-image: linear-gradient(120deg,gray,white);
    border: 1px solid black;
    border-radius: 10px;
    padding:25px;
    box-shadow: 0px 0px 116px -31px black;
}

.container form .form1{
    display:flex;
    flex-wrap: wrap;
    justify-content: space-evenly;
}

form .form1 .input{
    padding: 10px 30px;
    width: calc(100% / 2 - 20px)
}

.title{
    justify-content: center;
    text-align: center;
    color:black;
    font-size: 30px;
    border-radius: 10px;
    padding:10px ;
    font-weight: bold;
    font-family: Cambria, Cochin, Georgia, Times, 'Times New Roman', serif;
    margin-bottom:5px;
}

.input label {
    display: block;
    font-size: 18px;
    font-weight: 600;
    font-family: Cambria, Cochin, Georgia, Times, 'Times New Roman', serif;
    color: black;
    margin-bottom: 10px;
    margin-left: 25px;
}

.form1 .input input{
    width: 420px;
    height: 35px;
}

```

```

margin-left: 25px;
background-color:rgba(228, 226, 226, 0.842);
border: 1px solid black;
border-top: none;
border-left: none;
border-right: none;
color:black;
font-size: 17px;
font-family: Cambria, Cochin, Georgia, Times, 'Times New Roman', serif;
margin-top:3px;
outline-color: rgba(228, 226, 226, 0.842);
border-radius: 10px;
}
.in{
width: 420px;
height: 35px;
margin-left: 25px;
background-color:rgba(228, 226, 226, 0.842);
border: 1px solid black;
border-top: none;
border-left: none;
border-right: none;
color:black;
font-family: Verdana, Geneva, Tahoma, sans-serif;
font-size: 17px;
font-family: Cambria, Cochin, Georgia, Times, 'Times New Roman', serif;
margin-top:3px;
outline-color: rgba(228, 226, 226, 0.842);
border-radius: 10px;
}
button#calculate {
position: relative;
width:300px;
background-color:rgb(88, 87, 87);
text-align: center;
justify-content: center;
font-family: Cambria, Cochin, Georgia, Times, 'Times New Roman', serif;
color:white;
font-size: 18px;
border-radius: 10px;
padding:10px ;
font-weight: bold;
margin-top: 35px;
margin-bottom: 15px;
outline: none;
border: none;
transition: background 0.2s ease;
}

```

```
button#calculate:hover {
    background:gray;
    color: white;
    font-weight: bold;
    font-family: Cambria, Cochin, Georgia, Times, 'Times New Roman', serif;
}
@media (max-width: 1203px){
    .container{
        max-width: 100%;
    }
    .in{
        width: 375px;
    }
    #AGE{
        width:375px;
    }
    #BLOOD_UREA{
        width:375px;
    }
    #BLOOD_GLUCOSE_RANDOM{
        width:375px;
    }
}
@media (max-width: 993px){
    .container{
        max-width: 100%;
    }
    form .form1 .input{
        margin-bottom: 15px;
        width:100%;
        margin-left: 80px;
    }
    .in{
        width: 420px;
    }
    #AGE{
        width:420px;
    }
    #BLOOD_UREA{
        width:420px;
    }
    #BLOOD_GLUCOSE_RANDOM{
        width:420px;
    }
}
@media (max-width: 769px){
    .container{
        max-width: 100%;
```



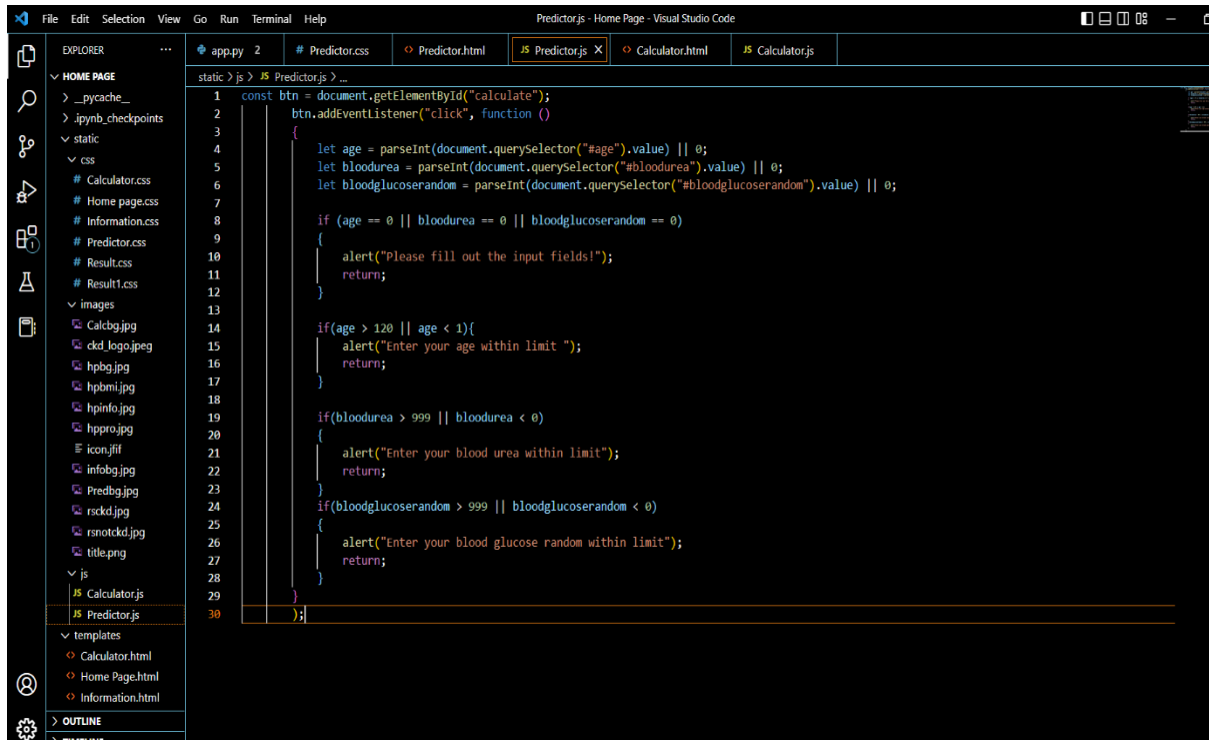
```

    }
    form .form1 .input{
        margin-bottom: 15px;
        width:100%;
        margin-left: 0px;
    }
}
@media (max-width: 579px){
    .container{
        max-width: 90%;
    }
    form .form1 .input{
        margin-bottom: 15px;
        width:100%;
    }
    .in{
        width: 330px;
    }
    #AGE{
        width:330px;
    }
    #BLOOD_UREA{
        width:330px;
    }
    #BLOOD_GLUCOSE_RANDOM{
        width:330px;
    }
}

.sub-menu{
    display:none;
    position: absolute;
}
#hlo:hover .sub-menu{
    display: block;
    background-color:rgb(82, 80, 80);
    color: white;
    font-size: 15px;
    font-weight: 300px;
    font-family: Cambria, Cochin, Georgia, Times, 'Times New Roman', serif;
    border-radius: 5px;
    padding-top:15px;
    padding-right: 48px;
}

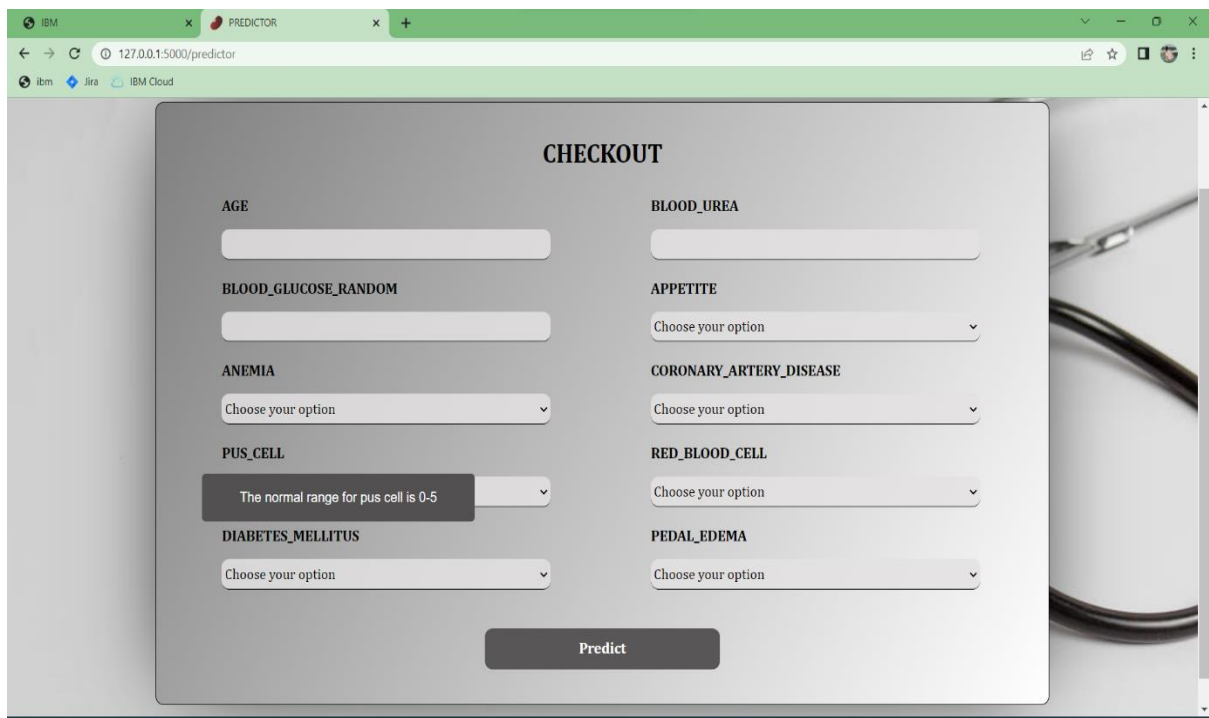
```

JS Code for predictor page:



```
static > js > JS Predictor.js > ...
1  const btn = document.getElementById("calculate");
2  btn.addEventListener("click", function ()
3  {
4      let age = parseInt(document.querySelector("#age").value) || 0;
5      let bloodurea = parseInt(document.querySelector("#bloodurea").value) || 0;
6      let bloodglucoserandom = parseInt(document.querySelector("#bloodglucoserandom").value) || 0;
7
8      if (age == 0 || bloodurea == 0 || bloodglucoserandom == 0)
9      {
10         alert("Please fill out the input fields!");
11         return;
12     }
13
14     if(age > 120 || age < 1){
15         alert("Enter your age within limit ");
16         return;
17     }
18
19     if(bloodurea > 999 || bloodurea < 0)
20     {
21         alert("Enter your blood urea within limit");
22         return;
23     }
24     if(bloodglucoserandom > 999 || bloodglucoserandom < 0)
25     {
26         alert("Enter your blood glucose random within limit");
27         return;
28     }
29 }
30 );
```

OUTPUT:



CHECKOUT

AGE	BLOOD_UREA
<input type="text"/>	<input type="text"/>
BLOOD_GLUCOSE_RANDOM	APPETITE
<input type="text"/>	<input type="text" value="Choose your option"/>
ANEMIA	CORONARY_ARTERY_DISEASE
<input type="text" value="Choose your option"/>	<input type="text" value="Choose your option"/>
PUS_CELL	RED_BLOOD_CELL
<input type="text" value="The normal range for pus cell is 0-5"/>	<input type="text" value="Choose your option"/>
DIABETES_MELLITUS	PEDAL_EDEMA
<input type="text" value="Choose your option"/>	<input type="text" value="Choose your option"/>

Predict

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>
</body>
```


CSS Code:

```
*{
  padding: 0;
  margin: 0;
  box-sizing: border-box;
  overflow-x: hidden;
}
@import
url('https://fonts.googleapis.com/css2?family=Montserrat&display=swap');

html,body{
  height: 100%;
  width: 100%;
}
body{
  background-image:url(/static/images/Calcbg.jpg);
  background-repeat: no-repeat;
  background-attachment: fixed;
  background-size: cover;
}
ul li{
  list-style: none;
  font-size: 16px;
  font-family:Arial;
  margin-left:48px;
}
ul li a{
  text-decoration: none;
  color: rgba(19, 88, 179, 0.795);
  font-weight: bold;
}
.container{
  position: relative;
  left:55%;
  top: 50%;
  transform:translate(-50%,-50%);
}
.box{
  width:400px;
  background: white;
  border-radius: 38px;
  text-align: center;
  position: relative;
  box-shadow: 13px 10px rgb(190, 233, 250);
}
```

```
h1 {
  font-weight: bold;
  font-family: Cambria, Cochin, Georgia, Times, 'Times New Roman', serif;
  font-size: 30px;
  padding: 20px 0;
}
.content {
  padding: 0 30px;
}
.input {
  background: #fff;
  box-shadow: 0px 0px 20px -10px rgba(0, 0, 0, 0.15);
  border-radius: 28px;
  padding: 15px 0;
  margin-bottom: 15px;
}
.input label {
  display: block;
  font-size: 17px;
  font-family: Cambria, Cochin, Georgia, Times, 'Times New Roman', serif;
  font-weight: 600;
  color: #000;
  margin-bottom: 15px;
}
.input input {
  outline: none;
  border: none;
  border-bottom: 1px solid #4f7df9;
  width: 60%;
  text-align: center;
  font-size: 23px;
  font-weight: 400;
  font-family: Cambria, Cochin, Georgia, Times, 'Times New Roman', serif;
}
button#calculate {
  font-family: Cambria, Cochin, Georgia, Times, 'Times New Roman', serif;
  color: #fff;
  background: #4f7df9;
  font-size: 16px;
  border-radius: 12px;
  padding: 12px 0;
  width: 100%;
  outline: none;
  border: none;
  transition: background 0.2s ease;
  font-weight: 700;
}
button#calculate:hover {
```

```
        background: #0044ff;
    }
    .result {
        padding: 20px 10px;
    }
    .result p {
        font-family: Cambria, Cochin, Georgia, Times, 'Times New Roman', serif;
        font-weight: 600;
        font-size: 22px;
        color: #000;
        margin-bottom: 10px;
    }
    .result #result {
        font-family: Cambria, Cochin, Georgia, Times, 'Times New Roman', serif;
        font-size: 25px;
        font-weight: 700;
        color: #4f7df9;
        background-color: #eaeaea;
        display: inline-block;
        padding: 5px 10px;
        border-radius: 50px;
        margin-bottom: 20px;
    }
    #comment {
        color: #4f7df9;
        font-weight: 600;
        font-family: Cambria, Cochin, Georgia, Times, 'Times New Roman', serif;
    }
    .link {
        position: fixed;
        background-color: #d12322;
        padding: 23px 40px;
        right: -90px;
        border-radius: 5px;
        top: 50%;
        transform: translateY(-50%);
        transform: rotate(-90deg);
        font-size: 18px;
        font-family: Cambria, Cochin, Georgia, Times, 'Times New Roman', serif;
        font-weight: 500;
        color: #fff;
        text-decoration: none;
        text-transform: capitalize;
        transition: all 0.1s ease-in-out;
    }
    .link i {
        padding-left: 7px;
    }
}
```

```
.link:hover {
  text-decoration: underline;
  background-color: black;
}
```

JS Code :

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

OUTPUT:

