

Ex. No. 9	JavaScript Styles, Animation
Date	19-10-2022
Web Host Link:	

VideoLink:

https://drive.google.com/file/d/1eWmN-VfLq6BBA6d9ikuQ17kVZAzuRjdS/view?usp=share_link

Aim:

Design User Registration Page as per the following design and perform

validation of each fields and generate error message if the field is not correct as per the

following constraints and

Description:

Form Validation in AngularJS is the process of ensuring whether the data entered in a form is correct and complete. When a user submits the form, validation occurs first before the details are sent to the server. The validation process ensures at best possible extent that the details for input fields are entered in the right manner.

In a real-world example, let's assume a site which requires a registration form to be completed before getting full access to this site. The registration page would have input fields for username, password, email id and so forth.

For example, the email id always needs to be in a format of **username@site.domain**; if someone enters just the username in the email id, then ideally the validation should fail. So validation looks at doing these basic checks before the details are sent to the server for further processing.

Code:

Progam1:

```
<!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>
<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>
```

Output:

User Registration Form

Name* Name is required

Password* Password is required

Age* Age is required

Mobile Number* Mobile number is required

Email* Email is required

Gender* ☐ Male ☐ Female Gender is required

State* State is required

Program2:

```
<!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:'login.html'
})
.when('/register',{
templateUrl:'register.html'
})
})
</script>
</head>
```

```
<body ng-app="myapp">
<a href="ex9 login.html">login</a>
<a href="ex9 register.html">register</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:

[login](#) [register](#)

h1>Login

Name :

Email :

Register

Name :

Email :

Result:

Thus my output is successfully executed.