USER INTERFACE

Date	19 November 2022
Team ID	PNT2022TMID04303
Project Name	Project – Visualizing and Predicting heart diseases with an interactive dashboard

Category: Data Analytics

Project Description:

The leading cause of death in the developed world is heart disease. Therefore, there needs to be work done to help prevent the risks of having a heart attack or stroke.

Content:

With the help of the dataset, we should predict which patients are most likely to suffer from a heart disease in the near future.

The dataset contains 14 fields.

1. Age
2. Sex
3. Chest pain type
4. BP
5. Cholesterol
6. FBS over 120
7. EKG results
8. Max HR
9. Exercise angina
10. ST depression
11. Slope of ST
12. Number of vessels fluro

Index.html

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <meta http-equiv="X-UA-Compatible" content="ie=edge">

    <title>Login Page</title>

    <!-- Owl-Carousel -->

    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/OwlCarousel2/2.3.4/assets/owl.carousel.min.css"

      integrity="sha256-UhQQ4fxEeABh4JrcmAJ1+16id/1dnlOEVCFOxDef9Lw=" crossorigin="anonymous" />

    <link rel="stylesheet"

      href="https://cdnjs.cloudflare.com/ajax/libs/OwlCarousel2/2.3.4/assets/owl.theme.default.min.css"

      integrity="sha256-kksNxjDRxd/5+jGurZUJd1sdR2v+ClrCl3svESBaJqw=" crossorigin="anonymous" />

```html
    <!-- Font Awesome CDN -->
    <script src="https://kit.fontawesome.com/23412c6a8d.js"></script>


    <!-- Custom Style-->
    <link rel="stylesheet" href="../css/Style.css">
</head>


<body>

    <div class="container">
        <div class="panel">
            <div class="row">
                <div class="col liquid">
                    <h4><i class="fas fa-drafting-compass"></i> HEALTH CARE</h4>


                    <!-- Owl-Carousel -->

                    <div class="owl-carousel owl-theme">
                        <img src="../assets/loginimg.svg" alt="" class="login_img">
```

```html
        <img src="../assets/heart.png" alt="" class="login_img">

        <img src="../assets/save.jpg" alt="" class="login_img">

    </div>


    <!-- /Owl-Carousel -->


    <!-- <div class="follow">

        Follow us <i class="fab fa-facebook-f"></i>

        <i class="fab fa-twitter"></i>

    </div> -->

</div>

<div class="col login">


    <form>

        <div class="titles">

            <h6>We keep everything</h6>

            <h3>Ready to Login</h3>

        </div>

        <div class="form-group">

            <input type="text" placeholder="Email" class="form-input">
```

```html
                        <div class="input-icon">

                            <i class="fas fa-user"></i>

                        </div>

                    </div>

                    <div class="form-group">

                        <input type="password" placeholder="Password" class="form-input">

                        <div class="input-icon">

                            <i class="fas fa-user-lock"></i>

                        </div>

                    </div>

                    <br>

                    <a href="register.html">

                        <center><input type="button" value=" LOGIN " style="border:5px solid green;background-color:#118a3b;"></input></center>

                    </a>


                </form>


            </div>

        </div>
```

```
        </div>

    </div>


    <script src="https://code.jquery.com/jquery-3.4.1.min.js"></script>
    <script src="https://cdnjs.cloudflare.com/ajax/libs/OwlCarousel2/2.3.4/owl.carousel.min.js"
        integrity="sha256-pTxD+DSzIwmwhOqTFN+DB+nHjO4iAsbgfyFq5K5bcE0=" crossorigin="anonymous"></script>


    <script>
        $(document).ready(function () {
            $('.owl-carousel').owlCarousel({
                loop: true,
                autoplay: true,
                autoplayTimeout: 2000,
                autoplayHoverPause: true,
                items: 1
            });
        });
    </script>
</body>
</html>
```
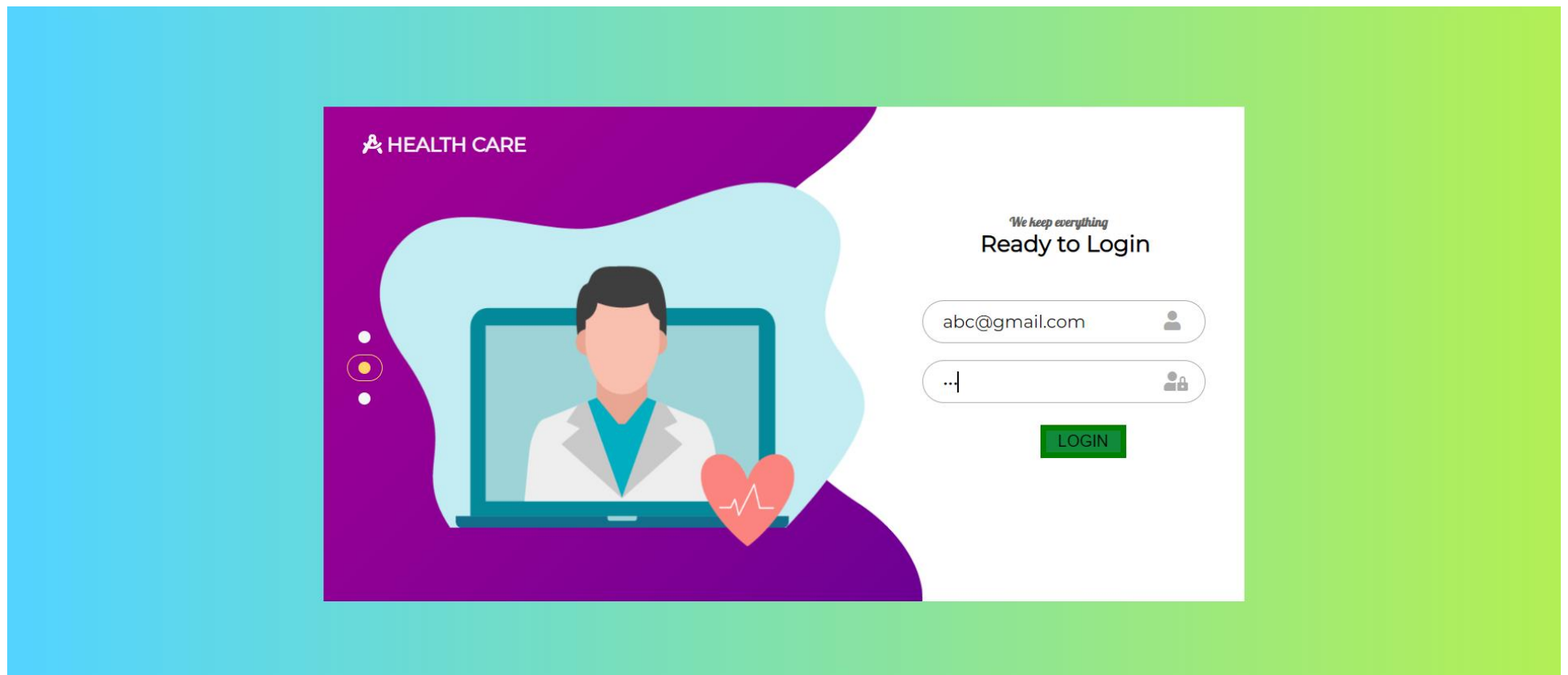
Register.html

<!DOCTYPE html>

<html>

  <head>

```html
<meta charset="utf-8" />
<title>Registration Form</title>
<meta name="viewport" content="width=device-width,
  initial-scale=1.0"/>
<link rel="stylesheet" href="../css/style_reg.css" />
</head>
<body>
 <div class="container">
    <h3 style="color:cyan; text-align: center;">Please complete the registration process to continue!!</h3>
 <br>
   <h1 class="form-title">Registration</h1>
   <form action="#">
    <div class="main-user-info">
     <div class="user-input-box">
       <label for="fullName"> Name</label>
       <input type="text"
            id="fullName"
            name="fullName"
            placeholder="Enter your Name"/>
     </div>
```

```html
<div class="user-input-box">
  <label for="username">Blood Group</label>
  <input type="text"
       id="username"
       name="username"
       placeholder="Enter your blood group"/>
</div>
<div class="user-input-box">
  <label for="email">Email</label>
  <input type="email"
       id="email"
       name="email"
       placeholder="Enter your Email"/>
</div>
<div class="user-input-box">
  <label for="phoneNumber">Phone Number</label>
  <input type="text"
       id="phoneNumber"
       name="phoneNumber"
       placeholder="Enter your Phone Number"/>
```

```html
    </div>
    <div class="user-input-box">
      <label for="password">Age</label>
      <input type="text"
           id="password"
           name="password"
           placeholder="Enter your Age"/>
    </div>

  </div>
  <div class="gender-details-box">
    <span class="gender-title">Gender</span>
    <div class="gender-category">
      <input type="radio" name="gender" id="male">
      <label for="male">Male</label>
      <input type="radio" name="gender" id="female">
      <label for="female">Female</label>
      <input type="radio" name="gender" id="other">
      <label for="other">Other</label>
    </div>
```

```html
        </div>
    <center>
        <a href="http://127.0.0.1:5000/home">
        <input type="button" value=" REGISTER " style="border:5px solid green;background-color:#118a3b;">
        </a>
    </center>


    </form>
  </div>
 </body>
</html>
```

Home.html

<!DOCTYPE html>

<html>

<head>

```html
<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Heart diesease predictor</title>

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/bulma/0.9.0/css/bulma.min.css">

<link href="https://fonts.googleapis.com/icon?family=Material+Icons" rel="stylesheet">
<style>
    /* html{

        overflow: hidden;

    } */


    body{


        height: 1200px;

         background-size: cover;

        background-repeat: no-repeat;

        /* background-color: aquamarine; */

        background-image:linear-gradient(to right, rgb(124, 204, 238), #ee9edbec);

         /* background: url('../templates/register1.jpg') ;

          */

    }
```

```css
#login-form-container{
    position: absolute;
    top:300px;
    margin-top:2%;
    margin-left: 3%;
    width: 1200px;
    height: 100%;
    display: flex;
    align-items: center;
    justify-content: center;

}
h1{
    text-align: center;
    color: brown;
    font-family: monospace;
    font-weight: bolder;
    font-size: xx-large;
}
```

```html
    </style>
  </head>
  <body>
    <h1>HEART DIESEASE PREDICTOR</h1>
    <br>
    <br>
    <br>
    <div id="login-form-container">
      <form action="classify" method="GET">
        <div class="card" style="width: 500px; background-color:lightblue; color:black">
        <div class="card-content">
          <div class="media">
          <div class="is-size-4 has-text-centered" style="color:red">!!!!!!......Please enter correct details......!!!!!!</div>
          </div>
          <div class="content">

          <div class="field">
            <p class="control">
            Age: <input class="input" type="number" value='0.00' step='0.01' name="Age" id="Age">
            </p>
```

```html
    </div>

    <div class="field">
        <p class="control">
        Sex: <input class="input" type="number" value='0.00' step='0.01' name="Sex" id="Sex">
        </p>
    </div>

    <div class="field">
        <p class="control">
        Chest Pair: <input class="input" type="number" value='0.00' step='0.01' name="Chest pain type" id="Chest pain type">
        </p>
    </div>

    <div class="field">
        <p class="control">
        BP: <input class="input" type="number" value='0.00' step='0.01' name="BP" id="BP">
        </p>
    </div>
```

```html
<div class="field">

  <p class="control">

  Cholestrol: <input class="input" type="number" value='0.00' step='0.01' name="Cholesterol" id="Cholesterol">

  </p>

</div>


<div class="field">

  <p class="control">

    FBS over 120: <input class="input" type="number" value='0.00' step='0.01' name="FBS over 120" id="FBS over 120">

  </p>

</div>


<div class="field">

  <p class="control">

    EKG results: <input class="input" type="number" value='0.00' step='0.01' name="EKG results" id="EKG results">

  </p>

</div>


<div class="field">

  <p class="control">
```

```html
      Max HR: <input class="input" type="number" value='0.00' step='0.01' name="Max HR" id="Max HR">
    </p>
</div>


<div class="field">
  <p class="control">
    Exercise angina: <input class="input" type="number" value='0.00' step='0.01' name="Exercise angina" id="Exercise angina">
  </p>
</div>


<div class="field">
  <p class="control">
    ST depression: <input class="input" type="number" value='0.00' step='0.01' name="ST depression" id="ST depression">
  </p>
</div>


<div class="field">
  <p class="control">
    Slope of ST: <input class="input" type="number" value='0.00' step='0.01' name="Slope of ST" id="Slope of ST">
  </p>
```

```
          </div>


          <div class="field">

            <p class="control">

              Number of vessels fluro: <input class="input" type="number" value='0.00' step='0.01' name="Number of vessels fluro" id="Number of
vessels fluro">

              </p>

          </div>


          <div class="field">

            <p class="control">

              Thallium: <input class="input" type="number" value='0.00' step='0.01' name="Thallium" id="Thallium">

              </p>

          </div>


          <div class="field">


            <button class="button is-fullwidth is-rounded is-success">Submit</button>


          </div>
          </div>
```

```
                </div>

            </form>

        </div>

    </body>

    </html>
```

HEART DIESEASE PREDICTOR

!!!!!!......Please enter correct details......!!!!!!

Age:

| 70 |

Sex:

| 1 |

Chest Pair:

| 4 |

BP:

| 130 |

Cholestrol:

| 322 |

FBS over 120:

| 0 |

2

Max HR:

109

Exercise angina:

0

ST depression:

2.4

Slope of ST:

2

Number of vessels fluro:

3

Thallium:

3

Submit

Output.html

```html
<!DOCTYPE html>
<html>
<head>
        <meta charset="utf-8">
        <meta name="viewport" content="width=device-width, initial-scale=1.0">
        <title>Heart diesease</title>
    <style>
      .media{

        text-align: center;
        color:darkred;
        width: 1000px;
        font-family: monospace;
        font-size:xx-large;
        font-weight:bolder;
        margin-top: 15%;
```

```
        margin-left: 40%;

    }

    body{

        background-image:linear-gradient(to right, #E3C9CEFF, #9FC131FF);

        color:green;

        text-align: center;

        font-family:'Trebuchet MS', 'Lucida Sans Unicode', 'Lucida Grande', 'Lucida Sans', Arial, sans-serif;

    }

</style>

</head>


<body>

    <h1>DASHBOARD FOR PREDICTING HEART DIESEASE</h1>

    <div id="login-form-container">

        <div class="card" style="width: 400px">

            <div class="card-content">

                <div class="media">

                    <div class="is-size-4 has-text-centered">

                        {{ variety }}

                    </div>
```

```html
                    </div>

                    <br>

                    <br>

                    <br>


                    <form action="home">

                        <div class="field">

                            <button class="button is-fullwidth is-rounded is-success" style="border:5px solid green;color:white;background-color:#118a3b;
margin-left: 500px; width: 30%;">Try Again!</button>

                        </div>

                    </form>

                </div>

            </div>

        </div>

    </body>
```

DASHBOARD FOR PREDICTING HEART DIESEASE

Status: You have a heart diesease!!Consult your physician soon

Try Again!