Project Development Phase Sprint-2 Source code

Date	11 November 2022
Team ID	PNT2022TMID52122

Project Name	VirtualEye- Life Guard for Swimming Pools to Detect Active Drowning
Maximum Marks	8 Marks

index.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>VirtualEye|Home</title>
  <!-- ==== CSS ==== -->
  <link rel="stylesheet" href="./style.css">
</head>
<body>
  <!-- Navbar-->
  <nav class="navbar">
    <h1 class="logo">VirtualEye</h1>
    <ul class="nav-links">
      <li class="active"><a href="#"></a>Home</li>
      <li><a href="#"></a>Login</li>
      <li><a href="#"></a>Register</li>
      <li><a href="#"></a>Demo</li>
    </ul>
    <img src="./Images/toggle.png" alt="" class="menu-btn">
  </nav>

  <header>
    <div class="header-content">
      <h2>VirtualEye saves lives</h2>
      <div class="line"></div>
```

```html
        <h1>Intelligent detection system for any pool</h1>
        <a href="#" class="ctn">Learn More</a>
</div>
</header>
```

```html
    <!--== About Project == -->
    <section class="events">
      <div class="title">
        <h1>About Project</h1>
        <div class="line"></div>
      </div>
      <div class="row">
        <div class="col">
          <h4>Problem</h4>
          <p>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.</p>
          <a href="#" class="ctn">Learn More</a>
        </div>
        <div class="col">
          <h4>Solution</h4>
```

```
        <p>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</p>
        <a href="#" class="ctn">Learn More</a>
      </div>
  <
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  i
  o
  n
  >

  <section class="explore">
    <div class="explore-content">
```

```html
        <h1>A drowning detection system</h1>
        <div class="line"></div>
        <p>VirtualEye works like an "extra
lifeguard" under the water of your pool.Our object
recognition software tracks the movements of all
swimmers in a pool. And in the event of a serious
drowning incident, VirtualEye will provide an alarm
to pool lifeguards. This will help lifeguards improve
their reaction-time, as they initiate a rescue.</p>
      <a href="#" class="ctn">Learn More</a>
      </div>

    </section>

    <section class="footer">
```

```
<p>Thank You</p>
</section>

<script>
  const menuBtn = document.querySelector('.menu-btn')
  const navlinks = document.querySelector('.nav-links')

  menuBtn.
```

```
addEventListener('click', () => {
navlinks.classLi
```

```
            st.toggle('mobile-menu')
        })
    </script>
</body>
</html>
```

style.css
```css
/* Google Fonts */
@import url('https://fonts.googleapis.com/css2?family=Poppins');

/* ==== Global ==== */
*{
    margin: 0;
    padding: 0;
    box-sizing: border-box;
}
a{
    text-decoration: none;
}
ul{
    list-style: none;
```

```css
    }
.active{
  color: #fc036b;
  text-decoration: underline;
  font-weight: bold;
```

```css
}
body , html{
    overflow-x: hidden;
}

/* Navbar */
.navbar{
    p
    o
    s
    i
    t
    i
    o
    n
    :
    a
    b
    s
    o
    l
    u
    t
    e
    ;
    t
    o
    p
    :
    0
    ;
    l
    e
    f
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    :
    0
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    d
    i
    s
    p
    l
    a
    y
    :
    f
```

lex; width: 100%; justify-content: space-between; p

```css
    adding: 20px;
    color: whitesmoke;
}
.nav-links {
    display: flex;
    align-items: center;
}
.nav-li
```

```css
nks li{
    margin: 0 30px;
}

header{
    width: 100vw;
    height: 100v
```

h
;
backgr
ound-
image:
url(./I
mages/
backgr
ound3.
jpg);
backgr
ound-
positio
n:
center;
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y
:
f

lex; align-items: flex-end; justify-content: cente

```
    r
    ;
}
.header-content{
    margin-bottom: 150px;
```

```
  color: whitesmoke;
  text-align: center;
}
.header-co
```

```
ntenth2{
font-size: 4vmin;
}
.line{
width: 150px;
height: 4
```

px;background:#fc036b;margin:10px auto;border-r

```
adius: 5px;
}
.header-content h1 {
    font-size: 7vmin;
    m
```

```css
    margin-top: 50px;
    margin-bottom: 30px;
}
.ctn{
    padding: 8px 15px;
    background: #
```

```css
fc036b;
border-radius: 30px;
color: whitesmoke;
}
.menu-btn{
```

position:absolute;top:30px;right:30px;width:40

```css
px; cursor: pointer; display: none; }

/* About Project
```

```
*/
section{
    width: 80%;
    margin: 80px auto;
}
.title{
    text-alig
```

n:center;font-size:4vmin;

```css
    color: #49497e;
}
.row{
  display: flex;
  a
  l
  i
  g
  n
  -
  i
  t
  e
  m
  s
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  e
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  :
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  0
  %
  ;
  justify-content: space-between;
}
.
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  o
  w
  .
  c
  o
  l
  {
  d
  i
```

splay: flex; flex-direction: column; align-items: ce

```
nter;
}
.events.row{
margin-top:50px;
}
h4{
font-size:
```

```css
3vmin;
        color: #484872;
        margin: 20px auto;
    }
    p{
        color: #7
```

```
c7c7c; padding: 0px 40px;
}
.events .ctn{
    margin-top: 30px;
}

.explore{width: 100%;
```

```
height: 100vh;
background
-
image
:
url(./I
mage
s/bac
kgrou
nd.jp
g);
background
round
-
positi
on:
top;
b
a
c
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g
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-
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z
e
:
c
o
v
e
r
;
b
a
c
k
g
r
```

```
ound-repeat: no-repeat;
display: flex;
  align-items: center;
}
.explore-
```

```
content{width: 60%;
```

padding: 50px; color: whitesmoke; display: flex; ali

```
gn-items: center; flex-direction: column; }
.explor
```

```
e-content h1 {
font-size: 7vmin;
}
.explore-content.
```

```css
line
{
margin-bottom: 50px;
}
.explore-content p{
    color: rgb(221, 221, 221);
}
.explore-content.c
```

```
t
n
{
m
a
r
g
i
n
-
t
o
p
:
4
0
p
x
;
}
.footer{
    width: 100%;
m
i
n
-
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i
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t
h
:
1
0
0
p
x
;
p
a
d
d
i
n
g
:
```

20px 80px; margin: 0; background: #66d9ff; text-align

```css
n
:
center
;
}
.footer p{
color
:
whitesmoke
;
margin
:
20px
auto
;
}
/* Mobile device */
```

```css
@media only screen and (max-width:850px){
    .menu-btn{
        display: block;
    }
    .navbar{
        padding: 0;
    }
    .logo{
```

position:absolute;top:30px;

```css
    left: 30px;
}
.nav-links{
    flex-direction: column;
    width: 100%;
    height: 100vh;
    justify-c
```

ontent: center; background: #66d9ff; margin-top: -9

```
00px; transition: all 0.5s ease;
}
.mobile-menu { margi
```

```
          n
          -
          t
          o
          p
          :
          0
          p
          x
          ;
      border-bottom-right-radius: 30%;
    }
    .nav-links li{
      margin: 30px auto;
    }
}
```

Login.html
```html
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Login & Register</title>
    <link rel="stylesheet" href="style.css">
    <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.6.3/css/all.css">
  </head>
  <body>
    <div class="container" id="container">
      <div class="form-container sign-up-container">
        <form action="#">
          <h1>Sign Up</h1>
          <div class="social-container">
            <a href="#" class="social"><i class="fab fa-facebook-f"></i></a>
            <a href="#" class="social"><i class="fab fa-google-plus-g"></i></a>
            <a href="#" class="social"><i class="fab fa-linkedin-in"></i></a>
          </div>
```

```html
        <span>or use your email for registration</span>
        <input type="text" placeholder="Username">
        <input type="email" placeholder="Email">
        <input type="password" placeholder="Password">
        <button>Sign Up</button>
      </form>
    </div>
    <div class="form-container sign-in-container">
      <form action="#">
        <h1>Sign In</h1>
        <div class="social-container">
          <a href="#" class="social"><i class="fab fa-facebook-f"></i></a>
          <a href="#" class="social"><i class="fab fa-google-plus-g"></i></a>
          <a href="#" class="social"><i class="fab fa-linkedin-in"></i></a>
        </div>
        <span>or use your account</span>
        <input type="email" placeholder="Email">
        <input type="password" placeholder="Password">
        <button>Sign In</button>
      </form>
    </div>
    <div class="overlay-container">
      <div class="overlay">
        <div class="overlay-panel overlay-left">
          <h1>Sample Text</h1>
          <p>Sample Text</p>
          <button class="press" id="signIn">Sign In</button>
        </div>
        <div class="overlay-panel overlay-right">
          <h1>Sample Text</h1>
          <p>Sample Text</p>
          <button class="press" id="signUp">Sign Up</button>
        </div>
      </div>
    </div>
  </div>

<script>
  const
  signUpButton =
  document.getElem
  entById("signUp"
  ); const
  signInButton =
  document.getElem
  entById("signIn");
```

```javascript
const container =
document.getElem
entById("containe
r");
```

```
signUpButton.addEventListener('click',() => {
container.cla
```

```
sList.add("right-panel-active");
})

signInButton.addEventListener('click',()=>{
container.classList.remove("right-panel-
```

```
        activ
        e");
      })
    </script>
  </body>
</html>
```

Register.html
```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Login & Register</title>
    <link rel="stylesheet" href="style.css">
    <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.6.3/css/all.css">
  </head>
  <body>
    <div class="container" id="container">
      <div class="form-container sign-up-container">
        <form action="#">
          <h1>Sign Up</h1>
          <div class="social-container">
            <a href="#" class="social"><i class="fab fa-facebook-f"></i></a>
            <a href="#" class="social"><i class="fab fa-google-plus-g"></i></a>
            <a href="#" class="social"><i class="fab fa-linkedin-in"></i></a>
          </div>
          <span>or use your email for registration</span>
          <input type="text" placeholder="Username">
          <input type="email" placeholder="Email">
          <input type="password" placeholder="Password">
          <button>Sign Up</button>
        </form>
      </div>
      <div class="form-container sign-in-container">
```

```html
    <form action="#">
      <h1>Sign In</h1>
      <div class="social-container">
        <a href="#" class="social"><i class="fab fa-facebook-f"></i></a>
        <a href="#" class="social"><i class="fab fa-google-plus-g"></i></a>
        <a href="#" class="social"><i class="fab fa-linkedin-in"></i></a>
      </div>
      <span>or use your account</span>
      <input type="email" placeholder="Email">
      <input type="password" placeholder="Password">
      <button>Sign In</button>
    </form>
  </div>
  <div class="overlay-container">
    <div class="overlay">
      <div class="overlay-panel overlay-left">
        <h1>Sample Text</h1>
        <p>Sample Text</p>
        <button class="press" id="signIn">Sign In</button>
      </div>
      <div class="overlay-panel overlay-right">
        <h1>Sample Text</h1>
        <p>Sample Text</p>
        <button class="press" id="signUp">Sign Up</button>
      </div>
    </div>
  </div>
</div>

<script>
  const
  signUpButton =
  document.getElem
  entById("signUp"
  ); const
  signInButton =
  document.getElem
  entById("signIn");
  const container =
  document.getElem
  entById("containe
  r");

  sig
    n
    U
```

```
pButton.addEventListener('click',() => {
  container.classL
```

```
ist.add("right-panel-active");
})

signInButton.addEventListener('click',()=>{
container.classList.remove("right-panel-active");
})
```

```
        </script>
    </body>
</html>
```

Style.css
```css
@import url('https://fonts.googleapis.com/css?family=Montserrat:400,800');

*{
    margin: 0;
    padding: 0;
    box-sizing: border-box;
}
body{
    b
    a
    c
    k
    g
    r
    o
    u
    n
    d
    -
    c
    o
    l
    o
    r
    :
    #
    f
    6
    f
    5
    f
    7
    ;
    d
    i
    s
    p
    l
    a
    y
    :
```

flex; justify-content: center; align-items: cente

r; font-family: 'Montserrat', sans-serif; height: 1

```
    0
    0
    v
    h
    ;
    margin: 0 auto;
}
.container{
    b
    a
    c
    k
    g
    r
    o
    u
    n
    d
    -
    c
    o
    l
    o
    r
    :
    #
    f
    f
    f
    ;
    b
    o
    r
    d
    e
    r
    -
    r
    a
    d
    i
    u
    s
    :
    1
    0
```

px; width: 768px; max-width: 100%; min-height: 480px

; position: relative; overflow: hidden;
```
  box-shadow: 0px 14px 28px rgba(0, 0, 0, 0.25),
          0px 10px 10px rgba(0, 0, 0, 0.22);
}
.
  form-co
```

```css
ntainer{
position:absolute;
top:0;
height: 100%;
transition: all 0.6 ease-in-out;
}
.
sign-up-con
```

tainer
{
left
:
0
;
width: 50%;

```
    z-index: 1;
    opacity: 0;
}
form{
    b
    a
    c
    k
    g
    r
    o
    u
    n
    d
    -
    c
    o
    l
    o
    r
    :
    #
    F
    F
    F
    F
    F
    F
    ;
    d
    i
    s
    p
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    y
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    f
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    x
    ;
    a
    l
    i
    g
    n
```

-items: center; justify-content: center; flex-dire

ction: column; padding: 0 50px; height: 100%; text-al

```
ign: center;
}
h1{
    font-weight: bold;
    margin: 0;
}
.social
```

```
-container {
  margin: 20px 0;
}
.social-container a {
  bo
```

rder: 1px solid gray; border-radius: 50%; display: in

line-flex; justify-content: center; align-items: c

```
enter;margin:0 5px;height:40px;width:40px;}
a{
col
o
l
```

or:#333;font-size:14px;text-decoration:none;mar

```css
        g
        i
        n
        :
        1
        5
        p
        x
        0
        ;
}
span{
    font-size: 12px;
}
input{
    background-color: #eee;
```

border: none;
text-decoration: none; margin: 8px 0; padding: 12px

```css
15px;
width: 100%;
}
button{
    border-radius: 20px;
    border: 1px solid #FF4B2B;
    back
    c
    k
```

ground-color: #FF4B2B; color: #FFFFFF; font-size: 12

px;font-weight:bold;padding:12px45px;letter-spa

cing: 1px; text-transform: uppercase; transition: t

```
ransform .8s ease-in;
}
.sign-in-container {
left: 0;
width: 50%;
```

```css
    z-index: 2;
}
.overlay-container {
    position: absolute;
    top: 0;
    left: 50%;
```

```css
    width: 50%;
    height: 100%;
    overflow: hidden;
    z-index: 100;
    transition: transform 0.6s ease-in-out;
}
.overlay{
    background-color: #FF416C;
```

background: linear-gradient(to right,#FF4B2B,#FF416C); background-repeat: no-repeat; background-size: cover; background-positi

on:00;color:#FFFFF;position:relative;

```
    left: -100%;
    height: 100%;
    width: 200%;
    transform: translateX(0);
    transition: transform .6s ease-in-out;
}
.
  o
  v
  e
  r
  l
  a
  y
  -
  p
  a
  n
  e
  l
  {
  p
  o
  s
  i
  t
  i
  o
  n
  :
  a
  b
  s
  o
  l
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```

: f l e x ; a l i g n - i t e m s : c e n t e r ; j u s t i f y - c o n t e n t : c e n t e

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a

```
lign: center;
   top: 0;
   height: 100%;
   width: 50%;
   transform: translateX(0);
   transition: transform .6s ease-in-out;
}
.overlay-left{
   transform: translateX(-20%);
}
.overlay-right{
   right: 0;
   transform: translateX(0);
}
```

```css
button:active{
    transform:scale(.95);
}
button.press{
    background
```

```
-color:transparent;border-color:#FFFFFF;}
p{
    font-
```

size: 14px; font-weight: 100; line-height: 20px; let

```
t
e
r
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a
c
i
n
g
:
.
5
;
    margin: 20px 0 30px;
}
```

```
.container.right-panel-active.sign-in-container {
    transf
```

```css
orm: translateX(100%);
}

.container.right-panel-active .sign-up-container {
```

```
ner
{
tr
a
ns
fo
r
m
:
tr
a
ns
la
te
X
(1
0
0
%
);
opacity: 1;
z
-
i
n
d
e
x
:
5
;
a
n
i
m
a
t
i
o
n
:
s
l
i
d
```

```
e 0.6s;
}
@keyframes slide {
0%, 49.99% {
    opacity: 0;
    z-index: 1;
}
50%, 100% {
    opacity: 1;
```

```
      z-index: 5;
    }
}
.container.right-panel-active.overlay-container {
    transform: translateX(-
```

```
100%);
}
.container.right-panel-active .overlay {
tr
```

```
ansform: translateX(50%);
}
.container .right-pane
```

```
l-active .overlay-left{transform:translateX(0);
```

```
}

.container.right-panel-active .overlay-right {
	tr
```

```
ansform: translateX(20%);
}
```