

## PROJECT DEVELOPMENT PHASE

### SPRINT-1 SOURCE CODE

Date	01 November 2022
Team ID	PNT2022TMID49483
Project Name	Digital Naturalist – AI Enabled Tools for Biodiversity Researchers.
Maximum Marks	8 Marks

#### Index.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';
}
.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);
    }
    .predicting{
        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;
}
```

```
.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>

<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]);
        }
    }
    $("#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:

```
<!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">
              
            </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>
    </div>
  </div>
</body>
```



```
<!-- //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 -->
      <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">
```

```

        
    </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>

```