# Traffic Management System

### **Index.html**:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Traffic Management</title>
  kref=https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.css rel="stylesheet">
  <script src=https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/js/bootstrap.bundle.min.js></script>
  </l></l></l></l></l
  <script src="./script.js"></script>
</head>
<body>
  <div class="container-fluid text-center bg-danger" style="min-height:15vh;">
    <h2 class="text-white py-4 px-5" >TRAFFIC MANAGEMENT SYSTEM</h2>
  </div>
  <div class="container">
    <h2 class="text-center mt-5" >Traffic Light Simulation</h2><br>
    <div class="row mt-3">
      <div class="col-md-3"><h4>Lane 1</h4>
        <h5>Vehicle Count = <span id="ph-level">12</span></h5>
        <div id="traffic-light">
          <input type="radio" name="traffic-light-color" id="color1" value="color1" />
          <input type="radio" name="traffic-light-color" id="color2" value="color2"/>
          <input type="radio" name="traffic-light-color" id="color3" value="colo3" />
         </div>
```

```
</div>
      <div class="col-md-3"><h4> Lane 2</h4>
        <h5>Vehicle Count =<span id="conductivity">42</span></h5>
        <div id="traffic-light">
          <input type="radio" name="traffic-light-color" id="color1" value="color1" />
          <input type="radio" name="traffic-light-color" id="color2" value="color2"/>
          <input type="radio" name="traffic-light-color" id="color3" value="colo3" />
         </div>
      </div>
      <div class="col-md-3"><h4>Lane 3</h4>
        <h5>Vehicle Count = <span id="temperature">18</span></h5>
        <div id="traffic-light">
          <input type="radio" name="traffic-light-color" id="color1" value="color1" />
          <input type="radio" name="traffic-light-color" id="color2" value="color2"/>
          <input type="radio" name="traffic-light-color" id="color3" value="colo3" />
         </div>
      </div>
      <div class="col-md-3"><h4>Lane 4</h4>
        <h5>Vehicle Count = <span id="temperature1">1</span></h5>
        <div id="traffic-light">
<input type="radio" name="traffic-light-color" id="color1" value="color1" />
Hi <input type="radio" name="traffic-light-color" id="color2" value="color2"/>
<input type="radio" name="traffic-light-color" id="color3" value="colo3" />
</div>
      </div>
    </div>
```

```
</div>
</body>
</html>
Style.css:
#traffic-light {
Margin-left: 20px;
Margin-top: 40px;
Background-color:#333;
Width:120px;
Height:320px;
Border-radius:30px;
}
Input {
Appearance: none;
Position: relative;
Left: 50%;
Width:80px;
Height:80px;
Margin-top: 30px;
Margin-left:-40px;
Background-color: grey;
Border-radius: 100%;
Display: block;
&#color1 {
  Background-color: darken( #FF0000,15%);
  &:hover {
   Animation: blink1 1.1s step-end infinite;
  }
```

```
&:checked {
  Background-color: #FF0000;
   Box-shadow: 0 0 6em lighten( #FF0000,10%);
 }
}
&#color2 {
  Background-color: darken(#FFFF00,15%);
  &:hover {
  Animation: blink2 1s step-end infinite;
  }
  &:checked {
   Background-color: #FFFF00;
   Box-shadow: 0 0 6em lighten(#FFFF00,10%);
 }
}
&#color3 {
  Background-color: darken(#00FF00,15%);
  &:hover {
  Animation: blink3 1s step-end infinite;
  }
  &:checked {
   Background-color:#00FF00;
  Box-shadow: 0 0 6em lighten(#00FF00,10%);
 }
}
@keyframes blink1 {
0% {
  Background-color:#FF0000;
```

```
Box-shadow: 0 0 6em lighten(#FF0000,10%);
}
50% {
  Background-color: darken(#FF0000,15%);
  Box-shadow: 0 0 0em transparent;
}
}
@keyframes blink2 {
0% {
  Background-color: #FFFF00;
  Box-shadow: 0 0 6em lighten(#FFFF00,10%);
}
50% {
  Background-color: darken(#FFFF00,15%);
  Box-shadow: 0 0 0em transparent;
}
}
@keyframes blink3 {
0% {
  Background-color: #00FF00;
  Box-shadow: 0 0 6em lighten(#00FF00,10%);
}
50% {
  Background-color: darken(#00FF00,15%);
  Box-shadow: 0 0 0em transparent;
}
}
```

### **Script.js:**

```
Function updateData() {

// Simulated data (replace with actual data retrieval logic)

Const phValue = (Math.random() * 14).toFixed(2);

Const conductivityValue = (Math.random() * 50).toFixed(2);

Const temperatureValue = (Math.random() * 30).toFixed(2);

Const temperature1Value = (Math.random() * 30).toFixed(2);

// Update the HTML elements with the new data

Document.getElementById("ph-level").textContent = phValue;

Document.getElementById("conductivity").textContent = conductivityValue;

Document.getElementById("temperature1").textContent = temperature1Value;

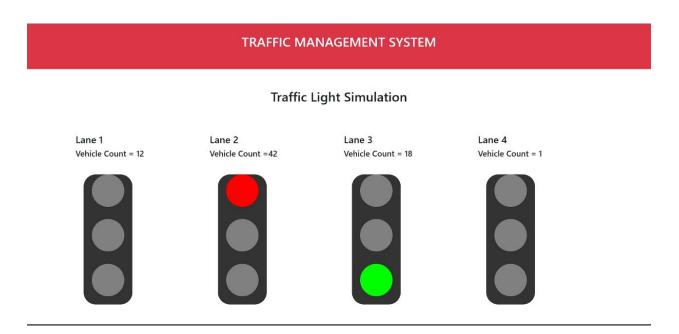
Document.getElementById("temperature").textContent = temperature1Value;

}

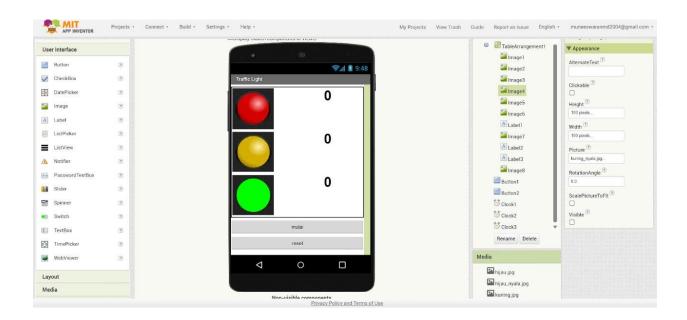
// Poll for updates every 5 seconds (adjust as needed)

setInterval(updateData, 11000);
```

### **Output:**



## **Mobile Application:**



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initiatize global [mil to ] [0] initiatize global [mil to ] [mil to ]
```



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