

Project Development Phase

Sprint-4

Date	14 th November 2022
Team ID	PNT2022TMID02193
Project Name	VirtualEye – Life Guard for Swimming Pools to Detect Active Drowning
Maximum Marks	4 Marks

Detection

// detection.html

```
{% extends 'base.html' %}

{% block head %}
<link rel="stylesheet" href="styles.css">
<script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min
.js"></script>
<style>

    #detection-about {
        rotate: 270deg;
    }

    #detection-logout {
        rotate: 270deg;
    }

    #detection-about: hover {
        color: black;
        background:rgb(67, 67, 245);
        padding: 1vh;
    }
```

```
#detection-logout:hover {
  color: black;
  background:rgb(67, 67, 245);
  padding: 1vh;
}

#alert-btn:hover {
  background: white;
  color: black;
  border-width: 0 5px 5px 0;
  border-color: black rgb(67, 67, 245) rgb(67, 67, 245) black;
  opacity: 100%;
}

#activateAlarm-btn:hover {
  background: white;
  color: black;
  border-width: 0 5px 5px 0;
  border-color: black rgb(67, 67, 245) rgb(67, 67, 245) black;
  opacity: 100%;
}
</style>
<script>

// Potential Counter

const delay = ms => new Promise(res => setTimeout(res, ms));

const update_counter = () => {
  $.ajax({
    url: "/counter",
    type: "POST",
    dataType: "json",
```

```

    success: async function(data) {
      console.log("potential subject drowning: " +
parseInt(data[1].slice(26,-7)))
      $(object_counter).replaceWith(data)
      if (parseInt(data[1].slice(26,-7)) > 0) {
        await delay(2000)
      }
      update_counter()
    }
  })
}

```

```

update_counter()

```

```

</script>

```

```

{% endblock %}

```

```

{% block body %}

```

```

<body style="overflow: hidden;" class="bg-black">

```

```

  <div class="container mx-auto mt-5">

```

```

    <div class="container bg-black px-5 grid">

```

```

      <h1 class="px-10 py-10 text-8xl text-white font-
bold">v<span class="text-blue-600">eye</span></h1>

```

```

      <div style="display: inline-block; position: absolute; top:
25%; right: 0">

```

```

        <button id="detection-about" class="bg-black text-blue-
600 text-5xl m-5 pr-2 pb-2">about</button>

```

```

      </div>

```

```

      <div style="display: inline-block; position: absolute; top:
60%; right: 0">

```

```

        <button id="detection-logout" class="bg-black text-blue-
600 text-5xl m-5 pt-2 pr-2 pb-2">logout</button>

```

```

      </div>

```

```

</div>
<div>
    
    <div style="display: inline-block; position: relative; top: -
50px; left: 5%">
        <button id="alert-btn" class="bg-black opacity-10 font-
bold text-white text-5xl m-5 pr-8 pb-2">alert guards</button>
        <br/>
        <input id="alert-message"
style="position: absolute; width: 20vw; height: 80px;
border-radius: 5px;"
class="text-2xl text-white bg-gray-700 m-5 p-2"
placeholder="type a message">
        <br/>
        <button style="position: fixed; margin-top: 110px"
id="activateAlarm-btn" class="bg-black opacity-10 font-bold text-
white text-5xl ml-5 mr-5 mb-5 pr-2 pb-2">activate alarm</button>
    </div>
</div>
<div class="container bg-black px-5">
    <h1 class="px-10 py-10 text-4xl text-white">potential
subject drowning: <span class="text-red-500"
id="object_counter">{{ dyn_var }}</span></h1>
</div>
</div>
<script type="module" src="{{ url_for('static',
filename="js_modules/alarm.js") }}"></script>
<script type="module" src="{{ url_for('static',
filename="js_modules/sms.js") }}"></script>
<script type="text/javascript">
    var detection_logout = document.getElementById("detection-
logout")

```

```

    var detection_about = document.getElementById("detection-
about")
    var alert_btn = document.getElementById("alert-btn")
    var activate_alarm =
document.getElementById("activateAlarm-btn")

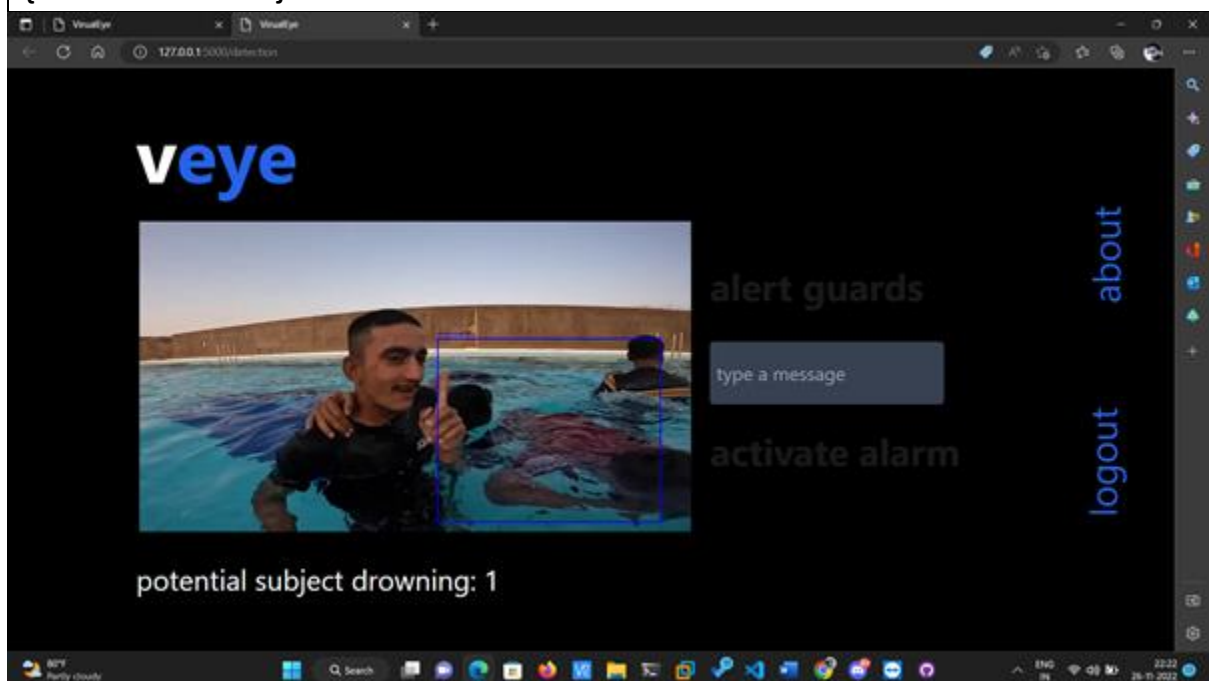
    detection_logout.addEventListener("click", () => {
        window.open("/logout", "_blank")
        window.close()
    })

    detection_about.addEventListener("click", () => {
        window.open("/about", "_blank")
        window.close()
    })

</script>
</body>

{% endblock %}

```



Alarm Module

// alarm.js

```
var alarm = document.getElementById("activateAlarm-btn")
var audio = new Audio("alarm.mp3")

alarm.addEventListener("click", ()=>{
  // window.alert("alarm button pressed!")
  audio.play()
})
```

Logout

> app.py – logout section

```
@app.route('/logout')
def logout():
    if session.get("login_username"): session.pop("login_username")
    if session.get("login_password"): session.pop("login_password")
    if session.get("user_token"): session.pop("user_token")
    return redirect("/")
```