

TASK 5

5. Change the website color or theme according to time of login and location . If we access the website between 10 AM to 12 Pm as well as if the location is south india (Tamil nadu, Kerala, karnataka, Andhra and Telungana) we should keep white theme and for other timing and other states we should keep dark theme . if the user login from southern states(Tamil nadu, Kerala, karnataka, Andhra and Telungana) we should trigger an email for OTP Verification if the user login from other states we should trigger an OTP through mobile number.

Step 1: Set Up Your Project in VS Code

Open VS Code and create a new folder for your project.

Inside the folder, create the following files:

index.html

Step 2: Write the HTML Structure

Create and open the index.html file, then add the following code:

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
  <meta charset="UTF-8">
```

```
<title>Smart Login</title>
<style>
  body.white-theme {
    background-color: white;
    color: black;
  }
  body.dark-theme {
    background-color: #1e1e1e;
    color: white;
  }
  .container {
    padding: 20px;
    margin-top: 50px;
  }
</style>
</head>
<body>
  <div class="container">
    <h1>Welcome to Smart Login Portal</h1>
    <p id="locationInfo">Detecting location and
time...</p>
```

```
<p id="otpInfo"></p>
</div>
```

```
<script>
  async function detectLocationAndTime() {
    const southStates = ["Tamil Nadu", "Kerala",
"Karnataka", "Andhra Pradesh", "Telangana"];

    let state = "";

    let isSouth = false;

    // Get location from IP

    try {
      const response = await
fetch('https://ipapi.co/json/');

      const data = await response.json();

      state = data.region;

      isSouth = southStates.includes(state);

      document.getElementById('locationInfo').innerText
= `You are in ${state}` ;

    } catch (error) {
```

```
        console.error("Error fetching location:", error);

        document.getElementById('locationInfo').innerText
= "Unable to detect location.";
    }
}
```

```
// Get current time
```

```
const now = new Date();
```

```
const hour = now.getHours();
```

```
const inTimeRange = hour >= 10 && hour < 12;
```

```
// Set theme
```

```
if (isSouth && inTimeRange) {
```

```
    document.body.classList.add("white-theme");
```

```
} else {
```

```
    document.body.classList.add("dark-theme");
```

```
}
```

```
// Trigger OTP
```

```
const otpInfo = document.getElementById('otpInfo');
```

```
if (isSouth) {
```

```
        otpInfo.innerText = "OTP has been sent to your  
EMAIL address (South India)";
```

```
        // Simulated action: sendEmailOTP();
```

```
    } else {
```

```
        otpInfo.innerText = "OTP has been sent to your  
MOBILE number (Other states)";
```

```
        // Simulated action: sendSmsOTP();
```

```
    }
```

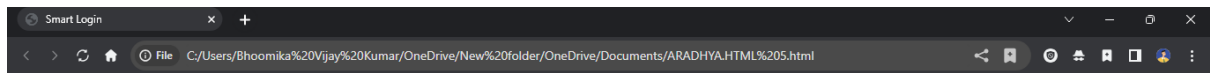
```
}
```

```
detectLocationAndTime();
```

```
</script>
```

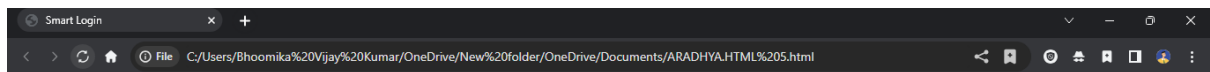
```
</body>
```

```
</html>
```



Welcome to Smart Login Portal

Detecting location and time...



Welcome to Smart Login Portal

You are in Karnataka

OTP has been sent to your EMAIL address (South India)

