HTML and CSS Layout with JS:

- Use HTML to structure the page and CSS (with Bootstrap) to style it.
- Create a responsive layout with a sidebar, navigation and content area for User Display information, Task list display, Date time display.
- Include sections for displaying user information, display user task/order/* list in Table/Grid/Flex and a date/time display on user page.
- Add top priority pending task with a mouse-over colour effect or other effects of your choice.

Basic I/O:

- Provide input fields with form to enter their name and city.
- Display required field validation.
- Display messages using `alert()` or `confirm()` or custom Bootstrap modals before submission.
- Provide List priority button P1, P2, P3, P4. Based on user selection show P1 as High priority, P2 and P3 as Medium priority and P4 as Low priority. Hint: Use Switch

Date/Time Display:

- Display the current date and time.
- Update the time using `setInterval`

CODE:

<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title>User and Task Management</title>

  <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">

  <style>

    body {

```css
    font-family: 'Arial', sans-serif;

    background-color: #f8f9fa;

}

.sidebar {

    height: 100vh;

    background-color: #343a40;

    color: white;

}

.sidebar h4 {

    padding: 10px;

}

.sidebar a {

    color: white;

    padding: 10px 15px;

    display: block;

    text-decoration: none;

}

.sidebar a:hover {

    background-color: #495057;

}

.sidebar-sticky {

    position: sticky;

    top: 0;

}

.content {

    padding: 20px;
```

```css
    min-height: calc(100vh - 60px);

    position: relative;

}

.task-row:hover {

    background-color: #f1f1f1;

}

.high-priority {

    background-color: #f8d7da; /* Light red */

}

.medium-priority {

    background-color: #fff3cd; /* Light yellow */

}

.low-priority {

    background-color: #d4edda; /* Light green */

}

.task-row td {

    vertical-align: middle;

}

.btn-custom {

    background-color: #ffb3b3;

    color: white;

}

.btn-custom:hover {

    background-color: #ff6666;

}

.card-header {
```

```
            background-color: #007bff;

            color: white;

        }

        .footer-datetime {

            position: absolute;

            bottom: 0;

            width: 100%;

            padding: 10px;

            background-color: #007bff;

            color: white;

            text-align: center;

        }

    </style>

</head>

<body>

    <div class="container-fluid">

        <div class="row">

            <!-- Sidebar -->

            <nav class="col-md-3 col-lg-2 d-md-block sidebar">

                <div class="sidebar-sticky">

                    <h4 class="text-center">Menu</h4>

                    <a href="#user-dashboard">User Dashboard</a>

                    <form id="user-form" class="p-3">

                        <div class="form-group">

                            <label for="name">Name:</label>

                            <input type="text" class="form-control" id="name" required>
```

```html
          </div>

          <div class="form-group">

            <label for="city">City:</label>

            <input type="text" class="form-control" id="city" required>

          </div>

          <button type="submit" class="btn btn-primary btn-block">Submit</button>

        </form>

        <a href="#priority-list">Priority List</a>

        <a href="#datetime-display">Date/Time Display</a>

        <!-- Date and Time in Sidebar -->

        <div id="sidebar-datetime" class="p-3 text-center mt-3">

          <!-- <h5>Current Date/Time</h5> -->

          <!-- <div id="sidebar-datetime-content"></div> -->

        </div>


        <div id="user-info" class="p-3 text-center"></div>

      </div>

    </nav>



    <!-- Main Content -->

    <main role="main" class="col-md-9 ml-sm-auto col-lg-10 content">

        <div id="user-dashboard" class="d-flex justify-content-between flex-wrap flex-md-
nowrap align-items-center pt-3 pb-2 mb-3 border-bottom">

          <h4>Task List</h4>

        </div>

        <div id="priority-list" class="card mb-4">

          <div class="card-header">
```

```
      Add Task

    </div>

    <div class="card-body">

      <div class="form-group">

        <label for="task">Task Description:</label>

        <input type="text" class="form-control" id="task" required>

      </div>

      <div class="form-group">

        <label for="priority">Priority:</label>

        <select class="form-control" id="priority">

          <option value="P1">P1 - High</option>

          <option value="P2">P2 - Medium</option>

          <option value="P3">P3 - Medium</option>

          <option value="P4">P4 - Low</option>

        </select>

      </div>

      <button class="btn btn-custom" onclick="addTask()">Add Task</button>

    </div>

  </div>

  <div class="card">

    <div class="card-header">

      Current Tasks

    </div>

    <div class="card-body p-0">

      <table class="table table-hover mb-0">

        <thead class="thead-light">
```

```html
          <tr>

            <th>Task</th>

            <th>Priority</th>

          </tr>

        </thead>

        <tbody id="task-list">

        </tbody>

      </table>

    </div>

  </div>

  <!-- Footer Date/Time Display -->

  <div id="datetime-display" class="footer-datetime">

    <span id="footer-datetime-content"></span>

  </div>

</main>

</div>

</div>

<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script>

<script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.5.4/dist/umd/popper.min.js"></script>

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>

<script>

  // User Dashboard Submission with Alert

  document.getElementById('user-form').addEventListener('submit', function(event) {

    event.preventDefault();

    const name = document.getElementById('name').value;

    const city = document.getElementById('city').value;
```

```javascript
    alert(`User Information:\nName: ${name}\nCity: ${city}`);

    document.getElementById('user-info').innerHTML = `<p><strong>Name:</strong> $
{name}</p><p><strong>City:</strong> ${city}</p>`;

});


// Add Task with Alert

function addTask() {

    const taskDescription = document.getElementById('task').value;

    const priority = document.getElementById('priority').value;

    const taskList = document.getElementById('task-list');


    if (!taskDescription) {

        alert('Please enter a task description.');

        return;

    }


    let priorityClass = '';

    let priorityText = '';

    switch (priority) {

        case 'P1':

            priorityClass = 'high-priority';

            priorityText = 'High';

            break;

        case 'P2':

        case 'P3':

            priorityClass = 'medium-priority';

            priorityText = 'Medium';
```

```
            break;

        case 'P4':

            priorityClass = 'low-priority';

            priorityText = 'Low';

            break;

    }


    alert(`Adding Task:\nTask: ${taskDescription}\nPriority: ${priorityText}`);


    const row = document.createElement('tr');

    row.className = `task-row ${priorityClass}`;

    row.innerHTML = `<td>${taskDescription}</td><td>${priorityText}</td>`;

    taskList.appendChild(row);


    document.getElementById('task').value = '';

}


// Date/Time Display

function updateDateTime() {

    const now = new Date();

    const dateTimeString = now.toLocaleString();

    // document.getElementById('sidebar-datetime-content').innerHTML = dateTimeString;

    document.getElementById('footer-datetime-content').innerHTML = dateTimeString;

}

setInterval(updateDateTime, 1000);

updateDateTime();
```

```
    </script>

</body>

</html>
```

OUTPUT:

Menu

User Dashboard

Name:

Swathi Shree

City:

Thanjavur

Submit

Priority List

Date/Time Display

Name: Swathi Shree

City: Thanjavur

Task List

Add Task

Task Description:

PROJECT

Priority:

P1 - High

Add Task

Current Tasks

Task	Priority

10/8/2024, 3:53:16 pm