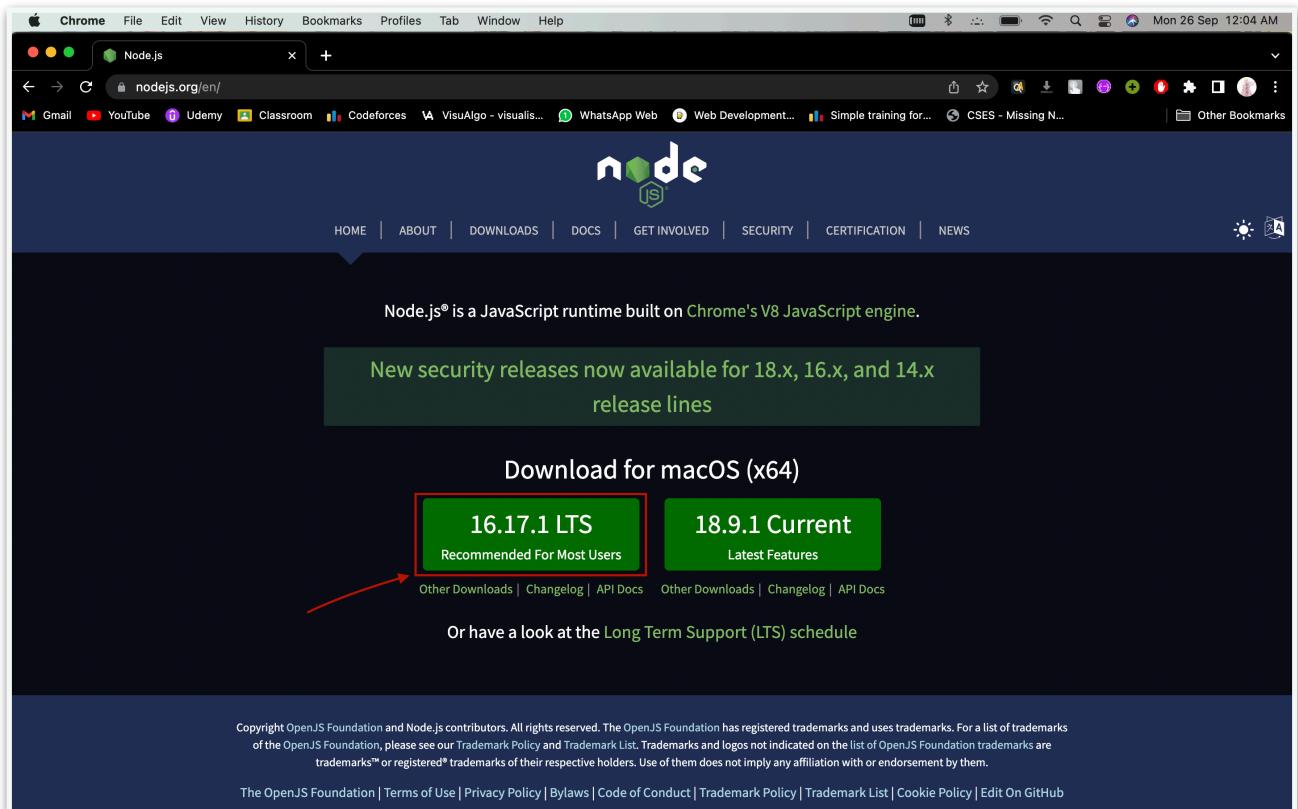


# Assignment 3c

**Topic:** Create an Angular application which will do following actions: Register User, Login User, Show User Data on Profile Component.

## 1. Installation and setup:-

- A. Install Node JS from <https://nodejs.org/en/> (LTS version recommended).



Follow the steps to complete the download.

- B. Refer <https://angular.io/cli> for setup of **Angular CLI** (The Angular CLI is a command-line interface tool that you use to initialise, develop, scaffold, and maintain Angular applications directly from a command shell.)

- C. Install the CLI using npm manager.

```
npm install -g @angular/cli (if working on windows)  
sudo npm install -g @angular/cli (if working on Mac or linux)
```

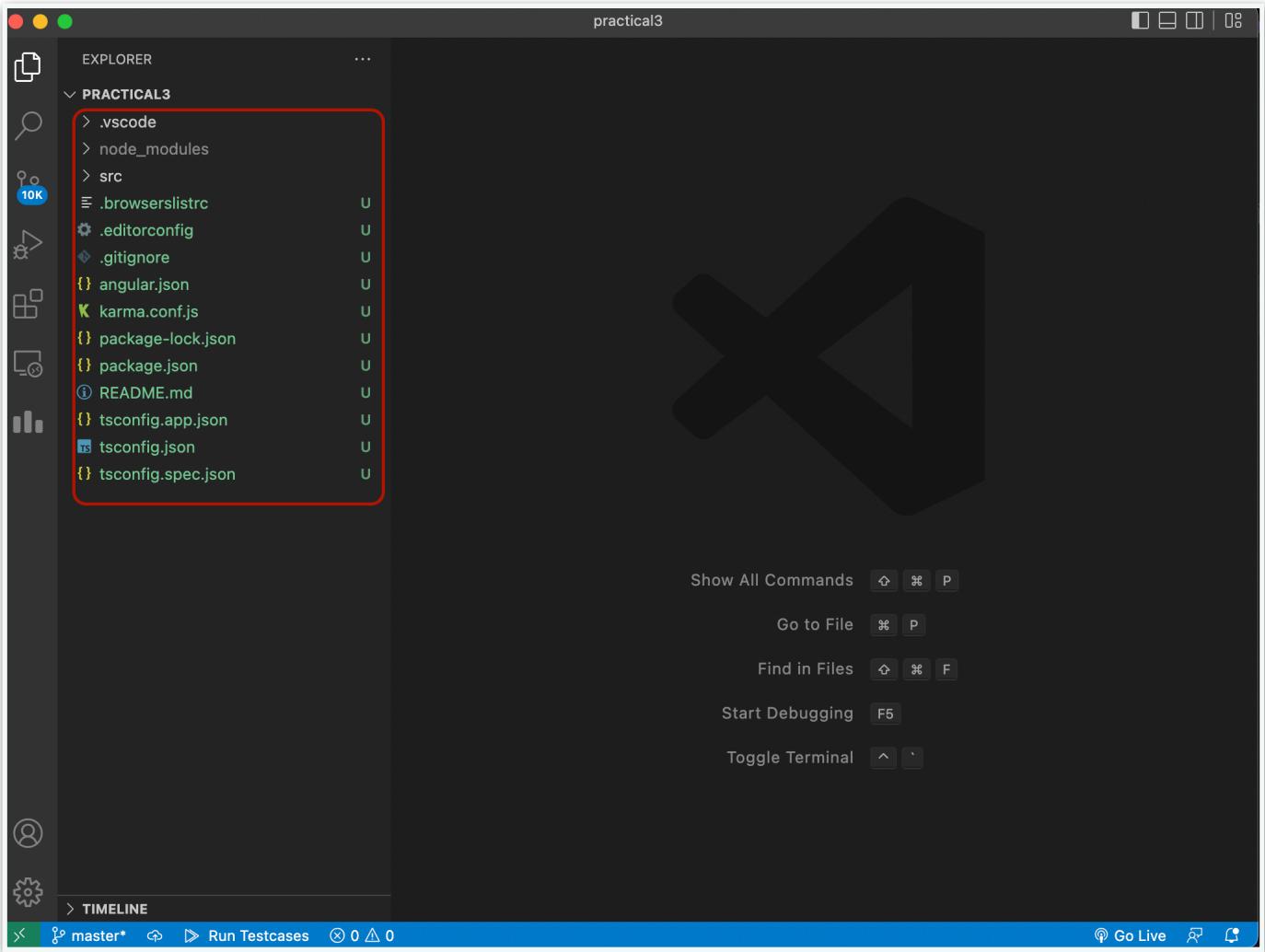
```
(base) aniketgaldhar@Anikets-MacBook-Air angular_practical % sudo npm install -g @angular/cli  
Password:  
  
changed 209 packages, and audited 210 packages in 1m  
  
25 packages are looking for funding  
  run `npm fund` for details  
  
found 0 vulnerabilities  
(base) aniketgaldhar@Anikets-MacBook-Air angular_practical % |
```

D. To create, build, and serve a new, basic Angular project on a development server, go to the parent directory of your new workspace use the following commands:

```
ng new my-first-project  
cd my-first-project
```

```
(base) aniketgaldhar@Anikets-MacBook-Air angular_practical % ng new practical3 TMPDIR=/var/folders/rc/4_szks2s7m72qk68lrngxwk00...  
  
(base) aniketgaldhar@Anikets-MacBook-Air angular_practical % ng new practical3  
Your global Angular CLI version (14.2.3) is greater than your local version (14.2.2). The local Angular CLI version is used.  
  
To disable this warning use "ng config -g cli.warnings.versionMismatch false".  
? Would you like to add Angular routing? Yes  
? Which stylesheet format would you like to use? (Use arrow keys)  
➤ CSS  
SCSS [ https://sass-lang.com/documentation/syntax#scss ]  
Sass [ https://sass-lang.com/documentation/syntax#the-indented-syntax ]  
Less [ http://lesscss.org ]
```

E. Open the project into an IDE



F. Open a terminal in IDE and install bootstrap through npm and add its path and script

angular.json — practical3

```
{
  "projects": {
    "practical3": {
      "architect": {
        "build": {
          "builder": "@angular-devkit/build-angular:browser",
          "options": {
            "outputPath": "dist/practical3",
            "index": "src/index.html",
            "main": "src/main.ts",
            "polyfills": "src/polyfills.ts",
            "tsConfig": "tsconfig.app.json",
            "assets": [
              "src/favicon.ico",
              "src/assets"
            ],
            "styles": [
              "src/styles.css",
              "node_modules/bootstrap/dist/css/bootstrap.min.css"
            ],
            "scripts": ["node_modules/bootstrap/dist/js/bootstrap.js"]
          },
          "configurations": {
            "production": {
              "budgets": [
                {
                  "type": "initial",
                  "maximumWarning": "500kb",
                  "maximumError": "1mb"
                }
              ]
            }
          }
        }
      }
    }
  }
}
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER

● (base) aniketgaldhar@Anikets-MacBook-Air practical3 % npm install bootstrap  
added 2 packages, and audited 923 packages in 1s  
124 packages are looking for funding  
run `npm fund` for details  
found 0 vulnerabilities

○ (base) aniketgaldhar@Anikets-MacBook-Air practical3 %

Ln 29, Col 69 Spaces: 2 UTF-8 LF {} JSON ⚡ Go Live ⌂ ⌂

G. Now create components for login, signup, dashboard using:

```
ng generate component Mycomponents/signup
ng generate component Mycomponents/login
ng generate component Mycomponents/dashboard
```

This will create components in src/app/Mycomponents

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER

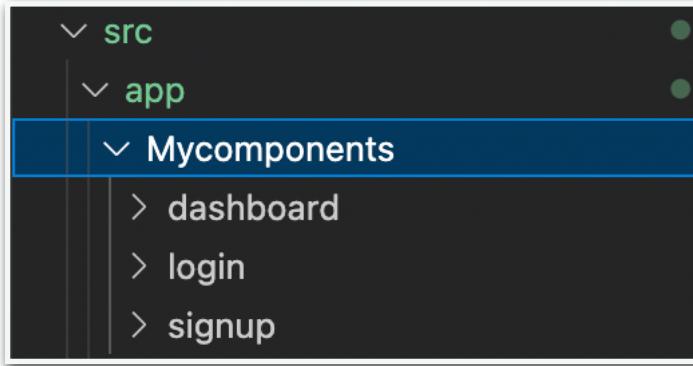
run `npm fund` for details

found 0 vulnerabilities

● (base) aniketgaldhar@Anikets-MacBook-Air practical3 % ng generate component Mycomponents/signup

CREATE src/app/Mycomponents/signup/signup.component.css (0 bytes)
CREATE Open file in editor (cmd + click) signup.component.html (21 bytes)
CREATE src/app/Mycomponents/signup/signup.component.spec.ts (599 bytes)
CREATE src/app/Mycomponents/signup/signup.component.ts (275 bytes)
UPDATE src/app/app.module.ts (488 bytes)

○ (base) aniketgaldhar@Anikets-MacBook-Air practical3 %



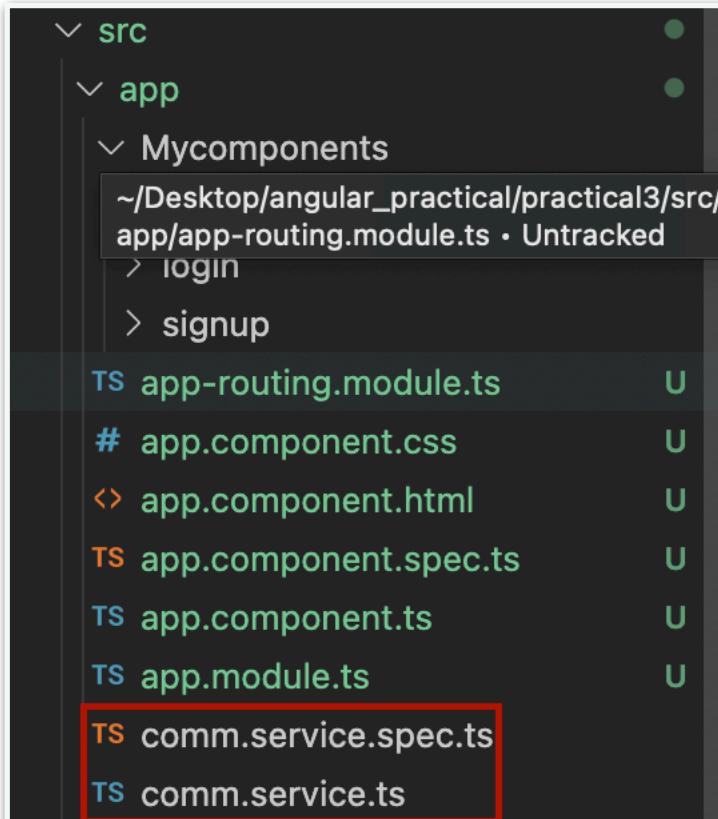
**Components:-** Components are **the most basic UI building block of an Angular app**. An Angular app contains a tree of Angular components. Angular components are a subset of directives, always associated with a template. Unlike other directives, only one component can be instantiated for a given element in a template.

#### H. Setup a service for inter component data transfer

ng generate service comm

```
● (base) CREATE Open file in editor (cmd + click) Air practical3 % ng generate service comm
CREATE src/app/comm.service.ts (133 bytes)
○ (base) aniketgaldhar@Anikets-MacBook-Air practical3 %
```

**Service:-** Simply put, services in Angular let you define code or functionalities that are then accessible and reusable in many other components in your Angular project. Services help you with the abstraction of logic and data that is hosted independently but can be shared across other components. Service files get created in src/app.



- I. Setting up json server. Refer <https://medium.com/codingthesmartway-com-blog/create-a-rest-api-with-json-server-36da8680136d>

```
npm install -g json-server (for windows)  
sudo npm install -g json-server (for Mac and linux)
```

By adding the `-g` option we make sure that the package is installed globally on your system.

```
● (base) aniketgaldhar@Anikets-MacBook-Air practical3 % sudo npm install -g json-server  
Password:  
Sorry, try again.  
Password:  
  
changed 182 packages, and audited 183 packages in 1s  
  
21 packages are looking for funding  
  run `npm fund` for details  
  
4 moderate severity vulnerabilities  
  
To address all issues (including breaking changes), run:  
  npm audit fix --force  
  
Run `npm audit` for details.  
○ (base) aniketgaldhar@Anikets-MacBook-Air practical3 % █
```

Now run the following command:

```
json-server --watch db.json
```

Running this will create a **db.json** file. Furthermore we're using the `--watch` parameter. By using this parameter we're making sure that the server is started in watch mode which means that it watches for file changes and updates the exposed API accordingly.

```

angular.json — practical3
{
  "projects": {
    "practical3": {
      "architect": {
        "build": {
          "options": {
            "scripts": [
              "src/polyfills.ts",
              "tsConfig": "tsconfig.app.json",
              "assets": [
                "src/favicon.ico",
                "src/assets"
              ],
              "styles": [
                "src/styles.css",
                "node_modules/bootstrap/dist/css/bootstrap.min.css"
              ]
            ]
          }
        }
      }
    }
  }
}

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER zsh + □ ^ ×
(base) aniketgaldhar@Anikets-MacBook-Air practical3 % json-server --watch db.json
\{^_}/ hi!
Loading db.json
Oops, db.json doesn't seem to exist
Creating db.json with some default data
Done
Resources
http://localhost:3000/posts
http://localhost:3000/comments
http://localhost:3000/profile
Home
http://localhost:3000
Type s + enter at any time to create a snapshot of the database
Watching...
Some error occurred Error: listen EADDRINUSE: address already in use 127.0.0.1:3000
  at Server.setupListenHandle [as _listen2] (node:net:1432:16)
  at listenInCluster (node:net:1480:12)
  at GetAddrInfoReqWrap.doListen [as callback] (node:net:1629:7)
  at GetAddrInfoReqWrap.onlookup [as oncomplete] (node:dns:111:8) {
  code: 'EADDRINUSE',
  errno: -48,
  syscall: 'listen',
  address: '127.0.0.1',
  port: 3000
}

```

Use cmd/cltr + LMB on <http://localhost:3000/> and json server will be up and running

Congrats!

You're successfully running JSON Server

</posts> 1x  
</comments> 1x  
</profile> object

To access and modify resources, you can use any HTTP method:

GET POST PUT PATCH DELETE OPTIONS

Documentation

[README](#)

J. To start our project in localhost use:

ng serve

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER

node + ×

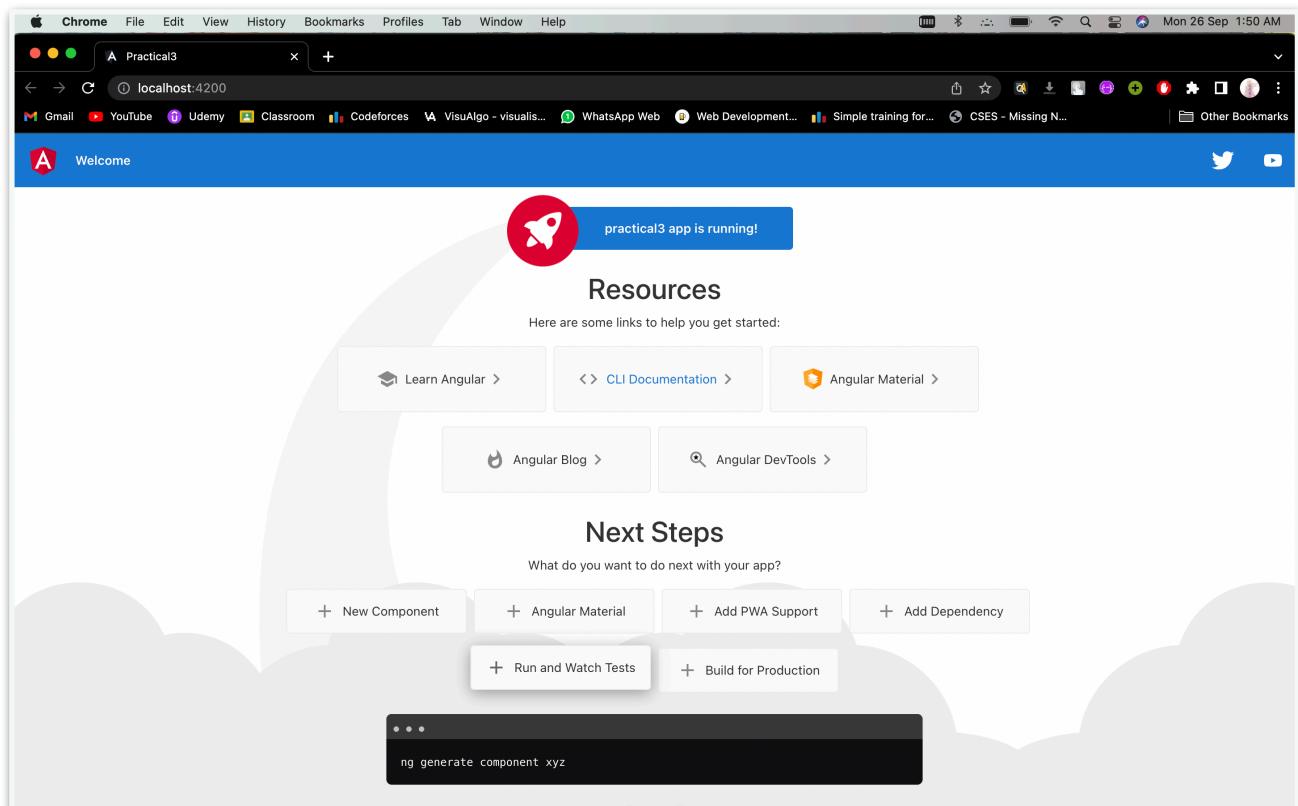
(base) aniketgaldhar@Anikets-MacBook-Air practical3 % ng serve  
✓ Browser application bundle generation complete.

Initial Chunk Files	Names	Raw Size
vendor.js	vendor	2.10 MB
styles.css, styles.js	styles	400.41 kB
polyfills.js	polyfills	318.01 kB
scripts.js	scripts	142.25 kB
main.js	main	54.97 kB
runtime.js	runtime	6.52 kB
	Initial Total	3.00 MB

Build at: 2022-09-25T20:15:24.259Z – Hash: 20c81a0a64e8d3ab – Time: 5933ms cmd/ctrl + lmb

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

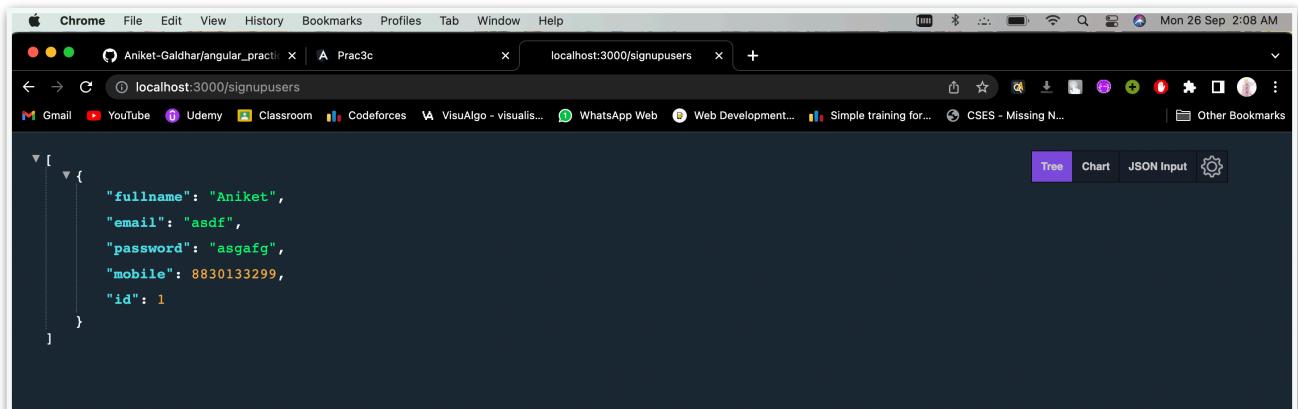
✓ Compiled successfully.



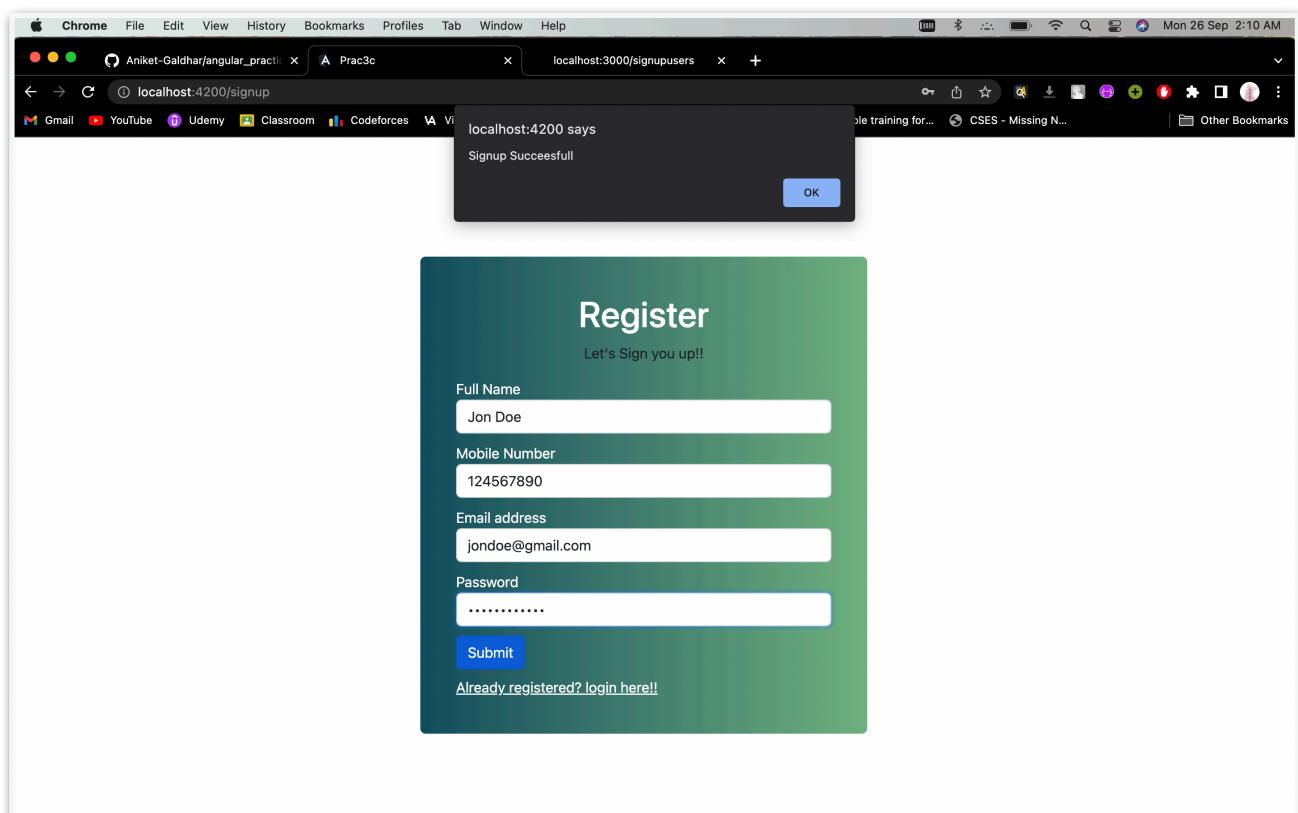
## K. Working

### Signup

Initial database.



```
[{"id": 1, "fullname": "Aniket", "email": "asdf", "password": "asgafg", "mobile": 8830133299} ]
```



localhost:4200 says

Signup Successfull

OK

## Register

Let's Sign you up!!

Full Name  
Jon Doe

Mobile Number  
124567890

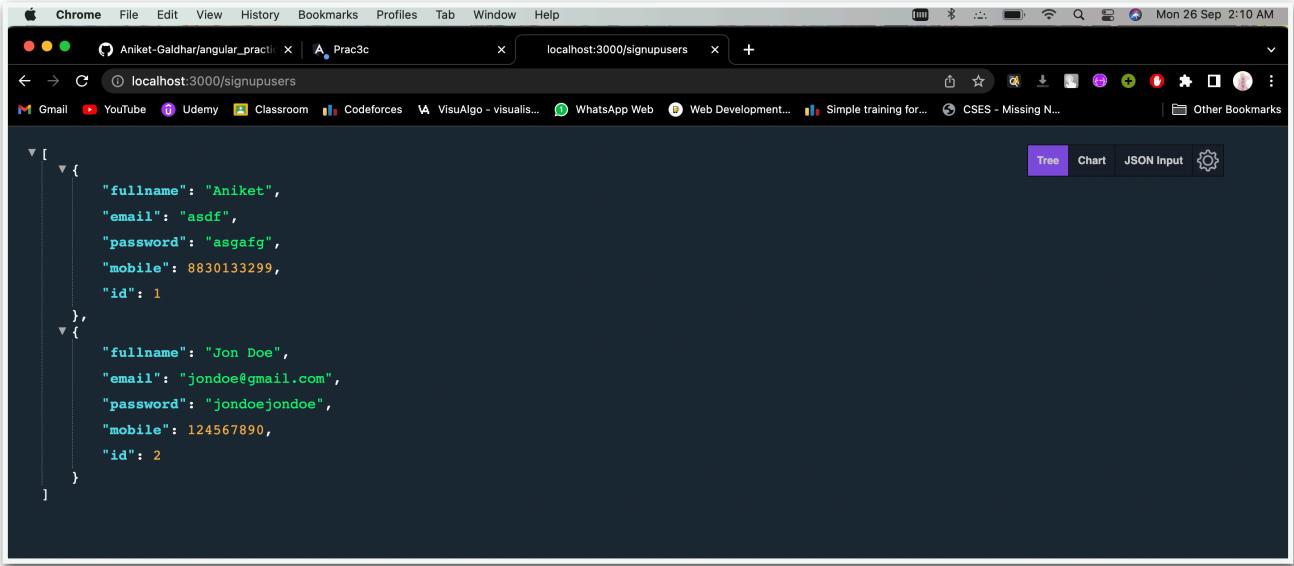
Email address  
jondoe@gmail.com

Password  
.....

Submit

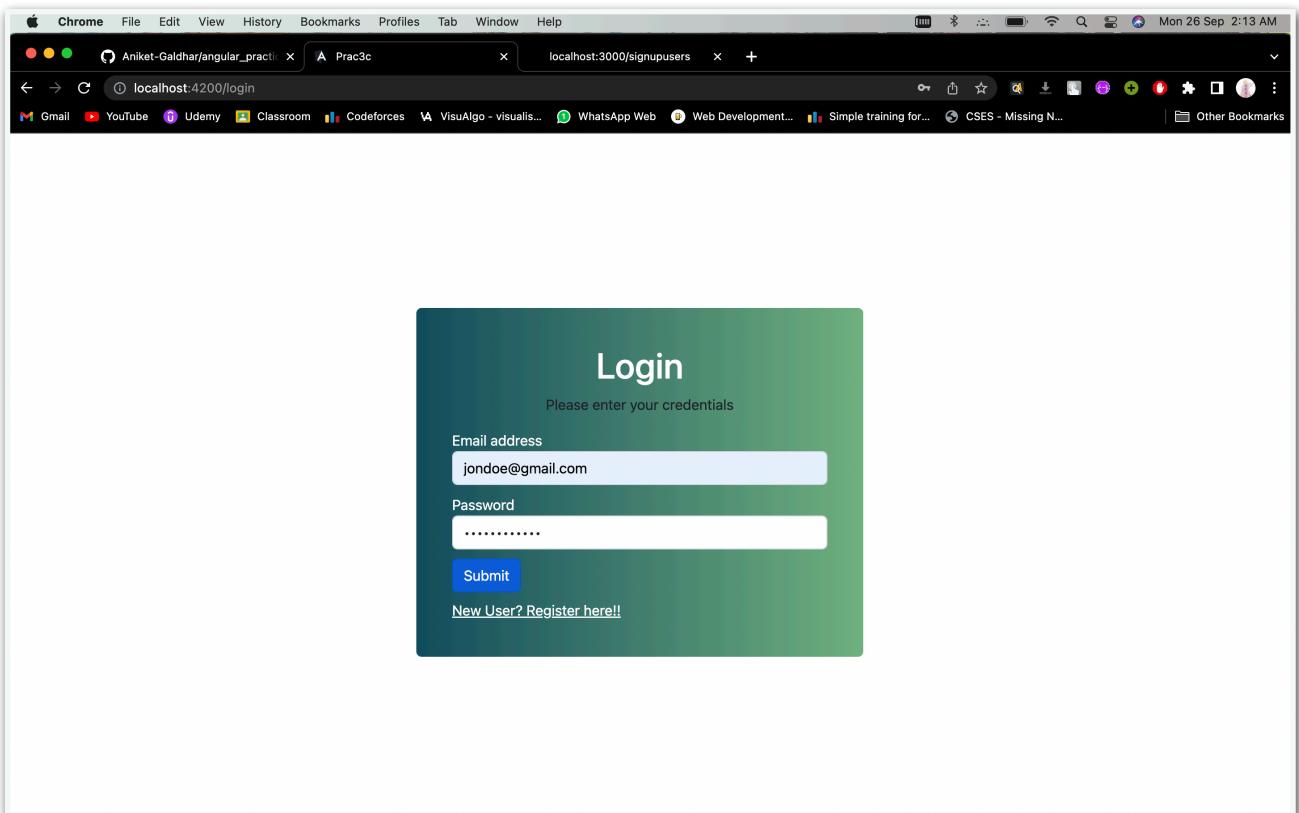
[Already registered? login here!!](#)

## Updated database:



```
[{"id": 1, "fullname": "Aniket", "email": "asdf", "password": "asgafg", "mobile": 8830133299}, {"id": 2, "fullname": "Jon Doe", "email": "jondoe@gmail.com", "password": "jondoejondoe", "mobile": 124567890}]
```

## Login Page:



The screenshot shows a static Angular dashboard application running in a Chrome browser on a Mac. The URL is `localhost:3000/signupusers`. The dashboard has a dark blue sidebar on the left with icons for various sections: Dashboard, Product, Order list, Analytics, Stock, Total order, Team, Messages, Favorites, Setting, and Log out. The main content area is titled "Dashboard" and features a search bar. It displays four summary cards: "Total Order 40,876" (Up from yesterday), "Total Sales 38,876" (Up from yesterday), "Total Profit \$12,876" (Up from yesterday), and "Total Return 11,086" (Down From Today). Below these are two sections: "Recent Sales" (table) and "Top Selling Product" (table).

### Recent Sales

Date	Customer	Sales	Total
02 Jan 2021	Alex Doe	Delivered	\$204.98
02 Jan 2021	David Mart	Pending	\$24.55
02 Jan 2021	Roe Parter	Returned	\$25.88
02 Jan 2021	Diana Penty	Delivered	\$170.66
02 Jan 2021	Martin Paw	Pending	\$56.56
02 Jan 2021	Doe Alex	Returned	\$44.95
02 Jan 2021	Aiana Lexa	Delivered	\$67.33
02 Jan 2021	Rexel Mags	Pending	\$23.53
	Tiana Loths	Delivered	\$46.52

[See All](#)

### Top Selling Product

Vuitton Sunglasses	\$1107
Hourglass Jeans	\$1567
Nike Sport Shoe	\$1234
Hermes Silk Scarves.	\$2312
Succi Ladies Bag	\$1456
Gucci Womens's Bags	\$2345
Addidas Running Shoe	\$2345
Bilack Wear's Shirt	\$1245

**Dashboard is static design.**

For project code refer: [https://github.com/Aniket-Galdhar/angular\\_practical](https://github.com/Aniket-Galdhar/angular_practical)