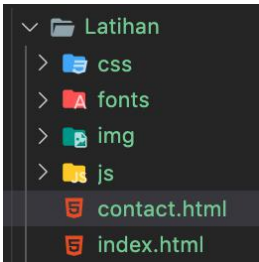


## Form Validasi Dengan Angular JS

1. untuk latihan kali ini, melanjutkan Latihan Bootstrap yg sebelumnya pernah saya share

Link sebelumnya : <https://drive.google.com/file/d/1qJ3iajbmP2hcelds5FAy352XGQiHm1u2/view>

2. Selanjutnya, tambahkan sebuah file **contact.html**, sehingga struktur filenya akan terlihat seperti berikut :



3. Pada halaman **index.html** baris ke 68, tambahkan sebuah link seperti berikut :

```
68      <li><a href="contact.html">Contact us</a>
69    </li>
```

4. Isi file `contact.html` dengan code berikut :

```
<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="utf-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

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

<title>PlanUrTrip</title>

<!-- Bootstrap core CSS -->

<link href="css/bootstrap.min.css" rel="stylesheet">

<!-- Custom styles for this template -->

<link href="css/StyleSheet.css" rel="stylesheet">

</head>

<body>

<div class="container">

<!-- NAVBAR

===== -->

<div class="navbar-wrapper">

<div class="navbar navbar-inverse navbar-static-top">

<div class="container">

<div class="navbar-header">

<button type="button" class="navbar-toggle" data-toggle="collapse"

data-target=".navbar-collapse"> <span class="icon-bar"></span> <span class="icon-bar"></span> <span class="icon-bar"></span>

</button> <a class="navbar-brand" href="#">PlanUrTrip</a>

</div>

<div class="navbar-collapse collapse">

<ul class="nav navbar-nav">

<li class="active"><a href="#">Home</a></li>

<li><a href="#about">Flights</a></li>

<li><a href="#contact">Hotels</a></li>
```

```
<li class="dropdown">
<a href="#" class="dropdown-toggle" data-toggle="dropdown">Packages <b
class="caret"></b></a>
<ul class="dropdown-menu">
<li><a href="#">Trafalgar</a></li>
<li class="divider"></li>
<li><a href="#">Contiki</a></li>
<li class="divider"></li>
<li><a href="#">Club med</a></li>
<li class="divider"></li>
<li><a href="#">Cruises</a></li>
</ul>
</li>

<li class="dropdown"> <a href="#" class="dropdown-toggle" data-toggle="dropdown">Locations<b class="caret"></b></a>
<ul class="dropdown-menu">
<li><a href="#">Maldives</a></li>
<li class="divider"></li>
<li><a href="#">Malaysia</a></li>
<li class="divider"></li>
<li><a href="#">Thailand</a></li>
<li class="divider"></li>
<li><a href="#">Singapore</a></li>
<li class="divider"></li>
<li><a href="#">Egypt</a></li>
<li class="divider"></li>
<li><a href="#">America</a></li>
<li class="divider"></li>
<li><a href="#">Brazil</a></li>
<li class="divider"></li>
<li><a href="#">Mexico</a></li>
</ul>
</li>

<li>
<a href="#">About us</a>
</li>

<li><a href="contact.html">Contact us</a>
</li>
</ul>

</div></div></div></div></div>

<div class="container">
<div class="row">
    <div class="col-lg-6">
        <!-- Disini akan di tambahkan Form Contact -->
    </div>
    <div class="col-lg-6">
        <!-- Disini akan di tambahkan Peta -->
    </div>
</div>
</div>
</div>
```

```

<footer>
<div class="container-fluid">
<div class="row">
<div class="col-lg-12 text-center">
<p class="pull-right"><a href="#">Back to top</a></p>
<p>&copy; 2014 PlanUrTrip, Inc. &middot; <a href="#">Privacy</a> &middot; <a href="#">Terms</a></p>
</div></div></div>
</footer>

<!-- Bootstrap core JavaScript
===== -->

<!-- Placed at the end of the document so the pages load faster -->
<script src="js/jquery-2.1.1.min.js"></script>
<script src="js/bootstrap.min.js"></script>
</body>
</html>

```

5. Berikut nya untuk membuat validasi angularjs, maka kita harus menambahkan sebuah source angular, bisa mengambil secara online, atau bisa secara offline
6. Jika secara online, maka tambahkan link berikut :

```

98      <script src="js/jquery-2.1.1.min.js"></script>
99      <script src="js/bootstrap.min.js"></script>
100     <script src="http://code.angularjs.org/1.2.6/angular.js"></script>

```

7. Pada Bagian <body> ubah code menjadi berikut :

```
<body ng-app="validationApp" ng-controller="mainController">
```

8. Buat sebuah form, pada bagian

```
<!-- Disini akan di tambahkan Form Contact -->
```

Diisi dengan code berikut :

```

<form name="userForm" ng-submit="submitForm(userForm.$valid)" novalidate>

  <!-- NAME -->

  <div class="form-group" ng-class="{ 'has-error' : userForm.name.$invalid && !userForm.name.$pristine }">
    <label>Name*</label>
    <input type="text" name="name" class="form-control" ng-model="user.name" required>
    <p ng-show="userForm.name.$invalid && !userForm.name.$pristine" class="help-block">You name is required.</p>
  </div>

  <!-- USERNAME -->

  <div class="form-group" ng-class="{ 'has-error' : userForm.username.$invalid && !userForm.username.$pristine }">
    <label>Username</label>
    <input type="text" name="username" class="form-control" ng-model="user.username" ng-minlength="3"
    ng-maxlength="8">
    <p ng-show="userForm.username.$error.minlength" class="help-block">Username is too short.</p>
    <p ng-show="userForm.username.$error.maxlength" class="help-block">Username is too long.</p>
  </div>

  <!-- EMAIL -->

  <div class="form-group" ng-class="{ 'has-error' : userForm.email.$invalid && !userForm.email.$pristine }">
    <label>Email</label>
    <input type="email" name="email" class="form-control" ng-model="user.email">
    <p ng-show="userForm.email.$invalid && !userForm.email.$pristine" class="help-block">Enter a valid email.</p>

```

```

</div>

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

</form>

```

9. Kemudian Tambahkan beberapa baris javascript pada halaman yang sama, seperti berikut :

```

<script>
    var validationApp = angular.module('validationApp', []);
    // create angular controller
    validationApp.controller('mainController', function ($scope) {
        // function to submit the form after all validation has occurred
        $scope.submitForm = function (isValid) {
            // check to make sure the form is completely valid
            if (isValid) {
                alert('Data Berhasil Disimpan');
            }
        };
    });
</script>

```

10. Hasil nya akan terlihat seperti berikut :

The screenshot shows a web form titled 'PlanUrTrip' with a navigation bar containing links: Home, Flights, Hotels, Packages, Locations, About us, and Contact us. The form has three input fields: 'Name\*' (empty), 'Username' (containing '2'), and 'Email' (containing '1'). Below each field is a red error message: 'You name is required.' for Name, 'Username is too short.' for Username, and 'Enter a valid email.' for Email. A blue 'Submit' button is at the bottom left.

Jika ada ketidak sesuaian inputan akan menampilkan pesan error, namun jika berhasil dan sesuai maka akan muncul pesan seperti berikut :

The screenshot shows the same web form as before, but now with valid input: 'Name\*' contains 'Fachran Nazarullah', 'Username' contains 'fcn', and 'Email' contains 'fachran.nazarullah@gmail.com'. A blue 'Submit' button is at the bottom left. A white alert box is displayed over the form, titled 'latihan-wps.test says' with the message 'Data Berhasil Disimpan' and an 'OK' button.

## Latihan Menampilkan Peta dengan Menggunakan LeafletJs dan OpenMapStreet

1. Tambahkan 2 link plugin leaflet.js dan leaflet.css, kita bisa meletakkan di bawah script angular.js

```
<link rel="stylesheet" href="https://unpkg.com/leaflet@1.6.0/dist/leaflet.css" />
<script src="https://unpkg.com/leaflet@1.6.0/dist/leaflet.js"></script>
```

2. Tambahkan script berikut pada bagian Map

```
<!-- Disini akan di tambahkan Peta -->
<div id="map" style="width: 100%;height: 500px;"></div>
```

3. Kemudian tambahkan script berikut di paling bawah,

```
<script>
  // koordinat dan zoom view peta
  // Koordinat yang digunakan berupa latitude dan longitude,
  //sebagai contoh saya menggunakan Koordinat CCIT
  var map = L.map('map').setView([-6.362141, 106.824923], 17);
  // ini adalah copyright, bisa dicopot tapi lebih baik kita hargai sang penciptanya ya :)
  L.tileLayer('http://{s}.tile.openstreetmap.org/{z}/{x}/{y}.png', {
    attribution: '&copy; <a href="https://www.openstreetmap.org/copyright">OpenStreetMap</a>',
    subdomains: ['a', 'b', 'c'],
  }).addTo(map);
  // ini adalah koordinat marker
  L.marker([-6.362141, 106.824923]).addTo(map)
  .bindPopup("<b>Selamat Datang!</b> Di CCIT FT-UI.").openPopup();
  var popup = L.popup();
  function onMapClick(e) {
    popup
      .setLatLng(e.latlng)
      .setContent("Koordinat pada titik ini adalah " + e.latlng.toString())
      .openOn(map);
  }
  map.on('click', onMapClick);
</script>
```

4. Hasil nya akan terlihat seperti berikut :

Name\*

Username

Email

