Project Development Phase

Sprint-3

Date	10th 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;
  }
```

```css
    #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>
            <img style="display: inline-block; position: relative; left: 5%" class=""
src="{{url_for('video')}}" width="55%"/>
            <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>
```

```html
        </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 %}
```
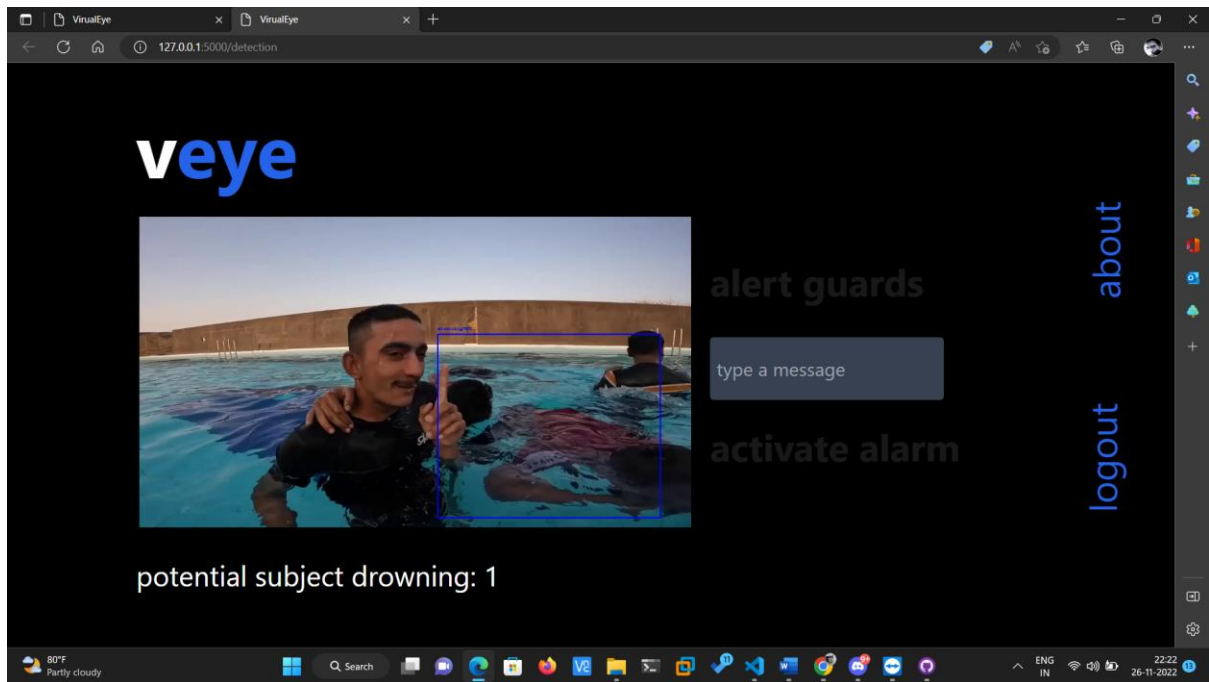
// sms.js

```javascript
import { Vonage } from "@vonage/server-sdk";

var alert_message = document.getElementById("alert-message")

var activate_alarm = document.getElementById("activateAlarm-btn")

    activate_alarm.addEventListener("click", () => {
      // window.alert("alarm button pressed!")
      console.log(alert_message.value)
    })


const vonage = new Vonage({
   apiKey: '<key>',
   apiSecret: '<secret>'
})

const from = "Vonage APIs"
const to = "<phone_number>"
const text = alert_message

vonage.message.sendSMs(from, to, text, (err, responseData) => {
   if (err) {
```

```
        console.log(err);
    } else {
        if(responseData.messages[0]['status'] === "0") {
            console.log("Message sent successfully.");
        } else {
            console.log(`Message failed with error:
${responseData.messages[0]['error-text']}`);
        }
    }
})
```

// alarm.js

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

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