| Ex. No. 9 | Form Validation and Routing using Angular JS |
|---|---|
| **Date of Exercise** | 19.10.2022 |
| **Web Host Link** | https://gladstonrosario.github.io/WEBTECH/exp9.html<br><br>https://gladstonrosario.github.io/WEBTECH/exp9_2.html |
| **Youtube Link** | https://drive.google.com/drive/folders/1aO0EMJLDqc6uLANIhmQrkkesnv-pa41-?usp=share_link |

## Aim

To Design User Registration Page and perform validation of each fields and generate error message if the field is not correct and also Design your own website using HTML, Angular JSRouting and CSS for any application as per your choice with minimum 4 pages and proper content including text, forms, media etc

## Description

Validation States

AngularJS is constantly updating the state of both the form and the

input fields via the FormController object.

You can access the FormController for a form using the form's

name.

They are all properties of the input field, and are either true or false.

Form States

□ $valid => The field content is valid.

□ $invalid => The field content is not valid.

□ $pristine => The field has not been modified yet.

□ $dirty => The field has been

modified.Displaying Error

Messages

The application needs to tell the user what went wrong and how to fix it.

$error can be used to detect the correct error and show error message using ng-show directive.

**Program1:**

**Html**

```html
<!DOCTYPE html>
<html>
<head>
<script
src="https://ajax.googleapis.com/ajax/libs/angularjs/1.6.9/angular.min.js"
type="text/javascript">
</script>
</head>
<body ng-app="" style="color: blue;">
<div style="position: relative;left: 40%;">
<h1>User Registration Form</h1>
<form name='myform'>
Name<span style="color: red;">*</span>
<input type='text' name="myName" ng-model="name" required pattern="[a-z,A-
Z]{1,}">
<span style="color: red;" ng-show="myform.myName.$error.required">Name is
required</span>
<span style="color: red;" ng-show="myform.myName.$error.pattern">Name is
invalid</span>
<br>
<br>
Password<span style="color: red;">*</span>
<input type='password' name="mypassword" ng-model="password" required
pattern="[a-z,A-Z]).{8,}">
<span style="color: red;" ng-show="myform.mypassword.$error.required">Password
is required</span>
<span style="color: red;" ng-show="myform.mypassword.$error.pattern">Password
is invalid</span>
```

```html
<br>
<br>
Age<span style="color: red;">*</span>
<input type='number' name="myAge" ng-model="Age" required min="18" max="30">
<span style="color: red;" ng-show="myform.myAge.$error.required">Age is
required</span>
<span style="color: red;" ng-show="myform.myAge.$error.min">Age is
invalid</span>
<span style="color: red;" ng-show="myform.myAge.$error.max">Age is
invalid</span>
<br>
<br>
Mobile Number<span style="color: red;">*</span>
<input type='tel' name="mynumber" ng-model="Number" required pattern="[0-
9]{10}">
<span style="color: red;" ng-show="myform.mynumber.$error.required">Mobile
number is required</span>
<span style="color: red;" ng-show="myform.mynumber.$error.pattern">Mobile
number is invalid</span>
<br>
<br>
Email<span style="color: red;">*</span>
<input type='email' name="myemail" ng-model="email" required>
<span style="color: red;" ng-show="myform.myemail.$error.required">Email is
required</span>
<span style="color: red;" ng-show="myform.myemail.$error.email">Email is
invalid</span>
<br>
<br>
Gender<span style="color: red;">*</span>
<input type='radio' name="mygender" ng-model="Gender" value="Male"
required>Male
<input type='radio' name="mygender" ng-model="Gender" value="Female"
required>Female
<span style="color: red;" ng-show="myform.mygender.$error.required">Gender is
required</span>
<br>
<br>
State<span style="color: red;">*</span>
<select name="mystate" ng-model="State" required>
<option value="Tamilnadu">Tamilnadu</option>
<option value="Kerala">Kerala</option>
<option value="Karnataka">Karnataka</option>
</select>
<span style="color: red;" ng-show="myform.mystate.$error.required">State is
required</span>
<br>
<br>
```

```
<Button ng-disabled="myform.$invalid">submit</Button>
</div>
</body>
</html>
```

**Program2:**

```html
<!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>Document</title>
    <script
src="https://ajax.googleapis.com/ajax/libs/angularjs/1.6.9/angular.min.js"
type="text/javascript"></script>
    <script
src="https://ajax.googleapis.com/ajax/libs/angularjs/1.6.9/angular-
route.js"></script>
    <script>
        var app = angular.module('myapp', ['ngRoute']);
        app.config(function ($routeProvider) {
            $routeProvider.when('/login', {
                templateUrl: 'exp1.html'
            })
                .when('/register', {
                    templateUrl: 'exp2.html'
                })
                .when('/admission', {
                    templateUrl: 'exp3.html'
                })
        })
    </script>
</head>

<body ng-app="myapp">
    <a href="#!login">login</a>
    <a href="#!register">register</a>
    <a href="#!admission">admission</a>
    <hr>
    <div ng-view>
    </div>
</body>
```
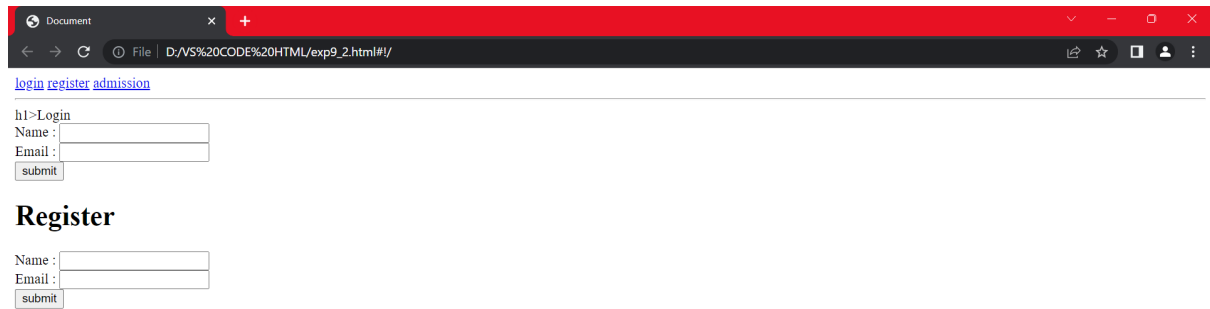
```
</html>




h1>Login</h1>
<form>
    Name : <input type="text">
    <br>
    Email : <input type="password">
    <br>
    <button>submit</button>
</form>




<h1>Register</h1>
<form>
    Name : <input type="text">
    <br>
    Email : <input type="password">
    <br>
    <button>submit</button>
</form>
```

## Output:1

## Output2:

login register admission

h1>Login

Name :

Email :

submit

## Register

Name :

Email :

submit

## Result

The Programs runs successfully and our web page is build successfully.