

Lesson 02 Demo 04

Implementing Reactive Form in Angular

Objective: To create reactive forms using Angular

Tools required: Ubuntu, Visual Studio, Node.js, and Angular

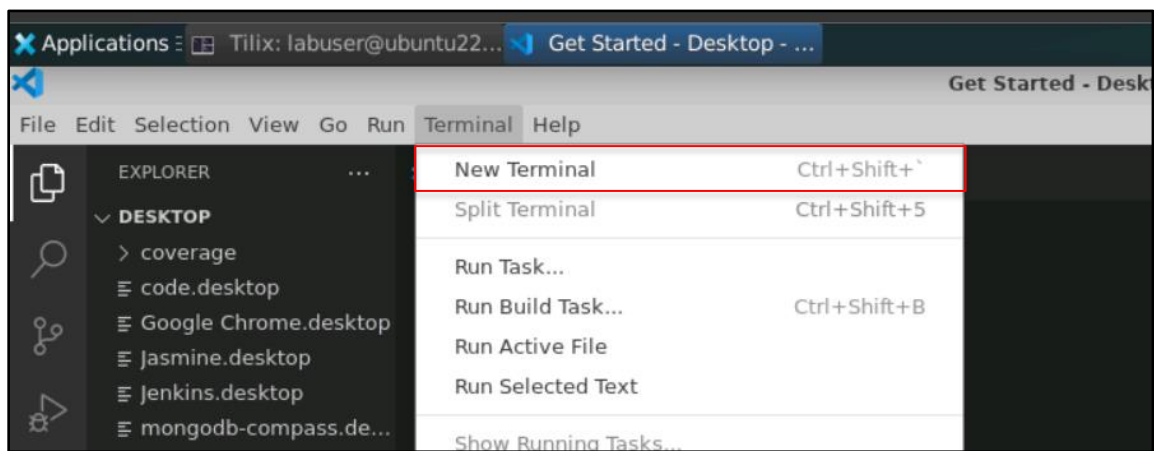
Prerequisites: Knowledge of JavaScript, Typescript, and Node.js

Steps to be followed:

1. Create reactive forms using Angular

Step 1: Create reactive forms using Angular

- 1.1 Open Visual Studio and click on **New Terminal**



- 1.2 Create a new project using the **ng new angularexamples** command

```
labuser@ubuntu2204:~$ ng new angularexamples
? Would you like to add Angular routing? (y/N)
```

Note: Enter yes whenever the terminal asks to enter yes or no.

1.3 Open the project using the **cd angularexamples** command

```
labuser@ubuntu2204:~$ cd angularexamples
labuser@ubuntu2204:~/angularexamples$
```

1.4 Go to **app.component.html** and write down the following code:

```
<h1>{{ title }}</h1>

<form [formGroup]="loginForm" (ngSubmit) = "loginUser()">

    <input type="text" name="name" placeholder="Enter Name"
formControlName = "user">

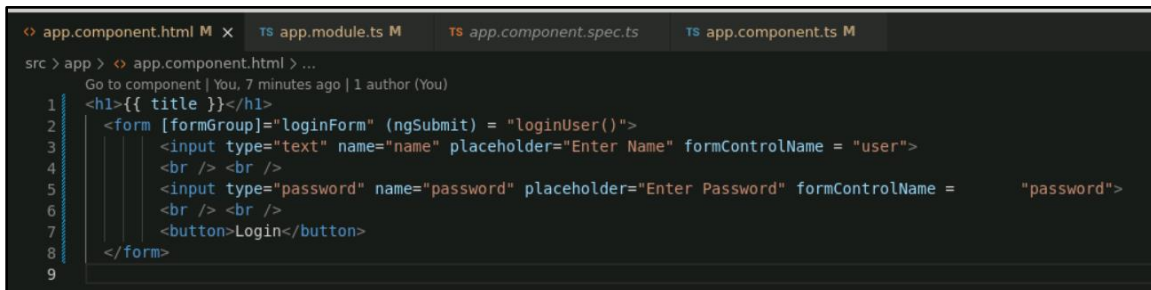
    <br /> <br />

    <input type="password" name="password" placeholder="Enter Password"
formControlName = "password">

    <br /> <br />

    <button>Login</button>

</form>
```



```
app.component.html M x TS app.module.ts M TS app.component.spec.ts TS app.component.ts M
src > app > app.component.html > ...
Go to component | You, 7 minutes ago | 1 author (You)
1 <h1>{{ title }}</h1>
2 <form [formGroup]="loginForm" (ngSubmit) = "loginUser()">
3   <input type="text" name="name" placeholder="Enter Name" FormControlName = "user">
4   <br /> <br />
5   <input type="password" name="password" placeholder="Enter Password" FormControlName = "password">
6   <br /> <br />
7   <button>Login</button>
8 </form>
9
```

1.5 Write the following code in the **app.component.ts** file:

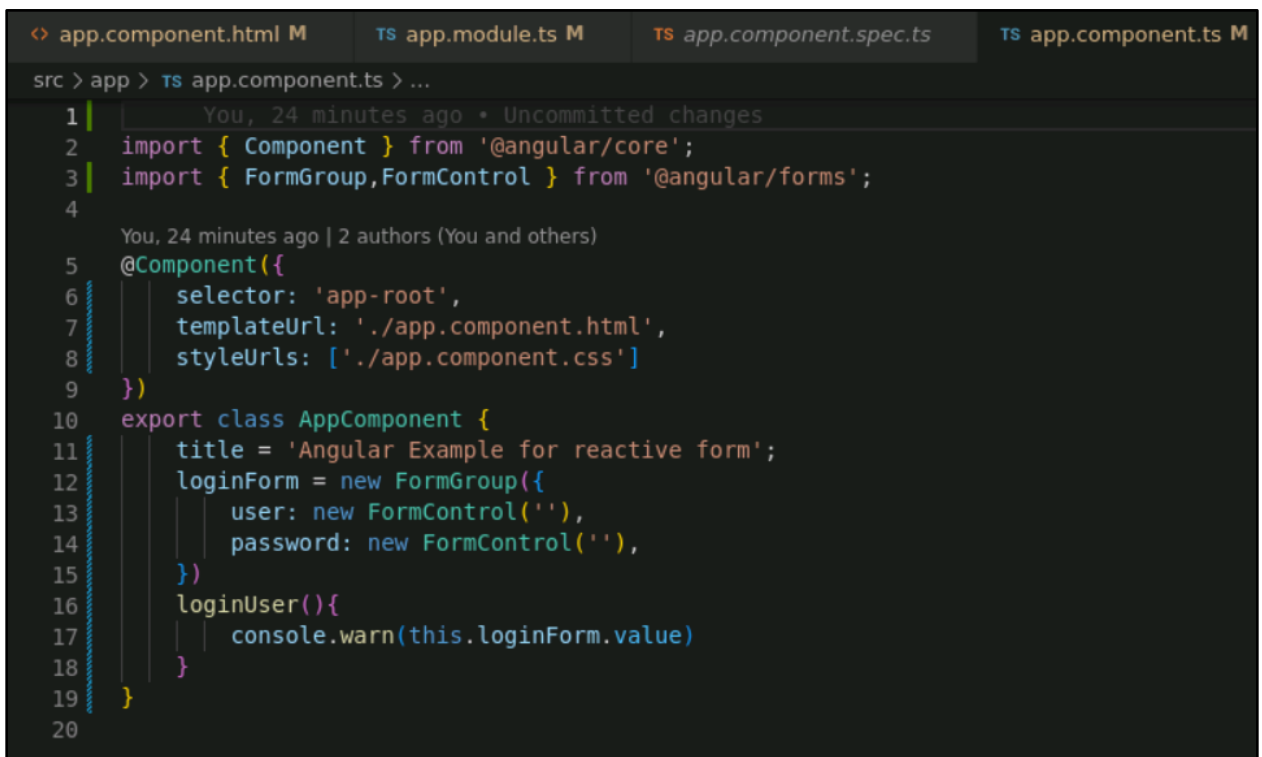
```
import { Component } from '@angular/core';
import { FormGroup, FormControl } from '@angular/forms';

@Component({
  selector: 'app-root',
```

```

        templateUrl: './app.component.html',
        styleUrls: ['./app.component.css']
    })
    export class AppComponent {
        title = 'Angular Example for reactive form';
        loginForm = new FormGroup({
            user: new FormControl(""),
            password: new FormControl(""),
        })
        loginUser(){
            console.warn(this.loginForm.value)
        }
    }
}

```



```

src > app > TS app.component.ts > ...
1 | You, 24 minutes ago • Uncommitted changes
2 | import { Component } from '@angular/core';
3 | import { FormGroup, FormControl } from '@angular/forms';
4 |
5 | You, 24 minutes ago | 2 authors (You and others)
6 | @Component({
7 |     selector: 'app-root',
8 |     templateUrl: './app.component.html',
9 |     styleUrls: ['./app.component.css']
10 | })
11 | export class AppComponent {
12 |     title = 'Angular Example for reactive form';
13 |     loginForm = new FormGroup({
14 |         user: new FormControl(''),
15 |         password: new FormControl(''),
16 |     })
17 |     loginUser(){
18 |         console.warn(this.loginForm.value)
19 |     }
20 | }

```

1.6 Go to **app.module.ts** and add **ReactiveFormsModule** under **imports** as shown in the screenshot:

```
src > app > ts app.module.ts > AppModule
You, 19 minutes ago | 2 authors (Ubuntu and others)
1 import { NgModule } from '@angular/core';
2 import { BrowserModule } from '@angular/platform-browser';
3 import { ReactiveFormsModule } from '@angular/forms';
4
```

1.7 Enter the **ng serve** command in the terminal and paste the **localhost address** **http://localhost:4200/** in the browser

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL GITLENS SQL CONSOLE
labuser@ubuntu2204:~/Desktop/angularexample$ ng serve
? Would you like to share pseudonymous usage data about this project with the Angular Team
at Google under Google's Privacy Policy at https://policies.google.com/privacy. For more
details and how to change this setting, see https://angular.io/analytics. Yes

Thank you for sharing pseudonymous usage data. Should you change your mind, the following
command will disable this feature entirely:

  ng analytics disable

Global setting: enabled
Local setting: enabled
Effective status: enabled

✓ Browser application bundle generation complete.

Initial Chunk Files | Names | Raw Size
vendor.js            | vendor | 2.00 MB
polyfills.js         | polyfills | 314.28 kB
styles.css, styles.js | styles | 209.41 kB
runtime.js           | runtime | 6.53 kB
main.js              | main | 5.49 kB
Initial Total | 2.52 MB

Build at: 2023-03-01T11:16:21.485Z - Hash: 833255c5b300a925 - Time: 15776ms

** Angular Live Development Server is listening on localhost:4200, open your browser on http://localhost:4200/ **
```

1.8 The output obtained is shown below:

