Angular JS

Angular JS bind (connect) HTML Page to JavaScript Object to send data from HTML to JavaScript Object and Receive Data from JavaScript Object to HTML.

Basic Syntax:

```
┌──────────┐  ──────▶  ┌────────────┐  ──────▶  ┌──────────────────┐
│   HTML   │           │ Angular JS │           │ JavaScript Object │
└──────────┘  ◀──────  └────────────┘  ◀──────  └──────────────────┘
```
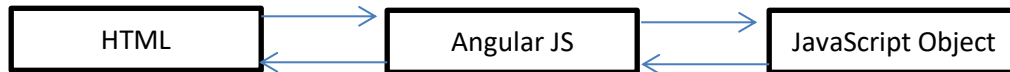
Basic Working Steps

1. Design your html page that required
2. Add angular js in HTML
   a. Add **angular js script** file in html header
   b. Write javascript class (**Customer**)
   c. Add angular **module** in both **html** and **javascript**
   d. Add **controller name** in **module**
   e. Add **ng-class** in div
   f. For data input from javascript to html, use **ng-model** in html **input** field
   g. For show data use **{{ }}** in HTML Page
3. Add angular js script file in html page

```html
<!DOCTYPE html>
<html>
<head>
    <meta charset="utf-8" />
    <title></title>
    <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.8.2/angular.min.js"></script>
</head>

<script>
function Customer($scope)
{
    $scope.CustomerName = "Shiv";              Class
    $scope.CustomerCode = "1001";
}
    var myapp = angular.module("myapp", []);   Connection with Class (Customer) and HTML(ng-app) Page
    myapp.controller("Customer", Customer);
</script>
                                               Data input
<body ng-app="myapp">
    <div ng-controller="Customer">
        Customer Name:- <input type="text" ng-model="CustomerName" name="CustomerName" id="CustomerName"><br>
        Customer Code:- <input type="text" ng-model="CustomerCode" name="CustomerCode" id="CustomerCode"><br>

        <div id="DivCustomerName">{{ CustomerName }}</div>
        <div id="DivCustomerCode">{{ CustomerCode }}</div>
    </div>
</body>
</html>
                                               Data Output/Show
```

Angular JS Script

🔵 Summation/Mathematical Operation

1. In expression, we can sum

   `{{1+2}}`

   Result: 5

2. Concatenation :

   `{{CustomerName + CustomerCode}}`

● ng-submit: it work like Onclick property of HTML

In Angular Class:

```
$scope.Submit = function () {
    if($scope.CustomerName.length==0)
    {
        alert("Not a proper data");
    }
    else
    {
        alert("Proper data");
    }
}
```

In HTML Page:

```
<input type="submit" ng-click="Submit()"  value="Submit" />
```

Example of code:

```
<!DOCTYPE html>
<html>
<head>
    <meta charset="utf-8" />
    <title></title>
    <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.8.2/angular.min.js"></script>
</head>

<script>
function Customer($scope)
{
    $scope.CustomerName = "Shiv";
    $scope.CustomerCode = "1001";
    $scope.Submit = function () {
        if ($scope.CustomerName.length == 0) {
            alert("Enter customer name");
        }
        if ($scope.CustomerCode.length == 0) {
            alert("Enter customer code");
        }
    }
}
    var myapp = angular.module("myapp", []);
    myapp.controller("Customer", Customer);
</script>

<body ng-app="myapp">
    <div ng-controller="Customer">
        Customer Name:- <input type="text" ng-model="CustomerName" name="CustomerName" id="CustomerName"><br>
        Customer Code:- <input type="text" ng-model="CustomerCode" name="CustomerCode" id="CustomerCode"><br>
        <input type="submit" ng-click="Submit()"  value="Submit" />

        <div id="DivCustomerName">{{ CustomerName }}</div>
        <div id="DivCustomerCode">{{ CustomerCode }}</div>
    </div>
</body>
</html>
```

Insert Data by angular js

```
<div class="container" style="width:500px;">
    <h3 align="center">AngularJS Tutorial </h3>
    <div ng-app="myapp" ng-controller="usercontroller">
        <label>Country Code </label>
        <input type="text" name="" ng-model="id_send" class="form-control" />
        <br />
        <label>Country</label>
        <input type="text" name="" ng-model="name_send" class="form-control" />
        <br />
        <input type="submit" name="btnInsert" class="btn btn-info" ng-click="insertData()" value=
        "ADD"/>
    </div>
</div>
```

```
<script>

var app = angular.module('myapp',[]);
app.controller('usercontroller',function($scope,$http){
$scope.insertData = function(){

$http.post("insert.php",
{'id':$scope.id_send, 'names':$scope.name_send}
).success(function(data){
alert(data);
$scope.name_send = null;
$scope.id_send = null;

})

} <!-- click -->

```

```php
<?php
//insert.php
$connect = mysqli_connect("127.0.0.1:3306", "root", "root", "test");

$data = json_decode(file_get_contents("php://input"));

if(count($data) > 0)

{

    $id_received = mysqli_real_escape_string($connect, $data->id);
    $name_received = mysqli_real_escape_string($connect, $data->names);

    $query = "INSERT INTO country(id, name) VALUES ('$id_received', '$name_received')";
    if(mysqli_query($connect, $query))
    {
        echo "Data Inserted...";
    }
    else
    {
        echo 'Error';
    }
}
?>
```
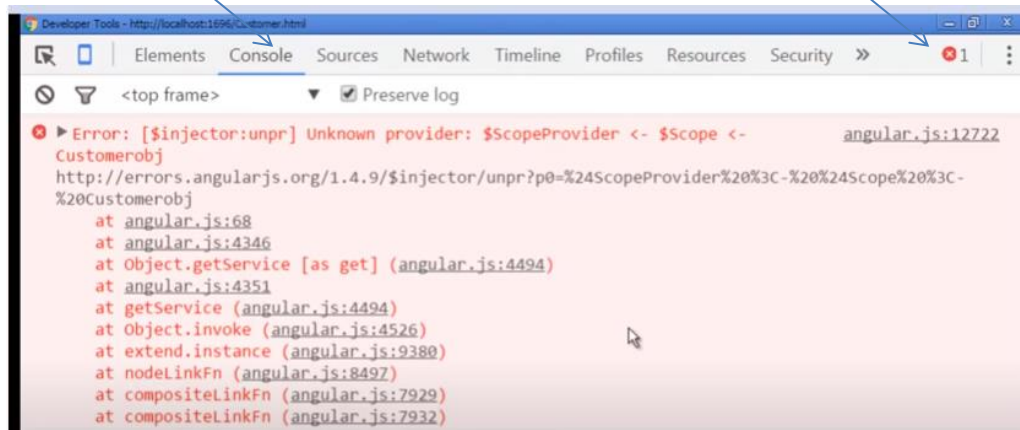
O Movavi Free Online Screen Recorder

🔵 Debubing :

Press **F12** in chrome browser for debugger ➜ see the error at right corner
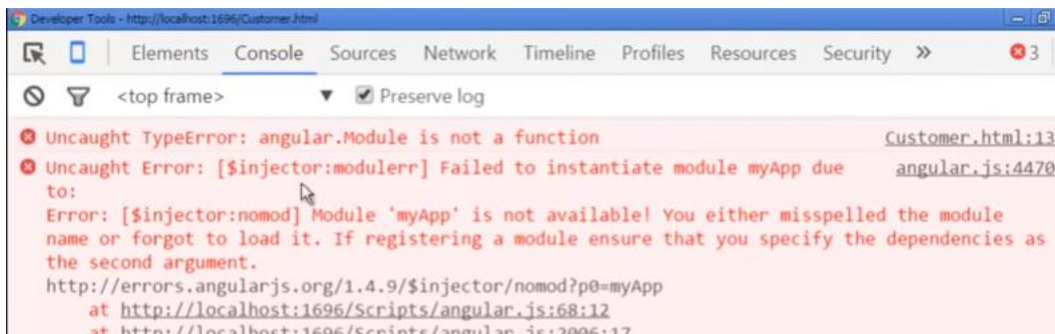
Injector error

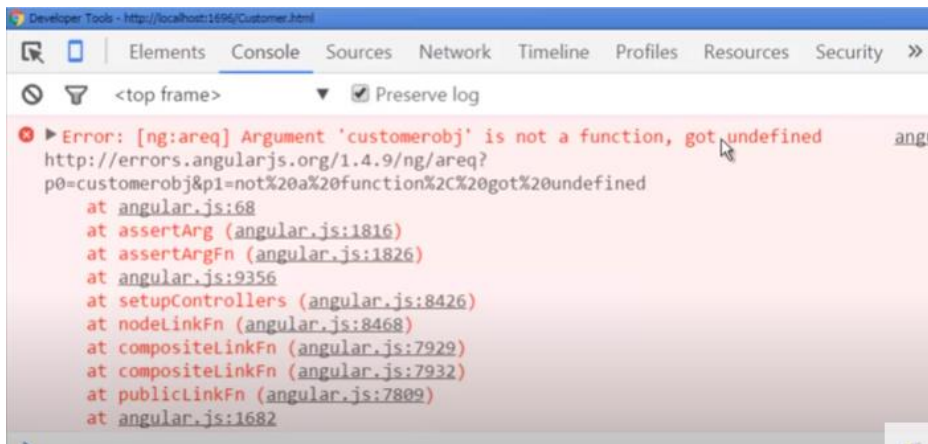Second, Click on Console   first see error

Injector modul error

Undefined error : Controller of angular JS is not properly defined. It may be spelling mistake

At the end of the course

Practical Project: [(175) Angular Tutorial for Beginners: Learn Angular & TypeScript - YouTube](#)