Practical no: 9

Problem Statement: Create a login module for the web application using struts framework.

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Class: T.E. Computer

Subject: Web Technology

Div: A

Roll no: 02

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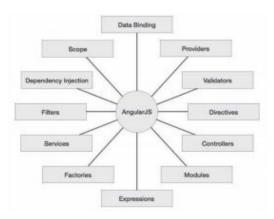


Figure.7: Architecture of AngularJS

	<u>w</u>	diti Dinesh Mulay T.E. Comp Div: A Roll no: 02
	Title: Design and Develop any web wasing Angwar Js.	application
	Problem Statement: - Create an applica	tion for Gill
	payment Record using AngulacIs.	
L. C.	Outcomeo: Student's can able to,	garte .
1	1) Implement the effective client side implentation.	
	2) Solve the complex problem of development of the complex problem of the complex problem of development of the complex problem of the complex prob	ppment using
glami	I se happened at at heart event done	David De College
,3 3	Slw and Hlw Requirements: Eclipse IDE Notepad ++ , Web browser.	3 213 111 [4]
	Theory: It is an open source web app	
1	-A proceduce productive system that 1Rich Internet Applications (RIA)	can mare
	- Compose customer side applications Is in a MVC way.	
	- Capplications written are cross-prog Angular Ts consequently handles Jav reasonable for every program.	
	- Open source, Totally free and utile	ed by a great
	- By and large, AngulorIs is a system	to assemble
	expansive scale, elite and simple web applications.	
	All I	

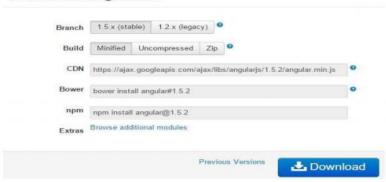
Steps for AngularJS

When a link https://angularjs.org/ is opened, there are two options to download AngularJS library –



- · View on GitHub Click on this button to go to GitHub and get all of the latest scripts.
- Download AngularJS 1 Or click on this button, a screen as below would be seen –

Download AngularJS



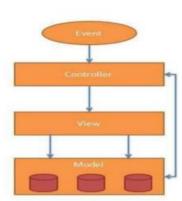


Figure. 8: Model View Controller

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*	Advantages	
1)	It gives ability to make single Page Application in a spotless and visible way.	
25	It gives information restricting ability to HIML	
	3) Anguar Js code is unit testable	
	1 Utilizations reliance fortusion and more utilization partition of concerns.	
27	Gives reusable segments.	
	6) In Apquior Js, sees are unaduterated html page	
	and controllers which in Javascript do the business	
	handlings humanino ni sellesti han midwelz	
Ų.	M hainete et	
*	Model View Controller	
	Model - It is the most Minimal level of example in charge of looking after information. View - It is in charge of showing all or a part of the information to the client.	
(Controller- It is a product code that controls the	
	connections between the Model and View.	
*	How Angular Js integrates with HTML.	
	-> ng-app directive indicates the start of AngularIs application	
	-7 ng-model directive then creates a model variable	
	named "hame" which can be used with html page.	
	in HTML span tag whenever use input something in	
	text box. -> Closing < ldiv > tag indicates the end of Angular Is Application,	

	Technology:		
	Any IDE or you can use web browser		
	Test Cases:		
(Deploy the HTML program run test the result for dynamic implementation of Angular Js.		
	same and fee with the		
	Conclusion:		
Tell and a	understand, fewtuces of Angulas Is myc model		
	Structure and its use in advanced web programming is studied.		
	anladasi andi idalah 7		

Example:

Now let us write a simple example using AngularJS library. Let us create an HTML file myfirstexample.html as below –

```
<!doctype html>
<html>
<head>
<scriptsrc="https://ajax.googleapis.com/ajax/libs/angularjs/1.5.2/angular.min.js"></script>
</head>
<bodyng-app="myapp">
<divng-controller="HelloController">
<h2>Welcome {helloTo.title}} to the world of Tutorialspoint!</h2> </div>
<script>
angular.module("myapp",[])
.controller("HelloController",function($scope){
```

```
$scope.helloTo={};
$scope.helloTo.title="AngularJS";
});
</script>
</body>
</html>
```

Following sections describe the above code in detail:

1. Include AngularJS

We have included the AngularJS JavaScript file in the HTML page so we can use AngularJS -

```
<head>
<scriptsrc="https://ajax.googleapis.com/ajax/libs/angularjs/1.4.8/angular.min.js"></script>
</head>
```

To update into latest version of Angular JS, use the following script source.

```
<head>
<scriptsrc="https://ajax.googleapis.com/ajax/libs/angularjs/1.5.2/angular.min.js"></script>
</head>
```

2. Point to AngularJS app

Next we tell what part of the HTML contains the AngularJS app. This done by adding the ngapp attribute to the root HTML element of the AngularJS app. You can either add it to html element or body element as shown below —

```
<body>
```

3. View

The view is this part -

```
<divng-controller="HelloController">
<h2>Welcome {{helloTo.title}} to the world of Tutorialspoint!</h2>
```

```
</div>
```

ng-controller tells AngularJS what controller to use with this view. helloTo.titletells AngularJS to write the "model" value named helloTo.title to the HTML at this location.

4. Controller

The controller part is -

```
<script>
angular.module("myapp",[])
.controller("HelloController",function($scope){
    $scope.helloTo={};
    $scope.helloTo.title="AngularJS";
});
</script>
```

```
This code registers a controller function named HelloController in the angular module

named myapp. The controller function is registered in angular via the angular module(...).controller(...) function call.
```

PROGRAM CODE: INPUT & OUTPUT

```
<html ng-app="billpayApp">
<!-- SCRIPTS TO BE ADDED IN HEAD TAG --
<title>Bill Payment Record using angular and bootstram
framework</title>
<meta http-equiv="content-type" content="text/html; charset=utf-8" />
<!-- ACCESSING ANGULARJS BY CDN METHOD-->
<script
src="https://ajax.googleapis.com/ajax/libs/angularjs/1.6.4/angular.min
.js"></script>
<!-- ACCESSING STYLESHEET FOR DESIGN [OPTIONAL PART CAN BE SKIP]-->
<link rel="stylesheet"</pre>
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.mi
n.css">
<!-- MODEL PART-->
<script>
var model = {
customer: "Student",
items: [{
bill: "Electricity",
status: false
        },
bill: "Internet(Wi/fi)",
status: false
bill: "Parking Charges",
status: false
        },
bill: "Phone",
status: true
bill: "House Tax",
status: true
varbillpayApp = angular.module("billpayApp", []);
```

```
billpayApp.controller("billpayctrl", function($scope)
      { $scope.billpay = model;
      $scope.dueBills = function() {
var items = $scope.billpay.items;
var counter = 0;
items.forEach((item) => {
if (!item.status) {
counter++;
       })
return counter;
      $scope.redFlag = function() {
return $scope.dueBills() <= 2 ? "label-success" : "label-danger";
      $scope.addBills = function(billName)
\{obj = \{
bill: billName,
status: false
        $scope.billpay.items.push(obj);
      $scope.removeBills = function(rmvBills) {
$scope.billpay.items.splice($scope.billpay.items.indexOf(rmvBills), 1);
    });
</script>
</head>
<!-- HTML BODY PART-->
<body ng-controller="billpayctrl">
<div class="container">
<div class="page-header">
<h1>{{billpay.customer}}'s Bill's remained to Be Paid -
<span class="lable" ng-class="redFlag()" ng-hide="dueBills()==0">
       {{dueBills()}}
</h1>
<h3><center><b>Add extra biller fields if any</center></b></h3>
<div class="panel">
<div class="input-group">
<input class="form-control" ng-model="billName" />
```

```
<span class="input-group-btn">
<button class="btnbtn-danger" ng-
click="addBills(billName)">+ADD+</button>
</span>
</div>
<thead>
Bill Name
Status
Status
Close
</thead>
<tbodyng-model="rmvBills">
<trng-repeat="item in billpay.items" ng-model="item">
{{item.bill}}
<input type="checkbox" ng-model="item.status" />
{{item.status}}
>
<button type="button" ng-click="removeBills(item)">&times;</button>
</div>
</div>
</div>
</body>
</html>
```

