

## Practical 9

### index.html

```
<!DOCTYPE html>
<html lang="en" ng-app="authApp">
<head>
  <meta charset="UTF-8">
  <title>AngularJS Auth App</title>
  <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.8.2/angular.min.js"></script>
  <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.8.2/angular-route.min.js"></script>
  <script src="app.js"></script>
</head>
<body>
  <div ng-view></div>
</body>
</html>
```

### app.js :

```
var app = angular.module('authApp', ['ngRoute']);
// Configure routes
app.config(function($routeProvider) {
  $routeProvider
    .when('/login', {
      templateUrl: 'login.html',
      controller: 'LoginController'
    })
    .when('/register', {
      templateUrl: 'register.html',
      controller: 'RegisterController'
    })
    .when('/dashboard', {
      templateUrl: 'dashboard.html',
      controller: 'DashboardController'
    })
    .otherwise({
      redirectTo: '/login'
    });
});
// Auth service to manage users
app.factory('AuthService', function() {
  let users = JSON.parse(localStorage.getItem('users')) || [];
  let currentUser = null;

  function saveUsers() {
    localStorage.setItem('users', JSON.stringify(users));
  }
  return {
    register: function(user) {
      users.push(user);
      saveUsers();
      return true;
    },
    login: function(user) {
      const found = users.find(u => u.email === user.email && u.password === user.password);
      if (found) {
        currentUser = found;
        return true;
      }
    }
  };
});
```

```

    }
    return false;
  },
  getCurrentUser: function() {
    return currentUser;
  },
  logout: function() {
    currentUser = null;
  }
};
});
// Login Controller
app.controller('LoginController', function($scope, $location, AuthService) {
  $scope.user = {};
  $scope.login = function() {
    if (AuthService.login($scope.user)) {
      $location.path('/dashboard');
    } else {
      $scope.message = "⚠ Invalid email or password.";
    }
  };
});
// Register Controller
app.controller('RegisterController', function($scope, AuthService) {
  $scope.user = {};
  $scope.register = function() {
    AuthService.register($scope.user);
    $scope.message = "⚠ Registration successful! Please login.";
    $scope.user = {};
  };
});
// Dashboard Controller
app.controller('DashboardController', function($scope, AuthService, $location) {
  const user = AuthService.getCurrentUser();
  if (!user) {
    $location.path('/login');
  } else {
    $scope.username = user.name;
  }
  $scope.logout = function() {
    AuthService.logout();
    $location.path('/login');
  };
});

```

## login.html

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>

</head>
<body>
  <h2>Login</h2>

```

```

<form ng-submit="login()">
  <label>Email:</label><br>
  <input type="email" ng-model="user.email" required><br><br>

  <label>Password:</label><br>
  <input type="password" ng-model="user.password" required><br><br>

  <button type="submit">Login</button>
</form>

<p style="color:red;">{{message}}</p>
<a href="#!/register">Don't have an account? Register</a>
</body>
</html>

```

### register.html :

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>
<body>
  <h2>Register</h2>
  <form ng-submit="register()">
    <label>Name:</label><br>
    <input type="text" ng-model="user.name" required><br><br>

    <label>Email:</label><br>
    <input type="email" ng-model="user.email" required><br><br>

    <label>Password:</label><br>
    <input type="password" ng-model="user.password" required><br><br>

    <button type="submit">Register</button>
  </form>

  <p style="color:green;">{{message}}</p>
  <a href="#!/login">Already have an account? Login</a>
</body>
</html>

```

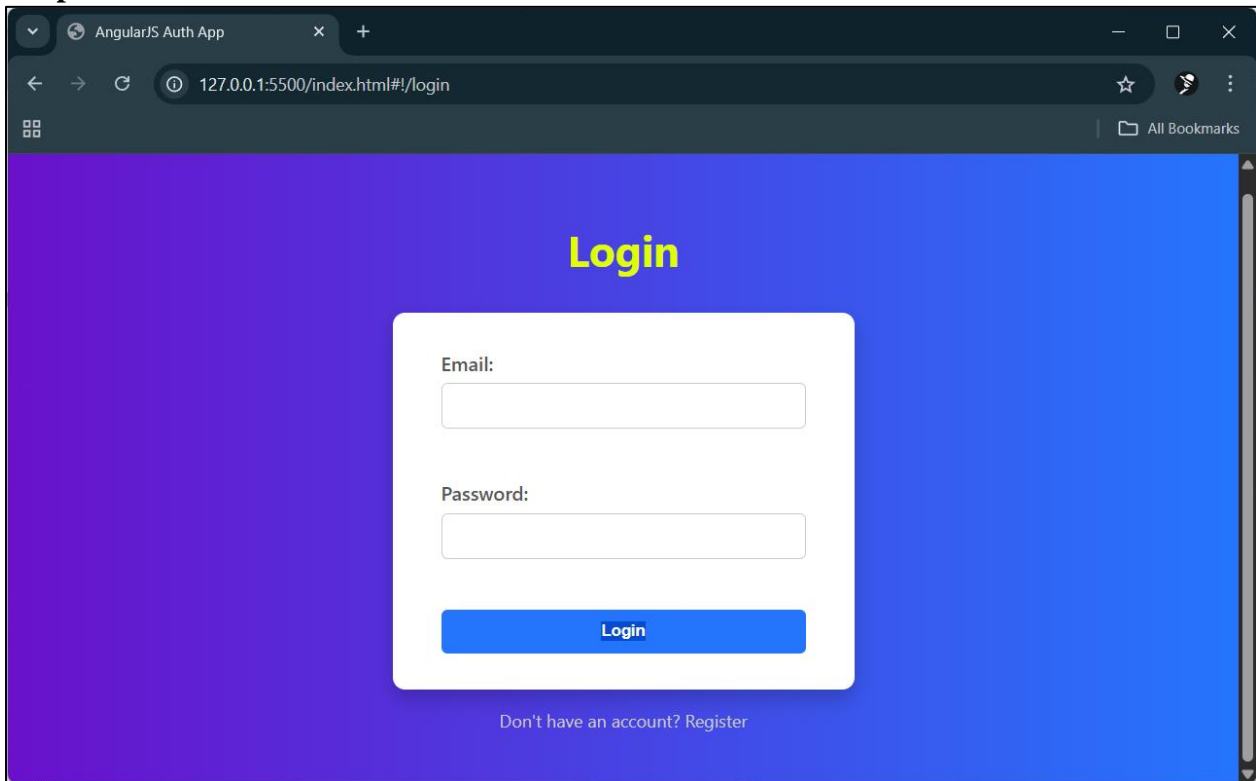
### dashboard.html :

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>
<body>
  <p>Welcome, {{username}}!</p>
  <button ng-click="logout()">Logout</button>
</body> </html>

```

## Output :



A screenshot of a web browser displaying the 'Login' page of an 'AngularJS Auth App'. The browser's address bar shows the URL '127.0.0.1:5500/index.html#!/login'. The page features a blue and purple gradient background. In the center, there is a white login form with the title 'Login' in yellow. The form contains two input fields: 'Email:' and 'Password:'. Below these fields is a blue 'Login' button. At the bottom of the form, there is a link that says 'Don't have an account? Register'.

AngularJS Auth App

127.0.0.1:5500/index.html#!/login

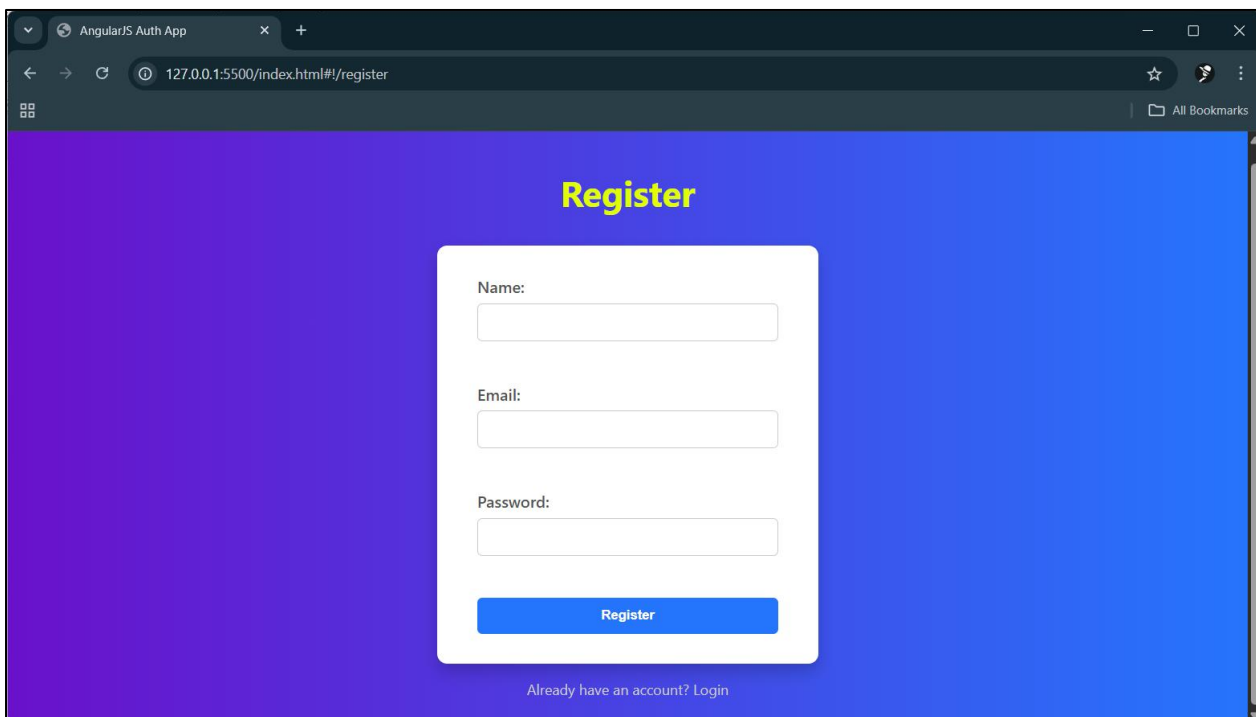
## Login

Email:

Password:

Login

Don't have an account? Register



A screenshot of a web browser displaying the 'Register' page of an 'AngularJS Auth App'. The browser's address bar shows the URL '127.0.0.1:5500/index.html#!/register'. The page features a blue and purple gradient background. In the center, there is a white registration form with the title 'Register' in yellow. The form contains three input fields: 'Name:', 'Email:', and 'Password:'. Below these fields is a blue 'Register' button. At the bottom of the form, there is a link that says 'Already have an account? Login'.

AngularJS Auth App

127.0.0.1:5500/index.html#!/register

## Register

Name:

Email:

Password:

Register

Already have an account? Login

