

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 -->
  Follow link (ctrl + click)
  <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>
```

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<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>

        <div class="input-group-append">

          <span class="input-group-text">

< i class="glyphicon glyphicon-calendar"></i>

</span>

          </div>

        </div>

      </div>

    </div>

    <div class="form-group">

      <label for="end date">End Date:</label>

      <Div class="input-group date" id="endDatePicker">

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

        <div class="input-group-append">

          <span class="input-group-text">

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<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">
</script>

<!-- Moment.js -->

<script src="https://cdnjs.cloudflare.com/ajax/libs/moment.js/2.29.1/moment.min.js">
</script>
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<!-- Bootstrap Datetimepicker 35 -->

<script src="https://cdnjs.cloudflare.com/ajax/libs/bootstrap-
atetimepicker/4.17.47/js/bootstrap-datetimepicker.min.js"></script>

<script>
    $(document).ready(function() {

        // Initialize datepickers

        $("#startDatePicker").datetimepicker({
            format: 'YYYY-MM-DD',
            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

        $('#calculateBtn').click(function() {
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$( '#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: $ {day} day(s)');

});

});
</script>

</body>

</html>

```

Output

Date Interval Finder

Start Date:

Select start date

End Date:

Calculate Interval