

## APPLICATION BUILDING

### HTML Code

Team ID	PNT2022TMID25825
Project Name	VirtualEye - Life Guard For Swimming Pools To Detect Active Drowning
Maximum Marks	8 Marks

### Login.html

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

<head>

  <meta charset="utf-8">
  <meta name="author" content="templatemo">
  <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

  <link
href="https://fonts.googleapis.com/css2?family=Roboto:wght@100;300;400;500;700;900&displa
y=swap" rel="stylesheet">

  <title>Drowning Detection</title>

  <!-- Bootstrap core CSS -->

  <link type="text/css" rel="stylesheet" href="{{ url_for('static',
filename='bootstrap/css/bootstrap.min.css') }}" />
  <link type="text/css" rel="stylesheet" href="{{ url_for('static', filename='css/bootstrap.min.css')
}}" />
  <link type="text/css" rel="stylesheet" href="{{ url_for('static', filename='css/style1.css') }}" />
  <link type="text/css" rel="stylesheet" href="{{ url_for('static', filename='css/fontawesome.css')
}}" />
  <link type="text/css" rel="stylesheet" href="{{ url_for('static', filename='css/templatemo-liberty-
market.css') }}" />
  <link type="text/css" rel="stylesheet" href="{{ url_for('static', filename='css/owl.css') }}" />
  <link type="text/css" rel="stylesheet" href="{{ url_for('static', filename='css/animate.css') }}" />
  <link type="text/css" rel="stylesheet" href="https://unpkg.com/swiper@7/swiper-
bundle.min.css" />

</head>
```

```

<body>

<!-- ***** Preloader Start ***** -->
<div id="js-preloader" class="js-preloader">
  <div class="preloader-inner">
    <span class="dot"></span>
    <div class="dots">
      <span></span>
      <span></span>
      <span></span>
    </div>
  </div>
</div>
<!-- ***** Preloader End ***** -->

<!-- ***** Header Area Start ***** -->
<header class="header-area header-sticky">
  <div class="container">
    <div class="row">
      <div class="col-12">
        <nav class="main-nav">
          <!-- ***** Logo Start ***** -->
          <a href="index.html" class="logo">
            
          </a>
          <!-- ***** Logo End ***** -->
          <!-- ***** Menu Start ***** -->
          <ul class="nav">
            <li><a href="/" >Home</a></li>
            <li><a href="/login" class="active">Sign In</a></li>
            <li><a href="/register">Sign Up</a></li>
            <li><a href="/login">Drown Detect</a></li>
          </ul>
          <a class='menu-trigger'>
            <span>Menu</span>
          </a>
          <!-- ***** Menu End ***** -->
        </nav>
      </div>
    </div>
  </div>
</header>
<!-- ***** Header Area End ***** -->

<!-- ***** Main Banner Area Start ***** -->
<div class="main-banner">
  <div class="container">
    <div class="row">
      <div class="col-lg-6 align-self-center">
        <div class="header-text">
          <h6>Let's </h6>
        </div>
      </div>
    </div>
  </div>
</div>

```

```

        <h2>Sign In</h2>
        <p> Welcome You Back!</p>
    </div>
</div>
<div class="col-lg-6">
    <div class="owl-banner owl-carousel">
        <div class="col-md-11 col-md-offset-1">
            <div class="booking-form">
                <form class="form" method="post" action="/login_validation">
                    <div class="row">
                        <div class="col-md-12">
                            <div class="form-group">
                                <span class="form-label">Email</span>
                                <input type="email" class="form-control" name="email"
placeholder="Enter Your Email" required="true">
                                <span class="select-arrow"></span>
                            </div>
                        </div>
                    </div>
                    <div class="row">
                        <div class="col-md-12">
                            <div class="form-group">
                                <span class="form-label">Password</span>
                                <input type="password" class="form-control" name="password"
placeholder="Enter Your Password" required="true">
                                <span class="select-arrow"></span>
                            </div>
                        </div>
                    </div>
                    <div class="form-btn">
                        <button class="submit-btn">Sign In</button>
                    </div>
                    <p class="mt-2" style="color:#000"> Not a member? <a href="/register">Create
Account</a> </p>
                </form>
            </div>
        </div>
    </div>
</div>
</div>
</div>
</div>
</div>
<!-- ***** Main Banner Area End ***** -->

<!-- Scripts -->
<!-- Bootstrap core JavaScript -->
<script src="{{ url_for('static', filename='jquery/jquery.min.js') }}"></script>

```

```

<script src="{{ url_for('static', filename='bootstrap/js/bootstrap.min.js') }}" ></script>

<script src="{{ url_for('static', filename='js/isotope.min.js') }}"></script>
<script src="{{ url_for('static', filename='js/owl-carousel.js') }}"></script>

<script src="{{ url_for('static', filename='js/tabs.js') }}"></script>
<script src="{{ url_for('static', filename='js/popup.js') }}"></script>
<script src="{{ url_for('static', filename='js/custom.js') }}"></script>

</body>
</html>

```

## Register.html

```

<!DOCTYPE html>
<html lang="en">

<head>

    <meta charset="utf-8">
    <meta name="author" content="templatemo">
    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

    <link
href="https://fonts.googleapis.com/css2?family=Roboto:wght@100;300;400;500;700;900&displa
y=swap" rel="stylesheet">

    <title>Drowning Detection</title>

    <!-- Bootstrap core CSS -->

    <link type="text/css" rel="stylesheet" href="{{ url_for('static',
filename='bootstrap/css/bootstrap.min.css') }}" />
    <link type="text/css" rel="stylesheet" href="{{ url_for('static', filename='css/bootstrap.min.css')
}}" />
    <link type="text/css" rel="stylesheet" href="{{ url_for('static', filename='css/style1.css') }}" />
    <link type="text/css" rel="stylesheet" href="{{ url_for('static', filename='css/fontawesome.css')
}}" />
    <link type="text/css" rel="stylesheet" href="{{ url_for('static', filename='css/templatemo-liberty-
market.css') }}" />
    <link type="text/css" rel="stylesheet" href="{{ url_for('static', filename='css/owl.css') }}" />
    <link type="text/css" rel="stylesheet" href="{{ url_for('static', filename='css/animate.css') }}" />
    <link type="text/css" rel="stylesheet" href="https://unpkg.com/swiper@7/swiper-
bundle.min.css" />

</head>

<body>

    <!-- ***** Preloader Start ***** -->
    <div id="js-preloader" class="js-preloader">

```

```

<div class="preloader-inner">
  <span class="dot"></span>
  <div class="dots">
    <span></span>
    <span></span>
    <span></span>
  </div>
</div>
</div>
<!-- ***** Preloader End ***** -->

<!-- ***** Header Area Start ***** -->
<header class="header-area header-sticky">
  <div class="container">
    <div class="row">
      <div class="col-12">
        <nav class="main-nav">
          <!-- ***** Logo Start ***** -->
          <a href="index.html" class="logo">
            
          </a>
          <!-- ***** Logo End ***** -->
          <!-- ***** Menu Start ***** -->
          <ul class="nav">
            <li><a href="/" >Home</a></li>
            <li><a href="/login">Sign In</a></li>
            <li><a href="/register" class="active">Sign Up</a></li>
            <li><a href="/login">Drown Detect</a></li>
          </ul>
          <a class='menu-trigger'>
            <span>Menu</span>
          </a>
          <!-- ***** Menu End ***** -->
        </nav>
      </div>
    </div>
  </div>
</header>
<!-- ***** Header Area End ***** -->

<!-- ***** Main Banner Area Start ***** -->
<div class="main-banner">
  <div class="container">
    <div class="row">
      <div class="col-lg-6 align-self-center">
        <div class="header-text">
          <h6>Let's</h6>
          <h2>Sign Up</h2>
          <p>Create Your Account With Us.</p>
        </div>
      </div>
    </div>
  </div>

```

```

<div class="col-lg-6">
  <div class="owl-banner owl-carousel">
    <div class="col-md-11 col-md-offset-1">
      <div class="booking-form">
        <form class="form" method="post" action="/add_user">
          <div class="row">
            <div class="col-md-12">
              <div class="form-group">
                <span class="form-label">Name</span>
                <input type="text" class="form-control" name="name"
placeholder="Enter Your Name" required="true">
                <span class="select-arrow"></span>
              </div>
            </div>
          </div>
          <div class="row">
            <div class="col-md-12">
              <div class="form-group">
                <span class="form-label">Email</span>
                <input type="email" class="form-control" name="email"
placeholder="Enter Your Email" required="true">
                <span class="select-arrow"></span>
              </div>
            </div>
          </div>
          <div class="row">
            <div class="col-md-12">
              <div class="form-group">
                <span class="form-label">Password</span>
                <input type="password" class="form-control" name="password"
placeholder="Enter Your Password" required="true">
                <span class="select-arrow"></span>
              </div>
            </div>
          </div>
          <div class="form-btn">
            <button class="submit-btn">Sign Up</button>
          </div>
          <div class="form-btn">
            <p class="mt-2" style="color:#000" > Already a member? <a
href="/login">Sign In</a> </p>
          </div>
        </form>
      </div>
    </div>
  </div>
</div>

```

```
</div>
</div>
</div>
</div>
<!-- ***** Main Banner Area End ***** -->
```

```
<!-- Scripts -->
<!-- Bootstrap core JavaScript -->
<script src="{{ url_for('static', filename='jquery/jquery.min.js') }}"></script>
<script src="{{ url_for('static', filename='bootstrap/js/bootstrap.min.js') }}"></script>

<script src="{{ url_for('static', filename='js/isotope.min.js') }}"></script>
<script src="{{ url_for('static', filename='js/owl-carousel.js') }}"></script>

<script src="{{ url_for('static', filename='js/tabs.js') }}"></script>
<script src="{{ url_for('static', filename='js/popup.js') }}"></script>
<script src="{{ url_for('static', filename='js/custom.js') }}"></script>

</body>
</html>
```

### Index.html(Before detection):

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

<head>

<meta charset="utf-8">
<meta name="author" content="templatemo">
<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

<link
href="https://fonts.googleapis.com/css2?family=Roboto:wght@100;300;400;500;700;900&display=swap" rel="stylesheet">

<title>Drowning Detection</title>

<!-- Bootstrap core CSS -->

<link type="text/css" rel="stylesheet" href="{{ url_for('static',
filename='bootstrap/css/bootstrap.min.css') }}" />
<link type="text/css" rel="stylesheet" href="{{ url_for('static', filename='css/fontawesome.css')
}}" />
<link type="text/css" rel="stylesheet" href="{{ url_for('static', filename='css/templatemo-liberty-
market.css') }}" />
<link type="text/css" rel="stylesheet" href="{{ url_for('static', filename='css/owl.css') }}" />
<link type="text/css" rel="stylesheet" href="{{ url_for('static', filename='css/animate.css') }}" />
```

```
<link type="text/css" rel="stylesheet" href="https://unpkg.com/swiper@7/swiper-  
bundle.min.css" />
```

```
</head>
```

```
<body>
```

```
<!-- ***** Preloader Start ***** -->
```

```
<div id="js-preloader" class="js-preloader">
```

```
<div class="preloader-inner">
```

```
<span class="dot"></span>
```

```
<div class="dots">
```

```
<span></span>
```

```
<span></span>
```

```
<span></span>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
<!-- ***** Preloader End ***** -->
```

```
<!-- ***** Header Area Start ***** -->
```

```
<header class="header-area header-sticky">
```

```
<div class="container">
```

```
<div class="row">
```

```
<div class="col-12">
```

```
<nav class="main-nav">
```

```
<!-- ***** Logo Start ***** -->
```

```
<a href="index.html" class="logo">
```

```

```

```
</a>
```

```
<!-- ***** Logo End ***** -->
```

```
<!-- ***** Menu Start ***** -->
```

```
<ul class="nav">
```

```
<li><a href="/" class="active">Home</a></li>
```

```
<li><a href="/login">Sign In</a></li>
```

```
<li><a href="/register">Sign Up</a></li>
```

```
<li><a href="/login">Drown Detect</a></li>
```

```
</ul>
```

```
<a class='menu-trigger'>
```

```
<span>Menu</span>
```

```
</a>
```

```
<!-- ***** Menu End ***** -->
```

```
</nav>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</header>
```

```
<!-- ***** Header Area End ***** -->
```

```
<!-- ***** Main Banner Area Start ***** -->
```

```
<div class="main-banner">
```



```

<div class="container">
  <div class="row">
    <div class="col-lg-6 align-self-center">
      <div class="header-text">
        <h6>Let's Start.</h6>
        <h2>Drowning Detection</h2>
        <p>It is an active drowning detection system using artificial intelligence.</p>
        <div class="buttons">
          <div class="main-button">
            <a href="/login">Detect</a>
          </div>
        </div>
      </div>
    </div>
    <div class="col-lg-5 offset-lg-1">
      <div class="owl-banner owl-carousel">
        <div class="item">
          
        </div>
        <div class="item">
          
        </div>
      </div>
    </div>
  </div>
</div>
<!-- ***** Main Banner Area End ***** -->

```

```

<!-- Scripts -->
<!-- Bootstrap core JavaScript -->
<script src="{{ url_for('static', filename='jquery/jquery.min.js') }}"></script>
<script src="{{ url_for('static', filename='bootstrap/js/bootstrap.min.js') }}"></script>

<script src="{{ url_for('static', filename='js/isotope.min.js') }}"></script>
<script src="{{ url_for('static', filename='js/owl-carousel.js') }}"></script>

<script src="{{ url_for('static', filename='js/tabs.js') }}"></script>
<script src="{{ url_for('static', filename='js/popup.js') }}"></script>
<script src="{{ url_for('static', filename='js/custom.js') }}"></script>

</body>
</html>

```

### Index1.html(After detection) :

```

<!DOCTYPE html>
<html lang="en">

```

```

<head>

  <meta charset="utf-8">
  <meta name="author" content="templatemo">
  <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

  <link
href="https://fonts.googleapis.com/css2?family=Roboto:wght@100;300;400;500;700;900&displa
y=swap" rel="stylesheet">

  <title>Drowning Detection</title>

  <!-- Bootstrap core CSS -->

  <link type="text/css" rel="stylesheet" href="{{ url_for('static',
filename='bootstrap/css/bootstrap.min.css') }}" />
  <link type="text/css" rel="stylesheet" href="{{ url_for('static', filename='css/fontawesome.css')
}}" />
  <link type="text/css" rel="stylesheet" href="{{ url_for('static', filename='css/templatemo-liberty-
market.css') }}" />
  <link type="text/css" rel="stylesheet" href="{{ url_for('static', filename='css/owl.css') }}" />
  <link type="text/css" rel="stylesheet" href="{{ url_for('static', filename='css/animate.css') }}" />
  <link type="text/css" rel="stylesheet" href="https://unpkg.com/swiper@7/swiper-
bundle.min.css" />

</head>

<body>

  <!-- ***** Preloader Start ***** -->
  <div id="js-preloader" class="js-preloader">
    <div class="preloader-inner">
      <span class="dot"></span>
      <div class="dots">
        <span></span>
        <span></span>
        <span></span>
      </div>
    </div>
  </div>
  <!-- ***** Preloader End ***** -->

  <!-- ***** Header Area Start ***** -->
  <header class="header-area header-sticky">
    <div class="container">
      <div class="row">
        <div class="col-12">
          <nav class="main-nav">
            <!-- ***** Logo Start ***** -->
            <a href="index.html" class="logo">

```

```

        
    </a>
    <!-- ***** Logo End ***** -->
    <!-- ***** Menu Start ***** -->
    <ul class="nav">
        <li><a href="/" >Home</a></li>
        <li><a href="/login">Sign In</a></li>
        <li><a href="/register">Sign Up</a></li>
        <li><a href="/home" class="active">Drown Detect</a></li>
    </ul>
    <a class='menu-trigger'>
        <span>Menu</span>
    </a>
    <!-- ***** Menu End ***** -->
</nav>
</div>
</div>
</div>
</div>
</header>
<!-- ***** Header Area End ***** -->

<!-- ***** Main Banner Area Start ***** -->
<div class="main-banner">
    <div class="container">
        <div class="row">
            <div class="col-lg-6 align-self-center">
                <div class="header-text">
                    <h6>Let's Start.</h6>
                    <h2>Drowning Detection</h2>
                    <p>It is an active drowning detection system using artificial intelligence.</p>
                    <div class="buttons">
                        <div class="main-button">
                            <a href="/step2">Detect</a>
                        </div>
                    </div>
                </div>
            </div>
            <div class="col-lg-5 offset-lg-1">
                <div class="owl-banner owl-carousel">
                    <div class="item">
                        
                    </div>
                    <div class="item">
                        
                    </div>
                </div>
            </div>
        </div>
    </div>
</div>
</div>
</div>
</div>
<!-- ***** Main Banner Area End ***** -->

```

```

<div class="currently-market">
  <div class="container">
    <div class="row">
      <div class="col-lg-6">
        <div class="section-heading">
          <div class="line-dec"></div>
          <h2><em>Current</em> Drowning Details.</h2>
        </div>
      </div>
      <div class="col-lg-12">
        <div class="row grid">
          <div class="col-lg-6 currently-market-item all msc">
            <div class="item">
              {% if prediction_text == "0" %}
              <h2>" The Person is Swimming "</h2>
              {% elif prediction_text == "1" %}
              <div class="left-image">
                
              </div>
              <div class="right-content">
                <h4>1 Person Drowning</h4>
              </div>
            </div>
          </div>
        </div>
      </div>
    </div>
  </div>

```

```

<!-- Scripts -->

```

```

<!-- Bootstrap core JavaScript -->

```

```

<script src="{{ url_for('static', filename='jquery/jquery.min.js') }}"></script>

```

```

<script src="{{ url_for('static', filename='bootstrap/js/bootstrap.min.js') }}"></script>

```

```

<script src="{{ url_for('static', filename='js/isotope.min.js') }}"></script>

```

```

<script src="{{ url_for('static', filename='js/owl-carousel.js') }}"></script>

```

```

<script src="{{ url_for('static', filename='js/tabs.js') }}"></script>

```

```

<script src="{{ url_for('static', filename='js/popup.js') }}"></script>

```

```

<script src="{{ url_for('static', filename='js/custom.js') }}"></script>

```

```

</body>

```

```

</html>

```

**Style.css**

```
.section {  
    position: relative;  
    height: 100vh;  
}
```

```
.section .section-center {  
    position: absolute;  
    top: 50%;  
    left: 0;  
    right: 0;  
    -webkit-transform: translateY(-50%);  
    transform: translateY(-50%);  
}
```

```
.booking-form {  
    position: relative;  
    background: #fff;  
    max-width: 642px;  
    width: 100%;  
    margin: auto;  
    padding: 45px 25px 25px;  
    border-radius: 4px;  
    -webkit-box-shadow: 0px 0px 10px -5px rgba(0, 0, 0, 0.4);  
    box-shadow: 0px 0px 10px -5px rgba(0, 0, 0, 0.4);  
}
```

```
.booking-form .form-group {  
    position: relative;  
    margin-bottom: 20px;  
}
```

```
.booking-form .form-control {  
    background-color: #fff;  
    height: 65px;  
    padding: 0px 15px;  
    padding-top: 24px;  
    color: #191a1e;  
    border: 2px solid #7453fca;  
    font-size: 16px;  
    font-weight: 700;  
    -webkit-box-shadow: none;  
    box-shadow: none;  
    border-radius: 4px;  
    -webkit-transition: 0.2s all;  
    transition: 0.2s all;  
}
```

```
.booking-form .form-control::-webkit-input-placeholder {  
    color: #fff;
```

```
}

.booking-form .form-control:-ms-input-placeholder {
    color: #fff;
}

.booking-form .form-control::placeholder {
    color: #00000099;
}

.booking-form .form-control:focus {
    background: #fff;
}

.booking-form input[type="date"].form-control:invalid {
    color: #dfe5e9;
}

.booking-form select.form-control {
    -webkit-appearance: none;
    -moz-appearance: none;
    appearance: none;
}

.booking-form select.form-control+.select-arrow {
    position: absolute;
    right: 6px;
    bottom: 6px;
    width: 32px;
    line-height: 32px;
    height: 32px;
    text-align: center;
    pointer-events: none;
    color: #dfe5e9;
    font-size: 14px;
}

.booking-form select.form-control+.select-arrow:after {
    content: '\279C';
    display: block;
    -webkit-transform: rotate(90deg);
    transform: rotate(90deg);
}

.booking-form .form-label {
    position: absolute;
    top: 6px;
    left: 20px;
    font-weight: 700;
    text-transform: uppercase;
    line-height: 24px;
```

```

        height: 24px;
        font-size: 12px;
        color: #7453fc;
    }

.booking-form .form-checkbox input {
    position: absolute !important;
    margin-left: -9999px !important;
    visibility: hidden !important;
}

.booking-form .form-checkbox label {
    position: relative;
    padding-top: 4px;
    padding-left: 30px;
    font-weight: 700;
    color: #191a1e;
}

.booking-form .form-checkbox label+label {
    margin-left: 15px;
}

.booking-form .form-checkbox input+span {
    position: absolute;
    left: 2px;
    top: 4px;
    width: 20px;
    height: 20px;
    background: #fff;
    border: 2px solid #dfe5e9;
    border-radius: 50%;
}

.booking-form .form-checkbox input+span:after {
    content: "";
    position: absolute;
    top: 50%;
    left: 50%;
    width: 0px;
    height: 0px;
    border-radius: 50%;
    background-color: #4fa3e3;
    -webkit-transform: translate(-50%, -50%);
    transform: translate(-50%, -50%);
    -webkit-transition: 0.2s all;
    transition: 0.2s all;
}

.booking-form .form-checkbox input:not(:checked)+span:after {
    opacity: 0;
}

```

```
}

.booking-form .form-checkbox input:checked+span:after {
    opacity: 1;
    width: 10px;
    height: 10px;
}

.booking-form .submit-btn {
    color: #fff;
    background-color: #7453fc;
    font-weight: 400;
    height: 65px;
    font-size: 18px;
    border: none;
    width: 100%;
    border-radius: 4px;
    text-transform: uppercase
}

.booking-cta {
    margin-top: 10px;
}

.booking-cta h1 {
    font-size: 52px;
    text-transform: uppercase;
    color: #fff;
    font-weight: 400;
}

.booking-cta p {
    font-size: 22px;
    color: #fff;
}
```