SPRINT-4

TEAM ID	PNT2022TMID10968
PROJECT NAME	INDUSTRY - SPECIFIC INTELLIGENT FIRE MANAGEMENT SYSTEM
IBM ID	IBM-Project-62210-1658823576

CODE:

```html
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
 <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
 <title>Welcome To Login Form</title>
 <script type="text/javascript" src="http://code.jquery.com/jquery-1.6.min.js"></script>
 <script type="text/javascript"
src="https://fastly.jsdelivr.net/npm/echarts@5.4.0/dist/echarts.min.js"></script>
 <!-- Complete css for whole page. -->
 <style type="text/css">
  /* body css for whole page */
  body {
   margin: 0px;
   background-color: black;
   color: #f9fcf5;
   font-family: Times New Roman, Helvetica, sans-serif;
  }
  body.login {
   background-image: url(https://capstonefire.com/wp-content/uploads/2018/04/Capstone-
Fire-Industrial-Fire-Services.jpg);
   background-repeat: no-repeat;
   background-size: cover;
```

```css
}
#main {
  max-width: 600px;
  height: 260px;
  margin-left: auto;
  margin-right: auto;
  border-radius: 5px;
  padding-left: 10px;
  margin-top: 100px;
  border-top: 3px double #f1f1f1;
  border-bottom: 3px double #f1f1f1;
  border-right: 3px double #f1f1f1;
  border-left: 3px double #f1f1f1;
  padding-top: 20px;
  background: #fff;
}
#main table {
  font-family: "Comic Sans MS", cursive;
}
/* css code for textbox */
#main .tb {
  height: 28px;
  border: 1px solid #262b28;
  font-weight: bold;
  opacity: 0.9;
  padding: 0 10px;
}
 /* css code for button*/
#main .btn {
  width: 60%;
  height: 32px;
  outline: none;
```

```css
  font-weight: bold;

  border: 0px solid #27a465;

  text-shadow: 0px 0.5px 0.5px #fff;

  border-radius: 2px;

  font-weight: 600;

  color: white;

  letter-spacing: 1px;

  font-size: 14px;

  background-color: blue;

  -webkit-transition: 1s;

  -moz-transition: 1s;

  transition: 1s;

}
#main .btn:hover {

  background-color: black;

  outline: none;

  border-radius: 2px;

  color: black;

  border: 1px solid black;

  -webkit-transition: 1s;

  -moz-transition: 1s;

  transition: 1s;

}
#temprature-section,
.w3-container {

  margin-top: 30px;

  background-color: white;

  width: 100vw;

  display: flex !important;

  align-items: center;

  justify-content: center;

  height: 100%;
```

```css
    }
    #GasSensor.show {
     justify-content: space-around;
    }
    @media (max-width: 600px) {
     #GasSensor {
      flex-direction: column;
      justify-content: space-around;
      align-items: center;
     }
body.login {
      background-repeat: repeat;
     }
    }

    #temperature-infos {
     margin-top: 10px;
     color:black;
    }

    .info-section {
     display: flex;
     justify-content: space-between;
     margin-bottom: 10px;
     color:black;
    }

    .indicator {
     width: 10px;
     height: 10px;
     background: green;
     border-radius: 100%;
```

```css
  }


.w3-black {
  background-color: white;
  width: 100vw;
  display: flex;
  align-items: center;
  gap: 1rem;
  justify-content: center;
}


.w3-black button.w3-button {
  margin: 10px 0px;
  padding: 5px 10px;
}


.w3-button.active {
  background-color: red;
  color: black;
  border: 1px solid red;
  padding: 6px 10px !important;
}


.w3-container {
  display: none !important;
}


.w3-container.active {
  display: flex !important;
}
```

```css
    .alerting {
      border: 1px solid red;
      padding: 16px;
      font-weight: bold;
      background-color: rgb(238, 123, 123);
      color: green;
      text-align: center;
    }

    .alerting .info-msg {
      font-size: 14px;
      font-weight: 400;
      margin-top: 10px;
      opacity: 0.8;
    }
</style>
<!-- Css ending here. -->


<!-- Complete javascript for login. -->
<!-- Add url of javascript -->


<!-- Java Script -->
<script>

  function login() {
    var uname = document.getElementById("email").value;
    var pwd = document.getElementById("pwd1").value;
    var filter = /^([a-zA-Z0-9_\.\-])+\@((([a-zA-Z0-9\-])+\.)+([a-zA-Z0-9]{2,4})+$/;
    if (uname == '') {
      alert("please enter user name.");
    }
    else if (pwd == '') {
```

```javascript
      alert("enter the password");

    }
    else if (pwd == "Admin" && uname == "Admin") {
      alert('Login Success...Redirecting to Dashboard');
      $("body").removeClass("login");
      $(".login-page").hide();
      $(".chart-page").show();
      try{
        sendSMS();
      }
      catch(e){
        console.log(e);
      }
    }
    else {
      alert("Invalid Login Credentials");
    }
  }
  function clearFunc() {
    document.getElementById("email").value = "";
    document.getElementById("pwd1").value = "";
  }

  function sendSMS() {
    var myHeaders = new Headers();
    myHeaders.append("Content-Type", "application/x-www-form-urlencoded");


    var urlencoded = new URLSearchParams();
    urlencoded.append("from", "Vonage APIs");
    urlencoded.append("text", "FIRE ALERT !!!... THE FIRE ALERT HAS BEEN
ACTIVATED IN THE CANTEEN AREA OF THE OFFICE PLEASE LEAVE THE
BUILDING IMMEDIATELY");
    urlencoded.append("to", "8122522092");
```

```
      urlencoded.append("api_key", "b88f337d");
      urlencoded.append("api_secret", "Tg8ZCh1NlGxKsz01");


      var requestOptions = {
        method: 'POST',
        headers: myHeaders,
        body: urlencoded,
        redirect: 'follow'
      };


      fetch("https://rest.nexmo.com/sms/json", requestOptions)
        .then(response => response.text())
        .then(result => console.log(result))
        .catch(error => console.log('error', error));
    }


  </script>
  <!-- Javascript ending here.. -->
</head>

<body class="login">
  <div id="main" class="login-page">
    <div class="h-tag">
      <h2>
        <center style="color: blue;">LOGIN FORM</center>
      </h2>
    </div>
    <div class="login">
      <table cellspacing="2" align="center" cellpadding="8" border="0">
        <tr>
          <td style="color: blue;">USERNAME :</td>
          <td><input type="text" placeholder="Enter User Name" id="email" class="tb" /></td>
```

```html
      </tr>

      <tr>

       <td style="color: blue;">PASSWORD :</td>

       <td><input type="password" placeholder="Enter Password" id="pwd1" class="tb"
/></td>

      </tr>

      <tr>

       <td></td>

       <td>

        <input type="submit" value="Login" class="btn" onClick="login()" />

       </td>

      </tr>

    </table>

   </div>

  </div>


  <div class="chart-page" style="display: none;">

   <h1 style="text-align: center;">FIRE ALERT APP</h1>


   <div class="alerting">

     FIRE ALERT !!!... THE FIRE ALERT HAS BEEN ACTIVATED IN THE
PRODUCTION AREA OF THE OFFICE PLEASE LEAVE THE BUILDING

     IMMEDIATELY

     <div class="info-msg">MESSAGE SENT SUCCESSFULLY ON YOUR MOBILE
NUMBER : XX-XXXX-4052.

     IF YOU DID NOT RECEIVE MESSAGE, PLEASE ENABLE CROSS ORIGIN BY
INSTALLING PLUGIN <a target="_blank"

     href="https://chrome.google.com/webstore/detail/allow-cors-access-
control/lhobafahddgcelffkeicbaginigeejlf?hl=en">Click Here</a></div>

   </div>


   <div class="w3-bar w3-black">

     <button class="w3-bar-item w3-button tablink active"
onclick="openTab(event,'Temperature')">TEMPERATEURE</button>
```

```html
      <button class="w3-bar-item w3-button tablink"
onclick="openTab(event,'GasSensor')">GAS SENSOR</button>
  </div>


  <div id="Temperature" class="w3-container w3-border active">
    <div id="temprature-section">
      <div id="body-section" style="width: 300px;">
        <header style="font-size: 30px; text-align: center; margin-bottom: 30px;
">Temperature</header>
        <div id="temperature-chart-container" style="width: 300px; height: 300px; text-align:
center;">


        </div>
        <div id="temperature-infos">
          <div class="info-section">
            <div class="label">Water Sprinkler</div>
            <div class="indicator"></div>
          </div>
          <div class="info-section">
            <div class="label">Fire Alarm</div>
            <div class="indicator"></div>
          </div>
          <div class="info-section">
            <div class="label">Exhaust Fan</div>
            <div class="indicator"></div>
          </div>
        </div>
      </div>
    </div>
  </div>


  <div id="GasSensor" class="w3-container w3-border city">
    <div id="n2o-section">
```

```html
        <div id="body-section" style="width: 300px;">
          <header style="font-size: 30px; text-align: center; margin-bottom: 30px; ">Nitrogen di Oxide</header>
          <div id="n2o-chart-container" style="width: 300px; height: 300px; text-align: center;">

          </div>

        </div>
      </div>
      <div id="cmo-section">
        <div id="body-section" style="width: 300px;">
          <header style="font-size: 30px; text-align: center; margin-bottom: 30px; ">Carbon Mono Oxide</header>
          <div id="cmo-chart-container" style="width: 300px; height: 300px; text-align: center;">

          </div>

        </div>
      </div>
      <div id="co2-section">
        <div id="body-section" style="width: 300px;">
          <header style="font-size: 30px; text-align: center; margin-bottom: 30px; ">Carbon di Oxide </header>
          <div id="co2-chart-container" style="width: 300px; height: 300px; text-align: center;">

          </div>

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

</div>

<!-- Main div ending here... -->
```html
<script>
    function openTab(evt, cityName) {
      $(".w3-container,.w3-button").removeClass("active");
      $(evt.target).addClass("active");
      $(`#${cityName}`).addClass("active");
    }

    function temperatureChart() {

      var dom = document.getElementById('temperature-chart-container');
      var myChart = echarts.init(dom, 'dark', {
        renderer: 'canvas',
        useDirtyRect: false
      });
      var app = {};

      var option;

      option = {
       series: [
         {
           type: 'gauge',
           center: ['50%', '60%'],
           startAngle: 200,
           endAngle: -20,
           min: 0,
           max: 60,
           splitNumber: 12,
           itemStyle: {
```

```
      color: '#FFAB91'
    },
    progress: {
      show: true,
      width: 30
    },
    pointer: {
      show: false
    },
    axisLine: {
      lineStyle: {
        width: 30
      }
    },
    axisTick: {
      distance: -45,
      splitNumber: 5,
      lineStyle: {
        width: 2,
        color: '#999'
      }
    },
    splitLine: {
      distance: -52,
      length: 14,
      lineStyle: {
        width: 3,
        color: '#999'
      }
    },
    axisLabel: {
      distance: -20,
```

```
        color: '#999',
        fontSize: 20
      },
      anchor: {
        show: false
      },
      title: {
        show: false
      },
      detail: {
        valueAnimation: true,
        width: '60%',
        lineHeight: 40,
        borderRadius: 8,
        offsetCenter: [0, '-15%'],
        fontSize: 30,
        fontWeight: 'bolder',
        formatter: '{value} °C',
        color: 'auto'
      },
      data: [
        {
          value: 30
        }
      ]
    },
    {
      type: 'gauge',
      center: ['50%', '60%'],
      startAngle: 200,
      endAngle: -20,
      min: 0,
```

```
    max: 60,
    itemStyle: {
      color: '#FD7347'
    },
    progress: {
      show: true,
      width: 8
    },
    pointer: {
      show: false
    },
    axisLine: {
      show: false
    },
    axisTick: {
      show: false
    },
    splitLine: {
      show: false
    },
    axisLabel: {
      show: false
    },
    detail: {
      show: false
    },
    data: [
      {
        value: 30
      }
    ]
  }
```

```
      ]
    };
    setInterval(function () {
      const random = Math.floor(Math.random() * 5) + 30;
      myChart.setOption({
        series: [
          {
            data: [
              {
                value: random
              }
            ]
          },
          {
            data: [
              {
                value: random
              }
            ]
          }
        ]
      });
    }, 2000);

    if (option && typeof option === 'object') {
      myChart.setOption(option);
    }

    window.addEventListener('resize', myChart.resize);
}

function n2oGasCensorChart() {
```

```javascript
var dom = document.getElementById('n2o-chart-container');
var myChart = echarts.init(dom, 'dark', {
  renderer: 'canvas',
  useDirtyRect: false
});
var app = {};

var option;
option = {
  series: [
    {
      type: 'gauge',
      axisLine: {
        lineStyle: {
          width: 30,
          color: [
            [0.3, '#67e0e3'],
            [0.7, 'orange'],
            [1, '#fd666d']
          ]
        }
      },
      pointer: {
        itemStyle: {
          color: 'auto'
        }
      },
      axisTick: {
        distance: -30,
        length: 8,
        lineStyle: {
```

```
        color: '#fff',
        width: 2
      }
    },
    splitLine: {
      distance: -30,
      length: 30,
      lineStyle: {
        color: '#fff',
        width: 4
      }
    },
    axisLabel: {
      color: 'auto',
      distance: 40
    },
    detail: {
      valueAnimation: true,
      formatter: '{value} °C',
      color: 'auto',
      fontSize: 14
    },
    data: [
      {
        value: 85
      }
    ]
  }
 ]
};
setInterval(function () {
 myChart.setOption({
```

```
      series: [
        {
          data: [
            {
              value: Math.floor(Math.random() * 5) + 80
            }
          ]
        }
      ]
    });
  }, 2000);

  if (option && typeof option === 'object') {
    myChart.setOption(option);
  }

  window.addEventListener('resize', myChart.resize);
}

function cmoGasCensorChart() {

  var dom = document.getElementById('cmo-chart-container');
  var myChart = echarts.init(dom, 'dark', {
    renderer: 'canvas',
    useDirtyRect: false
  });
  var app = {};

  var option;
  option = {
    series: [
      {
```

```
type: 'gauge',
axisLine: {
  lineStyle: {
    width: 30,
    color: [
      [0.3, '#67e0e3'],
      [0.7, 'orange'],
      [1, '#fd666d']
    ]
  }
},
pointer: {
  itemStyle: {
    color: 'auto'
  }
},
axisTick: {
  distance: -30,
  length: 8,
  lineStyle: {
    color: '#fff',
    width: 2
  }
},
splitLine: {
  distance: -30,
  length: 30,
  lineStyle: {
    color: '#fff',
    width: 4
  }
},
```

```
      axisLabel: {
        color: 'auto',
        distance: 40
      },
      detail: {
        valueAnimation: true,
        formatter: '{value} °C',
        color: 'auto',
        fontSize: 14
      },
      data: [
        {
          value: 30
        }
      ]
    }
  ]
};
setInterval(function () {
  myChart.setOption({
    series: [
      {
        data: [
          {
            value: Math.floor(Math.random() * 5) + 50
          }
        ]
      }
    ]
  });
}, 2000);
```

```
  if (option && typeof option === 'object') {
   myChart.setOption(option);
  }
  window.addEventListener('resize', myChart.resize);
}
function co2GasCensorChart() {

  var dom = document.getElementById('co2-chart-container');
  var myChart = echarts.init(dom, 'dark', {
   renderer: 'canvas',
   useDirtyRect: false
  });
  var app = {};
  var option;
  option = {
   series: [
    {
     type: 'gauge',
     axisLine: {
      lineStyle: {
       width: 30,
       color: [
        [0.3, '#67e0e3'],
        [0.7, 'orange'],
        [1, '#fd666d']
       ]
      }
     },
     pointer: {
      itemStyle: {
       color: 'auto'
      }
```

```
    },
    axisTick: {
      distance: -30,
      length: 8,
      lineStyle: {
        color: '#fff',
        width: 2
      }
    },
    splitLine: {
      distance: -30,
      length: 30,
      lineStyle: {
        color: '#fff',
        width: 4
      }
    },
    axisLabel: {
      distance: 40,
      fontSize: 10
    },
    detail: {
      valueAnimation: true,
      formatter: '{value} ℃',
      color: 'auto',
      fontSize: 14
    },
    data: [
      {
        value: 78
      }
    ]
```
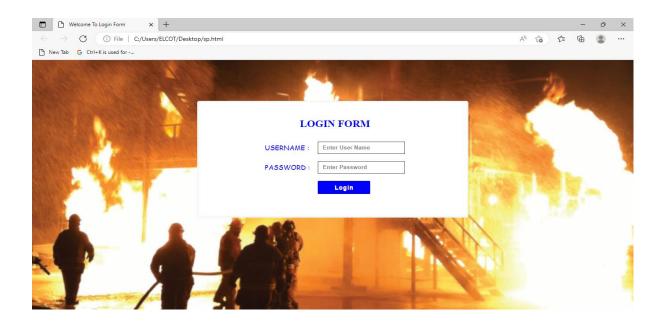
```javascript
            }
          ]
        };
        setInterval(function () {
          myChart.setOption({
            series: [
              {
                data: [
                  {
                    value: Math.floor(Math.random() * 10) + 75
                  }
                ]
              }
            ]
          });
        }, 2000);

        if (option && typeof option === 'object') {
          myChart.setOption(option);
        }

        window.addEventListener('resize', myChart.resize);
      }

    temperatureChart();
function gasCensor() {
    n2oGasCensorChart();
    cmoGasCensorChart();
    co2GasCensorChart();
    }
gasCensor();
  </script>
```
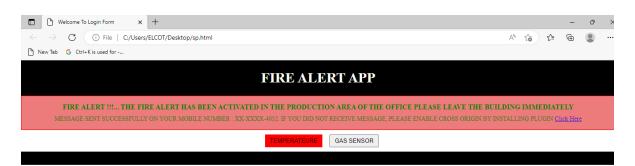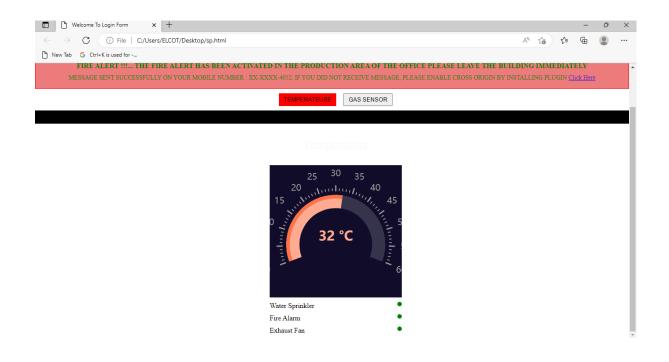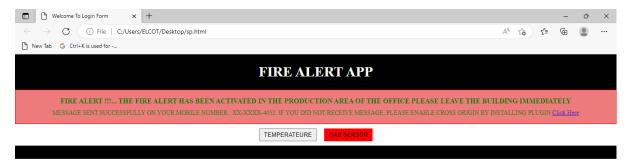
</body>

</html>

OUTPUT: