120A3051

Shreya Idate

Batch: E3

Experiment 7

Aim: Create an application for like Students Record using AngularJS(use angularjs service and form validation)

Theory:

AngularJS Forms:

Forms in AngularJS provides data-binding Input Controls

Input controls are the HTML input elements:

- input elements
- select elements
- button elements
- textarea elements

Data-Binding

Input controls provides data-binding by using the ng-model directive. and validation of input controls

AngularJS Services:

In AngularJS you can make your own service, or use one of the many built-in services.

In AngularJS, a service is a function, or object, that is available for, and limited to, your AngularJS application. Services are created by using service() function on a module and then injected into controllers.

AngularJS Form Validation:

AngularJS provides client-side form validation. It checks the state of the form and input fields (input, textarea, select), and lets you notify the user about the current state.

It also holds the information about whether the input fields have been touched, or modified, or not.

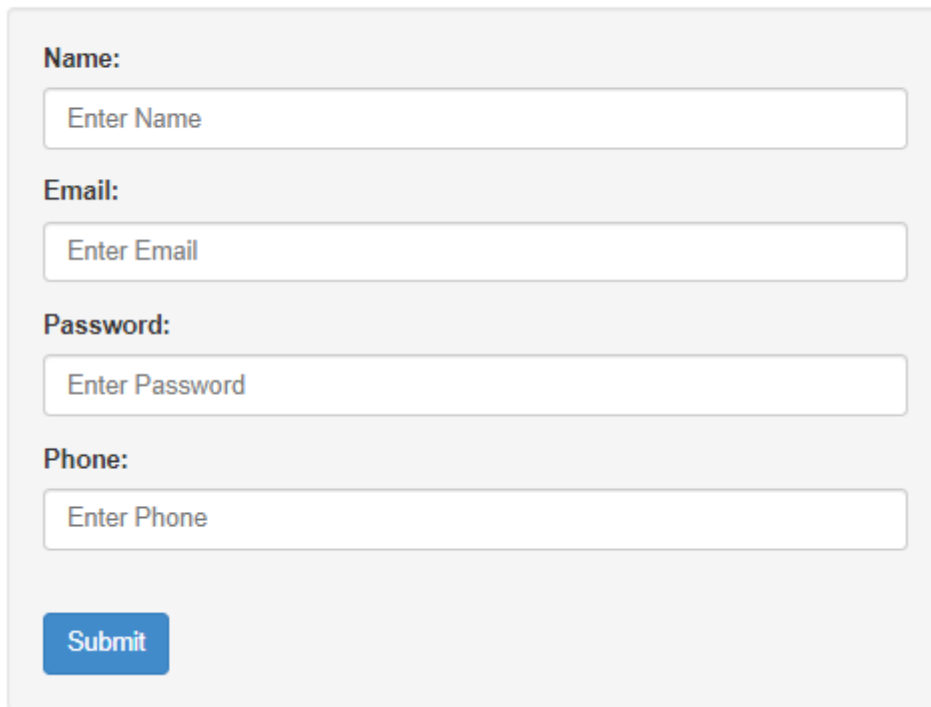Following directives are generally used to track errors in an AngularJS form:

$dirty - states that value has been changed.

$invalid - states that value entered is invalid.

$error - states the exact error.

Step1:design registration form as below:

User Registraion Form

List Of Users

Name:

Enter Name

Email:

Enter Email

Password:

Enter Password

Phone:

Enter Phone

Submit

Step2:Define service and use for registration as below

```
myApp.service("RegisterService" , function(){
   var uid = 1;
   var users = [{
   'id' : 0,
   'name' : 'John Doe',
   'email' : 'johndoe@gmail.com',
   'password': 'johndoe',
   'phone' : '123-45-678-901'}];
```

Step3:

Define controller to see list of registered students and to add new student details

```
myApp.controller("RegisterController" , function($scope , RegisterService){
   console.clear();
   $scope.ifSearchUser = false;
   $scope.title ="User List";
   $scope.users = RegisterService.list();
   $scope.saveUser = function()
```

User Registraion Form

List Of Users

Name:

Enter Name

Email:

Enter Email

Password:

Enter Password

Phone:

Enter Phone

Submit

Registered Users

Name	Email	Phone	Action
Shreya Idate	shreyaidate@gmail.com	8779626135	edit delete

Apply validation for required fields and proper format of input as below

User Registraion Form

List Of Users

Name:

shreya

Email:

sss..

This field requires proper format.

Password:

•••••

Phone:

1234567890

Submit

Registered Users

Name	Email	Phone	Action
Shreya Idate	shreyaidate@gmail.com	8779626135	edit delete

Conclusion: Simple Student Registration form have been designed using AngularJS with services and form validation concept.