Lesson 02 Demo 05

Implementing Template-driven Form in Angular

Objective: To create a template-driven form in Angular

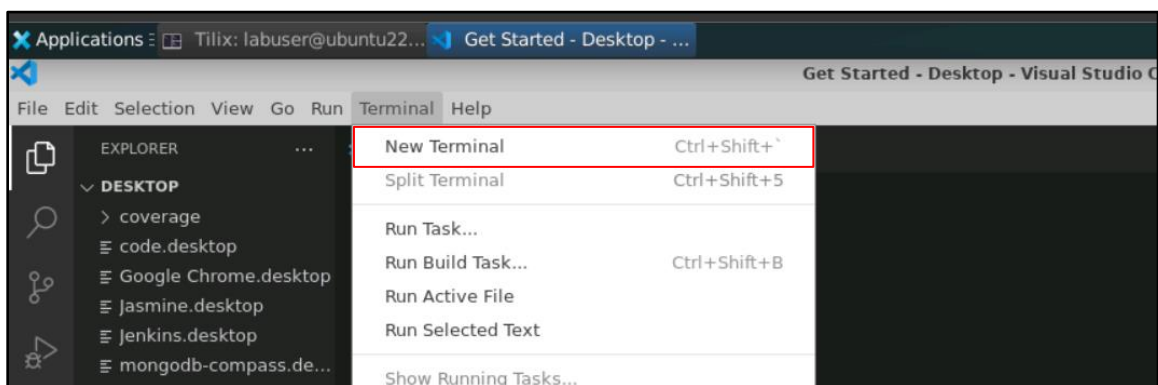**Tools required:** Ubuntu, Visual Studio, Node.js, and Angular

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

Steps to be followed:

1. Create a Template-driven form in Angular
2. Run the code on the browser

Step 1: Working with a template-driven form

1.1 Open Visual Studio and New Terminal

1.2 Create a new application using the command **ng new myapp**

```
V18.12.1
labuser@ubuntu2204:~$ ng new myapp
? Would you like to enable autocompletion? This will set up your terminal so pressing TAB while
autocompletion will modify configuration files in your home directory.) Yes
Appended `source <(ng completion script)` to `/home/labuser/.bashrc`. Restart your terminal or

     source <(ng completion script)
? 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
```

Note: Enter yes whenever the terminal asks for yes or no

1.3 Navigate to the application using the **cd myapp** command

```
hint: Names commonly chosen instead of 'master' are 'main'
hint: 'development'. The just-created branch can be rename
hint:
hint:    git branch -m <name>
     Successfully initialized git.
labuser@ubuntu2204:~$ cd myapp
labuser@ubuntu2204:~/myapp$
```

1.4 In **app.component.html,** add the below code:

```
<h1>{{ title }}</h1>
    <form #loginForm="ngForm" (ngSubmit)="loginUser(loginForm.value)">
        <input type="text" name="name" placeholder="Enter Name" ngModel>
    <br /><br />
<input type="password" name="password" placeholder="Enter Password" ngModel>
        <br /> <br />
        <button>Login</button>
    </form>
```

```html
<> app.component.html 2, M  ×
src > app > <> app.component.html > ...
        You, 3 seconds ago | 1 author (You)
   1    <h1>{{ title }}</h1>
   2    <form #loginForm="ngForm" (ngSubmit)="loginUser(loginForm.value)">
   3        <input type="text" name="name" placeholder="Enter Name" ngModel>
   4      <br /><br />
   5   <input type="password" name="password" placeholder="Enter Password" ngModel>
   6        <br /> <br />
   7        <button>Login</button>
   8    </form>
   9
```

1.5 To use the **ngForm**, import the **FormsModule** in **app.module.ts** and copy the below code in the file:

import { NgModule } from '@angular/core';
import { BrowserModule } from '@angular/platform-browser';
import { FormsModule, ReactiveFormsModule } from '@angular/forms'
import { NgForm } from '@angular/forms'

import { AppComponent } from './app.component';

@NgModule({
 declarations: [
  AppComponent
 ],
 imports: [
  BrowserModule,
  FormsModule,
ReactiveFormsModule
 ],
 providers: [],
 bootstrap: [AppComponent]
})
export class AppModule { }

```
src > app > TS app.module.ts > ⅁ AppModule
        You, 1 minute ago | 2 authors (Ubuntu and others)
    1   import { NgModule } from '@angular/core';
    2   import { BrowserModule } from '@angular/platform-browser';
    3   import { FormsModule, ReactiveFormsModule } from '@angular/forms'
    4   import { NgForm } from '@angular/forms'
    5
    6   import { AppComponent } from './app.component';
    7
        You, 1 minute ago | 2 authors (Ubuntu and others)
    8   @NgModule({
    9     declarations: [
   10       AppComponent
   11     ],
   12     imports: [
   13       BrowserModule,
   14       FormsModule,
   15   ReactiveFormsModule
   16     ],
   17     providers: [],
   18     bootstrap: [AppComponent]        Ubuntu, 18 minutes ago • initial commit
   19   })
   20   export class AppModule { }
   21
```

1.6 Write the below code in the **app.component.ts** file:

import { Component } from '@angular/core';
@Component({
        selector: 'app-root',
        templateUrl: './app.component.html',
        styleUrls: ['./app.component.css']
})
export class AppComponent {
        title = 'Angular Example for template driven form';
        loginUser(item:any){
                console.warn(item);
        }
}

```typescript
import { Component } from '@angular/core';
@Component({
    selector: 'app-root',
    templateUrl: './app.component.html',
    styleUrls: ['./app.component.css']
})
export class AppComponent {
    title = 'Angular Example for template driven form';
    loginUser(item:any){
        console.warn(item);
    }
}
```

Step 2: Running the code on the browser

2.1 Run the **ng serve** command in the terminal and copy the localhost address **http://localhost:4200/** and paste it into the browser:


```
labuser@ubuntu2204:~/myapp$ 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     |   2.04 MB |
polyfills.js          | polyfills  | 314.26 kB |
styles.css, styles.js | styles     | 209.39 kB |
main.js               | main       |  48.08 kB |
runtime.js            | runtime    |   6.51 kB |

                      | Initial Total |  2.61 MB

Build at: 2023-02-27T13:02:58.457Z - Hash: bc03a442af5c39e4 - Time: 16542ms
                                                                    Follow link (ctrl + click)
** Angular Live Development Server is listening on localhost:4200, open your browser on http://localhost:4200/ **


✔ Compiled successfully.
```
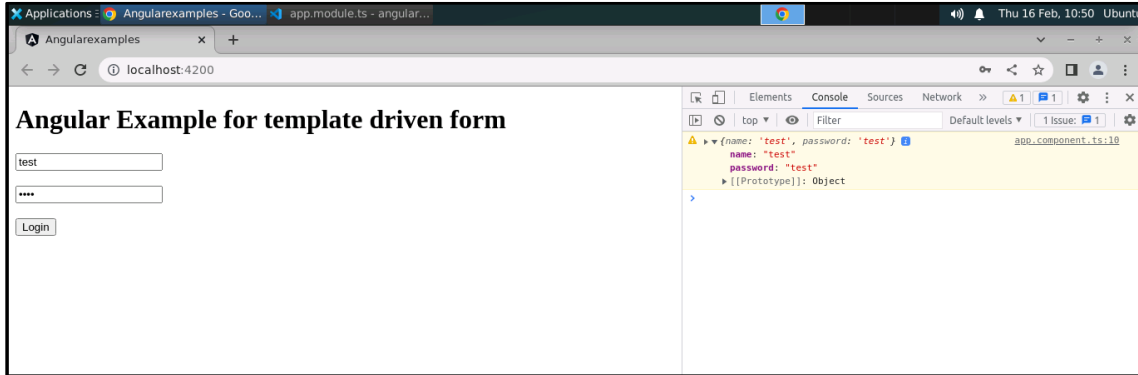
Note: The above output is an example of a template-driven form in Angular.