

SMART WATER FOUNTAIN

PHASE-4

Webpage code:

HTML:

```
<!DOCTYPE html>
<html>
<head>
  <title>Water Fountain Status
Platform</title>
  <link rel="stylesheet" href="styles.css">
</head>
<body>
  <h1>Water Fountain Status</h1>

  <div id="water-fountain-status">
    <table>
      <thead>
        <tr>
          <th>Fountain Name</th>
          <th>Flow Rate</th>
          <th>Status</th>
        </tr>
      </thead>
      <tbody>
```

```
        <tr>
            <td></td>
            <td></td>
            <td></td>
        </tr>
        <tr>
            <td></td>
            <td></td>
            <td></td>
        </tr>
        <tr>
            <td></td>
            <td></td>
            <td></td>
        </tr>
        <tr>
            <td></td>
            <td></td>
            <td></td>
        </tr>
    </tbody>
</table>
</div>
<script src="script.js"></script>
</body>
</html>
```

Styles.css

```
body {
    font-family: sans-serif;
}

h1 {
    text-align: center;
}

#water-fountain-status {
    width: 500px;
    margin: 0 auto;
    border: 1px solid black;
    padding: 10px;
}

#water-fountain-status table {
    width: 100%;
    border-collapse: collapse;
}

#water-fountain-status th, td {
    border: 1px solid black;
    padding: 5px;
}

td, th {
    color: #ff0000;
}
```

```
h1 {  
  font-weight: bold;  
  text-align: center;  
}  
  
body {  
  background-color: #f5f5f5;  
}  
  
td {  
  height: 10px;  
}
```

Script.js

```
// This function would be used to update the  
water fountain status table with the latest  
data  
function updateWaterFountainStatus() {  
  // Get the water fountain status data from  
the server  
  const waterFountainStatusData =  
getWaterFountainStatusData();  
  
  // Get the water fountain status table  
  const tableBody =  
document.querySelector("#water-fountain-status  
tbody");
```

```

    // Iterate over the water fountain status
    data
    for (let i = 0; i <
waterFountainStatusData.length; i++) {
        const waterFountainStatus =
waterFountainStatusData[i];

        // Get the existing table row for the
water fountain, if it exists
        const existingTableRow =
tableBody.querySelector(`tr[data-fountain-
name="${waterFountainStatus.fountainName}"]`);

        // If the existing table row does not
exist, then create a new row
        if (!existingTableRow) {
            const newTableRow =
document.createElement("tr");
            newTableRow.setAttribute("data-
fountain-name",
waterFountainStatus.fountainName);
            tableBody.appendChild(newTableRow);
        }

        // Update the existing table row with the
latest data
        const fountainNameCell =
existingTableRow.querySelector("td:first-
child");
        fountainNameCell.textContent =
waterFountainStatus.fountainName;

```

```
        const flowRateCell =
existingTableRow.querySelector("td:nth-
child(2)");
        flowRateCell.textContent =
waterFountainStatus.flowRate;

        const statusCell =
existingTableRow.querySelector("td:nth-
child(3)");
        statusCell.textContent =
waterFountainStatus.status;

        const countCell =
existingTableRow.querySelector("td:last-
child");
        countCell.textContent =
waterFountainStatus.count;
    }
}

const tableBody =
document.querySelector("#water-fountain-status
tbody");

// Add 7 empty rows to the table
for (let i = 0; i < 7; i++) {
    const emptyTableRow =
document.createElement("tr");
    tableBody.appendChild(emptyTableRow);
}
```

```
function getWaterFountainStatusData(){
    // TODO: Implement this function to get the
    water fountain status data from the server.
    // For example, you could use an AJAX
    request to fetch the data from a server.
    var waterFountainStatusData = [
        {
            "fountainName": "Fountain 1",
            "flowRate": 100,
            "status": "OK",
            "count": 2
        },
        {
            "fountainName": "Fountain 2",
            "flowRate": 50,
            "status": "Alert",
            "count": 1
        }
    ];
    return waterFountainStatusData;
}

// Update the water fountain status table every
5 seconds
setInterval(updateWaterFountainStatus, 5000);
```