

EXPERIMENT 3

Aim : Design Single Page Application with different menu items.

Algorithm :

1. Create the Angular project by using the following command
ng new FolderName (Ex: ng new exp3)
2. Create the components by using
ng generate componentName (Ex: ng generate component home)
3. Create the components are home, Registration and login
4. Root the home, registration and login links in main app.component.html file
5. Then execute the application by using the following command
ng serve
by default your application installed in : <http://localhost:4200/> open the URL in browser.

[Home.component.html](#)

```
<!DOCTYPE html>
<html>
<head>
<style>
ul {
  list-style-type: none;
  margin: 0;
  padding: 0;
  overflow: hidden;
  background-color: #333;
}

li {
  float: left;
}

li a {
  display: block;
  color: white;
  text-align: center;
  padding: 14px 16px;
  text-decoration: none;
}

li a:hover {
  background-color: #111;
}
</style>
</head>
```

```
<body>

<ul>
  <li><a class="active" href="#home">Home</a></li>
  <li><a href="#news">Registration</a></li>
  <li><a href="login.component.html">Login</a></li>
  <li><a href="#about"></a></li>
</ul>
```

```
</body>
```

```
</html>
```

Registration.component.html

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<meta name="viewport" content="width=device-width, initial-scale=1">
```

```
<title> Login Page </title>
```

```
<style>
```

```
Body {
```

```
  font-family: Calibri, Helvetica, sans-serif;
```

```
  background-color: pink;
```

```
}
```

```
button {
```

```
  background-color: #4CAF50;
```

```
  width: 100%;
```

```
  color: orange;
```

```
  padding: 15px;
```

```
  margin: 10px 0px;
```

```
  border: none;
```

```
  cursor: pointer;
```

```
}
```

```
form {
```

```
  border: 3px solid #f1f1f1;
```

```
}
```

```
input[type=text], input[type=password] {
```

```
  width: 100%;
```

```
  margin: 8px 0;
```

```
  padding: 12px 20px;
```

```
  display: inline-block;
```

```
  border: 2px solid green;
```

```
  box-sizing: border-box;
```

```
}
```

```
button:hover {
```

```
  opacity: 0.7;
```

```
}
```

```
.cancelbtn {
```

```

        width: auto;
        padding: 10px 18px;
        margin: 10px 5px;
    }

.container {
    padding: 25px;
    background-color: lightblue;
}
</style>
</head>
<body>
    <h1> Student Registration Form </h1>
    <form>
        <div class="container">
            <label>Username : </label>
            <input type="text" placeholder="Enter Username" name="username" required>
            <label>Email id : </label>
            <input type="text" placeholder="Enter Email id" name="email_id" required>
            <label>Mobile No : </label>
            <input type="text" placeholder="Enter Mobile No" name="mobile" required>
            <label>Password : </label>
            <input type="password" placeholder="Enter Password" name="password" required>
            <button type="submit">Register</button>
        </div>
    </form>
</body>
</html>

```

Login.component.html

```

<!DOCTYPE html>
<html>
<head>
<meta name="viewport" content="width=device-width, initial-scale=1">
<title> Login Page </title>
<style>
Body {
    font-family: Calibri, Helvetica, sans-serif;
    background-color: pink;
}
button {
    background-color: #4CAF50;
    width: 100%;

```

```
        color: orange;
        padding: 15px;
        margin: 10px 0px;
        border: none;
        cursor: pointer;
    }
    form {
        border: 3px solid #f1f1f1;
    }
    input[type=text], input[type=password] {
        width: 100%;
        margin: 8px 0;
        padding: 12px 20px;
        display: inline-block;
        border: 2px solid green;
        box-sizing: border-box;
    }
    button:hover {
        opacity: 0.7;
    }
    .cancelbtn {
        width: auto;
        padding: 10px 18px;
        margin: 10px 5px;
    }

    .container {
        padding: 25px;
        background-color: lightblue;
    }
</style>
</head>
<body>
    <h1> Student Login Form </h1>
    <form>
        <div class="container">
            <label>Username : </label>
            <input type="text" placeholder="Enter Username" name="username" required>
            <label>Password : </label>
            <input type="password" placeholder="Enter Password" name="password" required>
            <button type="submit">Login</button>
        </div>
    </form>
</body>
</html>
```

Main routing file.

App.component.html

```
<app-home></app-home>
<app-registration></app-registration>
<app-login></app-login>
<router-outlet></router-outlet>
```

Output :

[Home](#) [Registration](#) [Login](#)

Student Registration Form

Username :

Email id :

Mobile No :

Password :

Register

Student Login Form

Username :

Password :

Login