

Assesment-2 Mernstack- Bootstrap Basic & Advanced

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<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Date Interval Finder</title>
  <!-- Bootstrap CSS -->
  <link
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css"
rel="stylesheet">
  <!-- Bootstrap Datetimepicker CSS -->
  <link href="https://cdnjs.cloudflare.com/ajax/libs/bootstrap-
datetimepicker/4.17.47/css/bootstrap-datetimepicker.min.css" rel="stylesheet">
  <style>
    body {
      margin: 20px;
    }
    .container {
      max-width: 600px;
      margin: auto;
      padding: 20px;
      border: 1px solid #ddd;
      border-radius: 10px;
      box-shadow: 0 2px 5px rgba(0, 0, 0, 0.1);
    }
    .result {
      margin-top: 20px;
    }
  </style>
</head>
<body>
  <div class="container">
    <h2 class="text-center mb-4">Date Interval Finder</h2>
    <form id="date-form">
      <div class="form-group">
        <label for="startDate">Start Date:</label>
        <div class="input-group date" id="startDatePicker">
          <input type="text" class="form-control" id="startDate"
placeholder="Select start date" required>
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        <div class="input-group-append">
            <span class="input-group-text">
                <i class="glyphicon glyphicon-calendar"></i>
            </span>
        </div>
    </div>
</div>
<div class="form-group">
    <label for="endDate">End Date:</label>
    <div class="input-group date" id="endDatePicker">
        <input type="text" class="form-control" id="endDate"
placeholder="Select end date" required>
        <div class="input-group-append">
            <span class="input-group-text">
                <i class="glyphicon glyphicon-calendar"></i>
            </span>
        </div>
    </div>
</div>
<button type="button" class="btn btn-primary btn-block"
id="calculateBtn">Calculate Interval</button>
</form>
<div class="result text-center mt-3">
    <h4 id="output"></h4>
</div>
</div>

<!-- jQuery -->
<script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>
<!-- Bootstrap JS -->
<script
src="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></scrip
t>
<!-- Moment.js -->
<script
src="https://cdnjs.cloudflare.com/ajax/libs/moment.js/2.29.1/moment.min.js"></scr
ipt>
<!-- Bootstrap Datetimepicker JS -->
<script src="https://cdnjs.cloudflare.com/ajax/libs/bootstrap-
datetimepicker/4.17.47/js/bootstrap-datetimepicker.min.js"></script>
<script>
    $(document).ready(function () {
        // Initialize datepickers
        $('#startDatePicker').datetimepicker({
            format: 'YYYY-MM-DD',

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        useCurrent: false
    });
    $('#endDatePicker').datetimepicker({
        format: 'YYYY-MM-DD',
        useCurrent: false
    });

    // Sync start and end datepickers
    $("#startDatePicker").on("dp.change", function (e) {
        $('#endDatePicker').data("DateTimePicker").minDate(e.date);
    });
    $("#endDatePicker").on("dp.change", function (e) {
        $('#startDatePicker').data("DateTimePicker").maxDate(e.date);
    });

    // Calculate interval on button click
    $('#calculateBtn').click(function () {
        // Get input dates
        let startDate = $('#startDate').val();
        let endDate = $('#endDate').val();

        // Validate inputs
        if (!startDate || !endDate) {
            alert("Please select both dates.");
            return;
        }

        // Calculate interval
        let start = moment(startDate, 'YYYY-MM-DD');
        let end = moment(endDate, 'YYYY-MM-DD');
        let duration = moment.duration(end.diff(start));

        // Display result
        let days = duration.asDays();
        $('#output').text(`The interval between the selected dates is
        ${days} day(s).`);
        console.log(`Start Date: ${startDate}, End Date: ${endDate},
        Interval: ${days} day(s)`);
    });
</script>
</body>
</html>

```

Date Interval Finder

Start Date:

End Date:

Calculate Interval

The interval between the selected dates is 366 day(s).