

Project Development Phase

Sprint-1 Source code

Date	01 November 2022
Team ID	PNT2022TMID00640
Project Name	VirtualEye - Life Guard for Swimming Pools to Detect Active Drowning
Maximum Marks	8 Marks

HTML CODE FOR HOME PAGE

```
<!DOCTYPE html>
<html>
<head>
  <link rel="stylesheet" href="home.css">
  <meta name="viewport" content="width=device-width, initial-
scale=1.0">
  <title>
    VirtualEye-Life Guard for Swimming Pools to detect Active
Drowning
  </title>
</head>
<body>
  <div class="container">
    <div class="topnav">

      <a href="#demo">Demo</a>
```

```

    <a href="C:\Users\muthu\Downloads\IBM
PROJECT\register.html">Register</a>
    <a href="C:\Users\muthu\Downloads\IBM
PROJECT\login.html">Login</a>
    <a class="active" href="C:\Users\muthu\Downloads\IBM
PROJECT\home.html">Home</a>
</div>
<h1>VIRTUAL EYE-LIFEGUARD FOR SWIMMING POOLS TO
DETECT ACTIVE DROWNING</h1>
<p>The system is not designed to replace a lifeguard or other human
monitor, but to act as an additional tool. "It helps the lifeguard to
detect the underwater situation where they can't easily observe. </p>


</body>
</html>

```

CSS Code for Home page

```

h1
{
color: black;
}
/* Add a black background color to the top navigation */
.topnav {
background-color: #333;
overflow: hidden;

}

```

```
/* Style the links inside the navigation bar */
.topnav a {
  float: right;
  color: #040404;
  text-align: center;
  padding: 14px 16px;
  text-decoration: none;
  font-size: 17px;
}
```

```
/* Change the color of links on hover */
.topnav a:hover {
  background-color: #ddd;
  color: black;
}
```

```
/* Add a color to the active/current link */
.topnav a.active {
  background-color: #04AA6D;
  color: white;
}
```

HTML CODE FOR INDEX PAGE

```
<!DOCTYPE html>
<html>
<head>
  <link rel="stylesheet" href="index.css">
```

```
<meta name="viewport" content="width=device-width, initial-
scale=1.0">
<title>
    VirtualEye-Life Guard for Swimming Pools to detect Active
Drowning
</title>
</head>
<body>
    <div class="container">
    <div class="topnav">

        <a href="#demo">Demo</a>
        <a href="C:\Users\muthu\Downloads\IBM
PROJECT\register.html">Register</a>
        <a href="C:\Users\muthu\Downloads\IBM
PROJECT\login.html">Login</a>
        <a href="C:\Users\muthu\Downloads\IBM
PROJECT\home.html">Home</a>
        <h1>
            VIRTUAL EYE
        </h1>
    </div>
    
    <h2>
        ABOUT PROJECT
    </h2>
    <div class="row">
        <div class="column" style="background-color:#a5dbed;">
```

PROBLEM

Swimming is one of the best exercises that helps people to reduce stress in this urban lifestyle. Swimming pools are found larger in number in hotels, and weekend tourist spots and barely people have them in their house backyard. Beginners, especially, often feel it difficult to breathe underwater which causes breathing trouble which in turn causes a drowning accident. Worldwide, drowning produces a higher rate of mortality without causing injury to children. Children under six of their age are found to be suffering the highest drowning mortality rates worldwide. Such kinds of deaths account for the third cause of unplanned death globally, with about 1.2 million cases yearly.

SOLUTION

To overcome this conflict, a meticulous system is to be implemented along the swimming pools to save human life.

By studying body movement patterns and connecting cameras to artificial intelligence (AI) systems we can devise an underwater pool safety system that reduces the risk of drowning. Usually, such systems can be developed by installing more than 16 cameras underwater and ceiling and analyzing the video feeds to detect any anomalies. but AS a POC we make use of one camera that streams the video underwater and analyses the position of swimmers to assess the probability of drowning, if it is higher then an alert will be generated to attract lifeguards' attention.

</html>

CSS CODE FOR INDEX PAGE

```
/* Add a black background color to the top navigation */
```

```
.topnav {  
  background-color: #333;  
  overflow: hidden;  
  
}
```

```
/* Style the links inside the navigation bar */
```

```
.topnav a {  
  float: right;  
  color: #f2f2f2;  
  text-align: center;  
  padding: 14px 16px;  
  text-decoration: none;  
  font-size: 17px;  
}
```

```
/* Change the color of links on hover */
```

```
.topnav a:hover {  
  background-color: #ddd;  
  color: black;  
  
}
```

```
/* Add a color to the active/current link */
```

```
.topnav a.active {
```

```
background-color: #04AA6D;
color: white;
}
h1{
color: white;

}
h2{
text-align: center;
text-decoration:underline;
text-decoration-color: aqua;

}
h3{
padding-left: 340px;
}
#a1{
padding-left:890px;
}
/* Create two equal columns that floats next to each other */
.column {
float: left;
width: 50%;
padding: 10px;
height: 300px; /* Should be removed. Only for demonstration */
}

/* Clear floats after the columns */
.row:after {
content: "";
```

```

display: table;
clear: both;
}
* {
    box-sizing: border-box;
}

```

HTML Code for Login page

```

<!DOCTYPE html>
<html>
<head>
    <link rel="stylesheet" href="login.css">
    <script src="login.js"></script>
    <meta name="viewport" content="width=device-width, initial-
scale=1.0">
    <title>
        VirtualEye-Life Guard for Swimming Pools to detect Active
Drowning
    </title>
</head>
<body>
    <div class="container">
    <div class="topnav">

        <a href="#demo">Demo</a>
        <a href="C:\Users\muthu\Downloads\IBM
PROJECT\register.html">Register</a>
        <a class="active" href="C:\Users\muthu\Downloads\IBM
PROJECT\login.html">Login</a>

```



```
<a href="C:\Users\muthu\Downloads\IBM  
PROJECT\home.html">Home</a>
```

```
</div>
```

```
</div>
```

```
<form class="box" action="login.html" method="POST"  
name="form">
```

```
<div class="div1">
```

```
<h1>LOGIN</h1>
```

```
<label>Enter required email id:</label>
```

```
<input id="email" type="alphanumeric" size="35">
```

```
<label>Enter Password:</label>
```

```
<input id="pass" type="password" size="35">
```

```
<button type="submit" class="block" id="pass" value="Login"  
onclick="validate()">Login</button>
```

```
<br>
```

```
<a href="">Forget Password?</a>
```

```
</form>
```

```
</div>
```

```
</body>
```

```
</html>
```

CSS Code for Login page

```
/* Add a black background color to the top navigation */
```

```
.topnav {  
  background-color: #333;  
  overflow: hidden;  
  
}
```

```
/* Style the links inside the navigation bar */
```

```
.topnav a {  
  float: right;  
  color: #f2f2f2;  
  text-align: center;  
  padding: 14px 16px;  
  text-decoration: none;  
  font-size: 17px;  
}
```

```
/* Change the color of links on hover */
```

```
.topnav a:hover {  
  background-color: #ddd;  
  color: black;  
  
}
```

```
/* Add a color to the active/current link */
```

```
.topnav a.active {  
  background-color: #04AA6D;  
  color: white;  
  
}
```

```
h1{  
  color: black;  
  font-size: 50px;  
  text-align: center;
```

```
}  
h2{
```

```
text-align: center;
text-decoration:underline;
text-decoration-color: aqua;
```

```
}
```

```
@import
```

```
url('https://fonts.googleapis.com/css2?family=Poppins&display=swap');

```

```
{
```

```
margin:0;
padding:0;
box-sizing: border-box;
font-family: 'Poppins',sans-serif;
cursor: pointer;
```

```
}
```

```
form{
```

```
height:100vh;
width:100%;;
display:flex;
justify-content:center;
align-items: center;
background:linear-gradient(to right,#3f5efb,#fc466b);
display:flex;
flex-direction: column;
/*background:rgba(255,255,255,0.06);*/
box-shadow: 0 8px 32px 0 rgba(31,38,135,.37);
/*border-radius: 30px;
border-left: 1px solid rgba(255,255,255,0.3);
border-top: 1px solid rgba(255,255,255,0.3);*/
```

```
}  
.div1 {  
  width: 300px;  
  height: 350px;  
  box-sizing: border-box;  
  /*background:rgba(255,255,255,0.06);*/  
  box-shadow: 0 8px 32px 0 rgba(31,38,135,.37);  
  border-radius: 30px;  
  border-left: 1px solid rgba(255,255,255,0.3);  
  border-top: 1px solid rgba(255,255,255,0.3);  
  opacity: .9;  
}  
.block {  
  display: block;  
  width: 50%;  
  margin: 3% auto;  
  border: none;  
  background-color: #647d74;  
  padding: 14px 28px;  
  font-size: 16px;  
  cursor: pointer;  
  text-align: center;  
}  
input{  
  margin:5% auto;  
  outline: none;  
  
}  
label{
```

```
    margin-left: 10%;  
}  
form:before{  
    content: "";  
    position: absolute;  
    bottom: 3%;  
    left: 53%;  
    width:200px;  
    height:200px;  
    background: magenta;  
    border-radius: 50%;  
    z-index:6%;  
    opacity: .8;  
}
```

```
form:after{  
    content: "";  
    position: absolute;  
    bottom: 58%;  
    right: 56%;  
    width:200px;  
    height:200px;  
    background: magenta;  
    border-radius: 50%;  
    z-index:6%;  
    opacity: .6;  
}
```

HTML Code for REGISTER Page

```
<!DOCTYPE html>
<html>
<head>
  <link rel="stylesheet" href="register.css">
  <meta name="viewport" content="width=device-width, initial-
scale=1.0">
  <title>
    VirtualEye-Life Guard for Swimming Pools to detect Active
Drowning
  </title>
  <style>
    form{
      margin-top: 210px;
    }
  </style>
</head>
<body>

  <div class="topnav">

    <a href="#demo">Demo</a>
    <a class="active" href="C:\Users\muthu\Downloads\IBM
PROJECT\register.html">Register</a>
    <a href="C:\Users\muthu\Downloads\IBM
PROJECT\login.html">Login</a>
    <a href="C:\Users\muthu\Downloads\IBM
PROJECT\home.html">Home</a>
  </div>
```

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

```
  <form action="#" align="center">
```

```
    <h1>REGISTRATION</h1>
```

```
    <BR>
```

```
    <div class="user-details">
```

```
      <div class="input-box">
```

```
        <span class="details">Username:</span>
```

```
        <input type="text" placeholder="Enter your name" required>
```

```
      </div>
```

```
  <br>
```

```
    <div class="input-box">
```

```
      <span class="details">Email:</span>
```

```
      <input type="text" placeholder="Enter your email"
```

```
required>
```

```
    </div><br>
```

```
    <div class="input-box">
```

```
      <span class="details">Phone Number:</span>
```

```
      <input type="text" placeholder="Enter your number"
```

```
required>
```

```
    </div><br>
```

```
    <div class="input-box">
```

```
      <span class="details">Password:</span>
```

```
      <input type="text" placeholder="Enter your
```

```
password" required>
```

```
    </div><br>
```

```
    <div class="input-box">
```

```
        <span class="details">Confirm your
password:</span>
        <input type="text" placeholder="Confirm your
password" required>
    </div> <br>
</div>
<div class="gender-details">
    <span class="gender-title">Gender:</span>
    <input type="radio" id="male" name="fav_language"
value="MALE">
    <label for="Male">Male</label>
    <input type="radio" id="female" name="fav_language"
value="FEMALE">
    <label for="Female">Female</label>
    <input type="radio" id="not" name="fav_language"
value="PREFERNOTTOSAY">
    <label for="Prefer not to say">Prefer not to say</label>
</label>
<br><br>
</div>

<div class="button">
    <input type="submit" value="Register">
</div>
</form>

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


CSS Code for REGISTER Page

```
/* Add a black background color to the top navigation */
```

```
.topnav {  
    background-color: #333;  
    overflow: hidden;  
  
}
```

```
/* Style the links inside the navigation bar */
```

```
.topnav a {  
    float: right;  
    color: #f2f2f2;  
    text-align: center;  
    padding: 14px 16px;  
    text-decoration: none;  
    font-size: 17px;  
}
```

```
/* Change the color of links on hover */
```

```
.topnav a:hover {  
    background-color: #ddd;  
    color: black;  
  
}
```

```
/* Add a color to the active/current link */
```

```
.topnav a.active {  
    background-color: #04AA6D;  
    color: white;
```

```
}
*{
  margin:0;
  padding: 0;
  box-sizing: border-box;
  font-family: 'Poppins',sans-serif;
}
body{
```

```
  justify-content: center;
  align-items: center;
  background: linear-gradient(135deg,#71b7e6,#9b59b6);
}
```

```
form{
  height:500px;
```

```
  /*padding:250px;*/
  justify-content:center;
  text-align: center;
  align-items: center;
}
```

```
.container{
  background:#71b7e6;
  max-width: 500px;
```

```
  width: 50;
  border:solid black 2px;
  margin-left: 490px;
  border-radius: 5px;
```

```
}  
.container .title{  
  font-size: 25px;  
  font-weight: 500;  
  position: relative;  
}  
.container.title::before{  
  content:"";  
  position: absolute;  
  height: 3px;  
  width:30px;  
  background: linear-gradient(135deg,#71b7e6,#9b59b6);  
  left: 0;  
  bottom:0;  
}  
.container.form.user-details{  
  display:flex;  
  flex-wrap: wrap;  
  justify-content: space-between;  
}  
form.user-details.input-box{  
  width:calc(100% /2 -20px);  
}  
form .gender-details .category{  
  width:50%;  
  background: red;  
  justify-content: space-between;  
  margin:19px 0;  
  display: flex;
```

```
}  
.gender-details.category label{  
  align-items:center;  
  display:flex;  
}  
.gender-details.category .dot{  
  height:18px;  
  width:18px;  
  background: red;  
  border-radius: 50%;  
  margin-right: 10px;  
  border: 5px solid transparent;  
}
```