

**AIM:** Perform the following:-

1. Create a simple HTML “Hello World” Project using AngularJS Framework and apply ng-controller, ng-model and expressions.
2. Events and Validations in AngularJS. (Create functions and add events, adding HTML validators, using the \$valid property of Angular, etc.)
3. Create an application for like Students Record using AngularJS

**IMPLEMENTATION:**

1. Create a simple HTML “Hello World” Project using AngularJS Framework and apply ng-controller, ng-model and expressions.

```
<html>
  <script src="http://ajax.googleapis.com/ajax/libs/angularjs/1.4.8/angular.min.js">
  </script>
  <body>
    <div ng-app="">
      <p>Name: <input type="text" ng-model="name"></p>
      <h1>Hello {{name}}</h1>
    </div>
  </body>
</html>
```

---

Enter Text:

---

Enter Text:

# Hello World

## 2. Events and Validations in AngularJS. (Create functions and add events, adding HTML validators, using the \$valid property of Angular, etc.)

### Code:

```
<!DOCTYPE html>
<html>
<script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.6.9/angular.min.js"></script>
<body>

<form ng-app="myApp" ng-controller="validateCtrl"
name="myForm" novalidate>

<p>Username:<br>
<input type="text" name="user" ng-model="user" required>
<span style="color:red" ng-show="myForm.user.$dirty && myForm.user.$invalid">
<span ng-show="myForm.user.$error.required">Username is required.</span>
</span>
</p>

<p>Email:<br>
<input type="email" name="email" ng-model="email" required>
<span style="color:red" ng-show="myForm.email.$dirty && myForm.email.$invalid">
<span ng-show="myForm.email.$error.required">Email is required.</span>
<span ng-show="myForm.email.$error.email">Invalid email address.</span>
</span>
</p>

<p>
<input type="submit"
ng-disabled="myForm.user.$dirty && myForm.user.$invalid ||
myForm.email.$dirty && myForm.email.$invalid">
</p>

<h1>Your Details</h1>
<h3> Name: {{user}} </h3>
<h3> Email: {{email}} </h3>
</form>
```

```
<script>
var app = angular.module('myApp', []);
app.controller('validateCtrl', function($scope) {
    $scope.user = "";
    $scope.email = "";
});

</script>

</body>
</html>
```

**Output:**

Username:

Email:

## Your Details

**Name:****Email:**

---

Username:

Email:

## Your Details

**Name:** Mayuri Yerande

**Email:** mayuriyerande@gmail.com

---

Username:

Username is required.

Email:

## Your Details

**Name:**

**Email:** mayuriyerande@gmail.com

---

Username:

Email:

Invalid email address.

## Your Details

**Name:** Mayuri Yerande

**Email:**

### 3. Create an application for like Students Record using AngularJS

#### Code:

```
<!DOCTYPE html>
<html>
<head>
  <title>Student Registration Form</title>
</head>
<body ng-app="myApp" ng-controller="myController">
  <h1>Student Registration Form </h1>
  <form name="registrationForm" novalidate >
    <div>
      <label for="name">Name:</label>
      <input type="text" id="name" name="name"
ng-model="newStudent.name" required> <br><br>
      <div ng-show="registrationForm.name.$touched &&
registrationForm.name.$invalid">
        <div ng-show="registrationForm.name.$error.required">Name is
required.</div>
      </div>
    </div>
  </div>
```

```
<div>
    <label for="email">Email:</label>
    <input type="email" id="email" name="email"
ng-model="newStudent.email" required> <br><br>
    <div ng-show="registrationForm.email.$touched &&
registrationForm.email.$invalid">
        <div ng-show="registrationForm.email.$error.required">Email is
required.</div>
        <div ng-show="registrationForm.email.$error.email">Invalid
email address.</div>
    </div>
</div>

<div>
    <label for="phone">Phone:</label>
    <input type="tel" id="phone" name="phone"
ng-model="newStudent.phone" required> <br><br>
    <div ng-show="registrationForm.phone.$touched &&
registrationForm.phone.$invalid">
        <div ng-show="registrationForm.phone.$error.required">Phone
number is required.</div>
    </div>
</div>

<div>
    <label for="gender">Gender:</label>
    <input type="radio" id="male" name="gender" value="male"
ng-model="newStudent.gender" required> Male
    <input type="radio" id="female" name="gender" value="female"
ng-model="newStudent.gender" required> Female
    <div ng-show="registrationForm.gender.$touched &&
registrationForm.gender.$invalid">
        <div ng-show="registrationForm.gender.$error.required">Gender
is required.</div>
    </div>
</div>

<br><br>
<div>
```

```
        <label for="hobbies">Subjects:</label>
        <input type="checkbox" id="Web-X.0" name="subjects"
value="Web-X.0" ng-model="newStudent.hobbies.reading"> Web X.0
        <input type="checkbox" id="WT" name="subjects" value="DMBI"
ng-model="newStudent.hobbies.writing"> DMBI
        <input type="checkbox" id="AI-DS" name="subjects" value="AI-DS"
ng-model="newStudent.hobbies.drawing"> AI-DS
    </div>
```

```
<br><br>
```

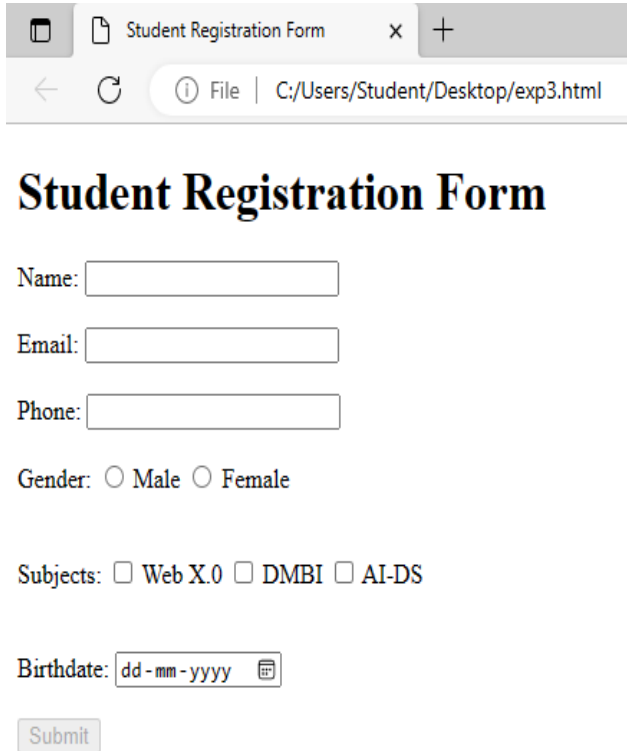
```
    <div>
        <label for="birthdate">Birthdate:</label>
        <input type="date" id="birthdate" name="birthdate"
ng-model="newStudent.birthdate" required>
        <div ng-show="registrationForm.birthdate.$touched &&
registrationForm.birthdate.$invalid">
            <div ng-show="registrationForm.birthdate.$error.required">
                </div>
            </div>
```

```
    <br><br>
    <button type="submit" ng-disabled="registrationForm.$invalid"
ng-click="submitForm">Submit</button>
```


```
</form>
```

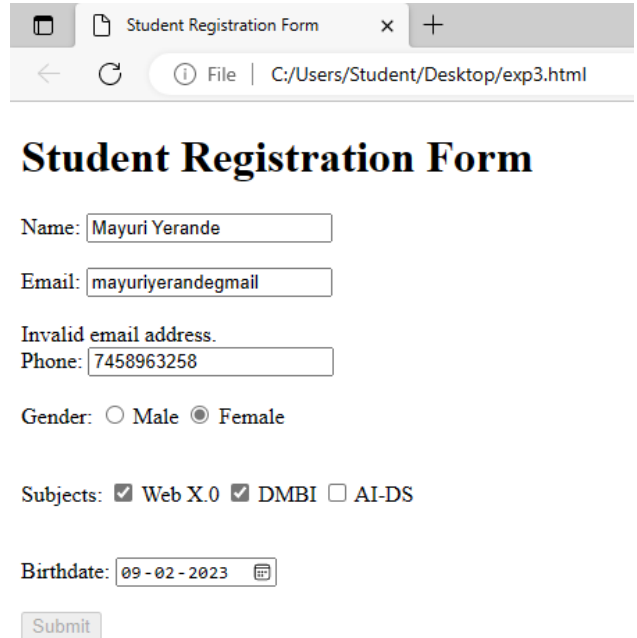
```
    <script
src="https://ajax.googleapis.com/ajax/libs/angularjs/1.8.2/angular.min.js"></script>
    <script>
        var app = angular.module('myApp', []);
        app.controller('myController', function($scope) {
            $scope.newStudent = {};
            $scope.submitForm = function() {
                console.log($scope.newStudent);
                // Send the student data to the server for processing
            };
        });
```

```
</script>  
</body>  
</html>
```

**Output:**

The screenshot shows a web browser window with the title 'Student Registration Form'. The address bar displays 'File | C:/Users/Student/Desktop/exp3.html'. The form is titled 'Student Registration Form' and contains the following fields:

- Name:
- Email:
- Phone:
- Gender: ☐ Male ☐ Female
- Subjects: ☐ Web X.0 ☐ DMBI ☐ AI-DS
- Birthdate:  
- 



The screenshot shows the same web browser window, but the form is now filled with data. The 'Email' field has an error message 'Invalid email address.' below it. The 'Gender' field has 'Female' selected. The 'Subjects' field has 'Web X.0' and 'DMBI' selected. The 'Birthdate' field is filled with '09-02-2023' and has a calendar icon. The 'Submit' button is visible.

**Student Registration Form**


Name:

Email:  Invalid email address.

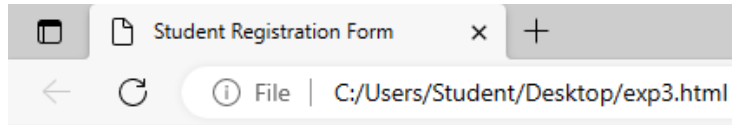
Phone:

Gender: ☐ Male ☒ Female

Subjects: ☒ Web X.0 ☒ DMBI ☐ AI-DS

Birthdate:  





## Student Registration Form


Name:

Email:

Phone:

Gender: ☐ Male ☒ Female

Subjects: ☒ Web X.0 ☒ DMBI ☐ AI-DS

Birthdate:  

**CONCLUSION**: Thus we successfully implemented codes in AngularJS. We performed a simple hello world program. We performed Validation, Expressions using ng-controller, ng-model, ng-bind directives. We created a student registration form using Validation logic in AngularJs.