SPRINT-1 SOURCE CODE

Date	01 November 2022
Team ID	PNT2022TMID06561
Project Name	Digital Naturalist – AI Enabled Tools for Biodiversity Researchers.
Maximum Marks	8 Marks

Index.html :

```html
<html>
<head>
<title>D-Naturalist</title>

<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">
<link href='https://fonts.googleapis.com/css?family=Josefin Sans' rel='stylesheet'>
<link href='https://fonts.googleapis.com/css?family=Merriweather' rel='stylesheet'>
<script src="https://cdn.bootcss.com/popper.js/1.12.9/umd/popper.min.js"></script>
   <script src="https://cdn.bootcss.com/jquery/3.3.1/jquery.min.js"></script>
   <script src="https://cdn.bootcss.com/bootstrap/4.0.0/js/bootstrap.min.js"></script>
<style>
        .header {
        top:0px;
   margin:0px;            left: 0px;
   right: 0px;              position: fixed;
        background: #22a8ee;
   text-transform:uppercase;
   letter-spacing:3px;             color:
white;           overflow: hidden;
   padding-bottom: 10px;           font-
size: 2.25vw;           width: 100%;
   padding-left:0px;              text-
align: center;
              padding-top:5px;
              font-family: 'Merriweather';
        }
```

```css
.second{
top:60px;
bottom:0px;
margin:0px;              left:
0px;             right: 0%;
        position: absolute;
padding: 0px;            width:
100%;

        background-image:url({{url_for('static',filename="images/6.jfif")}});
background-repeat:no-repeat;              background-size: cover;
background-position:center;              background-attachment:absolute;

        }
        .inside{
        top:7%;
bottom:0px;
margin:0px;             left:
5%;             right: 55%;
        position: absolute;
padding-left: 40px;              padding-
top:8%;                 padding-right:5%;
        background-color:transparent;
font-family:Merriweather;
color:#563F31;                 font-
size:18px;                text-align:justify;
        line-height:32px;
margin:auto;
overflow:hidden;         }
        .myButton{                  border:
none;             text-align: center;
  cursor: pointer;                 text-
transform: uppercase;                 outline:
none;                overflow: hidden;
  color: #fff;              font-weight: 700;
        font-size: 12px;
background-color: #22a8ee;
padding: 10px 15px;              margin: 0
auto;
                box-shadow: 0 5px 15px rgb(34, 168, 238);
```

```css
            }
.predictimg{       background-
image:url({{url_for('static',filename="images/7.jfif")}});
   background-repeat:no-repeat;               background-size: cover;
   background-position:center;            background-attachment:absolute;
 height:100%;
margin-top:49.6%;
text-align:center;  }
#showcase{
height:300px;
margin-bottom:20px;
} html
{
 scroll-behavior: smooth;
}
#main{
 float:center; color:
  #22a8ee; width:100%;
  padding:0 30px;
  padding-top:7%; box-
  sizing: border-box;
  font-family:Georgia,
  serif; text-align:center;
}




#sidebar{  float:right;
width:50%;  background-color:
transparent;  color: #22a8ee;
font-family:Georgia, serif;
padding-left:0px;  padding-
right:0px;  padding-top:1px;
box-sizing: border-box;
}
.img-preview {     width: 300px;    height: 300px;
position: relative;     border: 5px solid #F8F8F8;
box-shadow: 0px 2px 4px 0px rgba(0, 0, 0, 0.1);
margin-top: 1em;    margin-bottom: 1em;
}
```

```css
.img-preview>div {    width:
100%;    height: 100%;
background-size: 300px 300px;
background-repeat: no-repeat;
background-position: center;
}

input[type="file"] {
display: none;
}
.upload-label{
display: inline-block;
padding: 12px 30px;
background: #22a8ee;
color: #fff;    font-size:
1em;    transition: all
.4s;    cursor: pointer;
font-weight:bold;
}

.upload-label:hover{
background: #3A3A3A;
color: white;  font-weight:bold;
}

.loader {    border: 8px solid #f3f3f3; /*
Light grey */    border-top: 8px solid
#22a8ee;    border-radius: 50%;    width:
50px;    height: 50px;    animation: spin 1s
linear infinite;
}

@keyframes spin {
  0% { transform: rotate(0deg); }
  100% { transform: rotate(360deg); }
}
        </style>
 </head>
 <body>
        <div class="header">D-Naturalist</div>
```

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

  <div class="inside">D-Naturalist creating a web application which uses a deep learning model, trained on
different species of birds, flowers , animals , marine animal , plants and get the prediction of the user image is been
given.


<br><br>
            <section id="showcase">
            <br>
            <div style="margin-left:32.5%">
            <a href="{{ url_for('register')}}"><button type="button" class="myButton"
>REGISTRATION</button></a>
            <br><br>
      <a href="{{ url_for('login')}}"><button type="button" class="myButton" >BIODIVERSITY
SCRUTINIZE</button></a>


            </div>
            </div>
            </section>

            </div>


 <script> window.onscroll = function()
{myFunction()};

$(document).ready(function () {
    // Init
    $('.image-section').hide();
    $('.loader').hide();
    $('#result').hide();


    // Upload Preview    function
readURL(input) {       if (input.files
&& input.files[0]) {          var reader
= new FileReader();
reader.onload = function (e) {
            $('#imagePreview').css('background-image', 'url(' + e.target.result + ')');
            $('#imagePreview').hide();
            $('#imagePreview').fadeIn(650);
        }
        reader.readAsDataURL(input.files[0]);
      }
    }
```

```javascript
    $("#imageUpload").change(function () {
        $('.image-section').show();
        $('#btn-predict').show();
        $('#result').text('');
$('#result').hide();
readURL(this);
    });

    // Predict
    $('#btn-predict').click(function () {
        var form_data = new FormData($('#upload-file')[0]);

        // Show loading animation
        $(this).hide();
        $('.loader').show();

        // Make prediction by calling api /predict
        $.ajax({          type:
'POST',          url: '/predict',
data: form_data,
contentType: false,
cache: false,
processData: false,
async: true,          success:
function (data) {
            // Get and display the result
            $('.loader').hide();
            $('#result').fadeIn(600);
$('#result').text('Prediction: '+data);
console.log('Success!');
        },
    });
    });

});
</script>
```

</body> </html>

Login.html:

```html
<!DOCTYPE html>
<html lang="zxx">

<head>
    <title>Water Quality Prediction</title>
    <!-- Meta tag Keywords -->
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <meta charset="UTF-8" />
<meta name="keywords"
content="Login Form" />
    <link href="//fonts.googleapis.com/css2?family=Poppins:wght@300;400;500;600&display=swap" rel="stylesheet">
    <script src="https://kit.fontawesome.com/af562a2a63.js" crossorigin="anonymous"></script>
    <link type="text/css" rel="stylesheet" href="{{ url_for('static', filename='css/style1.css') }}" />

</head>

<body>

    <!-- form section start -->
    <section class="w3l-mockup-form">
        <div class="container">
            <!-- /form -->
            <div class="workinghny-form-grid">
                <div class="main-mockup">
                    <div class="alert-close">
                        <span class="fa fa-close"></span>
                    </div>
                    <div class="w3l_form align-self">
                        <div class="left_grid_info">
                            <img src="{{ url_for('static', filename='images/bg.png') }}" alt="">
</div>
                    </div>
                    <div class="content-wthree">
                        <h2>Login Now</h2>
                        <p></p>

                        <form action="/login_validation" method="post">

                            <input type="email" class="email" name="email" placeholder="Email" required>
                            <input type="password" class="password" name="password"  style="margin-bottom: 2px;"
placeholder="Password" required>

                            <button name="submit" name="submit" class="btn" type="submit">Login</button>
                        </form>
                        <div class="social-icons">
```

```
                    <p>Create Account! <a href="/register">Register</a>.</p>
                </div>
            </div>
        </div>
    </div>
    <!-- //form -->
</div>
</section>
<!-- //form section start -->

<script></script>
<script>
    $(document).ready(function (c) {
        $('.alert-close').on('click', function (c) {
            $('.main-mockup').fadeOut('slow', function (c) {
                $('.main-mockup').remove();
            });
        });
    });
</script>

</body>

</html>
```

Register.html:

```
<!DOCTYPE html>
<html lang="zxx">

<head>
    <title>D-Naturalist</title>
    <!-- Meta tag Keywords -->
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <meta charset="UTF-8" />
<meta name="keywords"
content="Login Form" />
    <link href="//fonts.googleapis.com/css2?family=Poppins:wght@300;400;500;600&display=swap" rel="stylesheet">
    <script src="https://kit.fontawesome.com/af562a2a63.js" crossorigin="anonymous"></script>
     <link type="text/css" rel="stylesheet" href="{{ url_for('static', filename='css/style1.css') }}" />
</head>

<body>

    <!-- form section start -->
    <section class="w3l-mockup-form">
        <div class="container">
            <!-- /form -->
```

```html
        <div class="workinghny-form-grid">
            <div class="main-mockup">
                <div class="alert-close">
                    <span class="fa fa-close"></span>
                </div>
                <div class="w3l_form align-self">
                    <div class="left_grid_info">
                        <img src="{{ url_for('static', filename='images/bg.png') }}" alt="">
                    </div>
                </div>
                <div class="content-wthree">
                    <h2>Register Now</h2>
                    <p></p>

                    <form action="/add_user" method="post">
                        <input type="text" class="name" name="name"  required placeholder="Name">
                        <input type="email" class="email" name="email" required placeholder="Email">
                        <input type="password" class="password" name="password" required placeholder="Password">
                        <button name="submit" class="btn" type="submit">Register</button>
                    </form>
                    <div class="social-icons">
                        <p>Have an account! <a href="/login">Login</a>.</p>
                    </div>
                </div>
            </div>
        </div>
        <!-- //form -->
    </div>
</section>
<!-- //form section start -->


<script>
    $(document).ready(function (c) {
        $('.alert-close').on('click', function (c) {
            $('.main-mockup').fadeOut('slow', function (c) {
                $('.main-mockup').remove();
            });
        });
    });
</script>

</body>

</html>
```