

DEMO-SCALABLE-APP (PROJECT STRUCTURE)

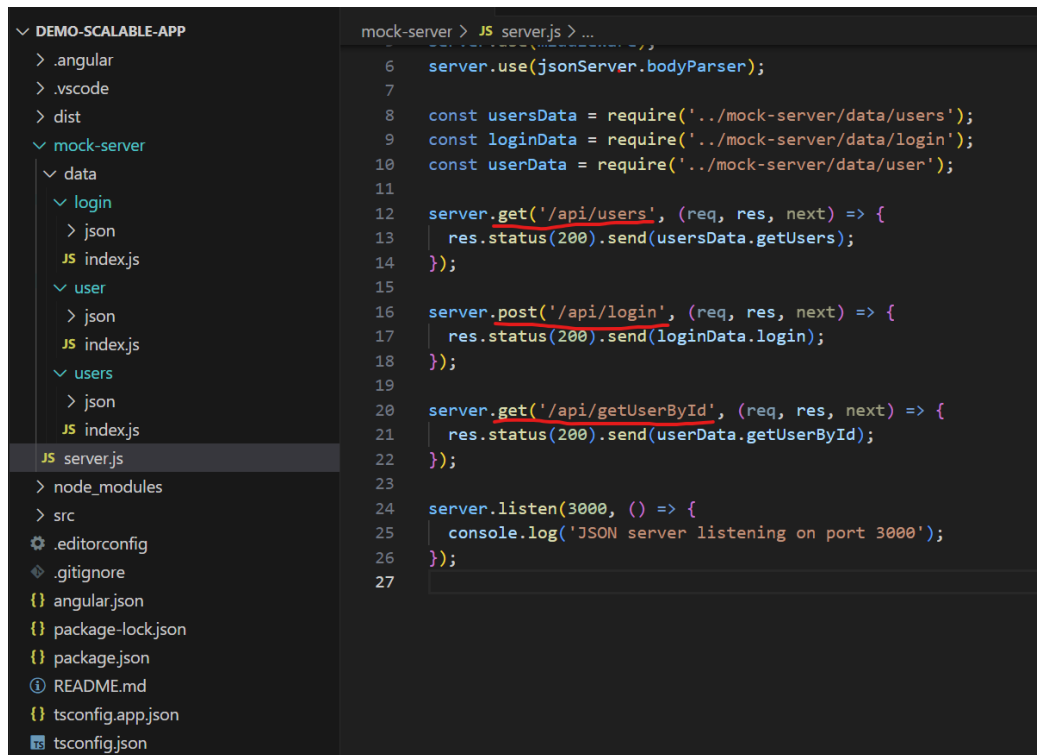
Demo-Scalable-App project comprises of the following:

1. **Mock Server:** A dummy server built using json-server, to mock fake API responses.
2. **Angular App:** This app consists of four screens i.e. *Login*, *Profile*, *Edit Profile* and *Followers*.

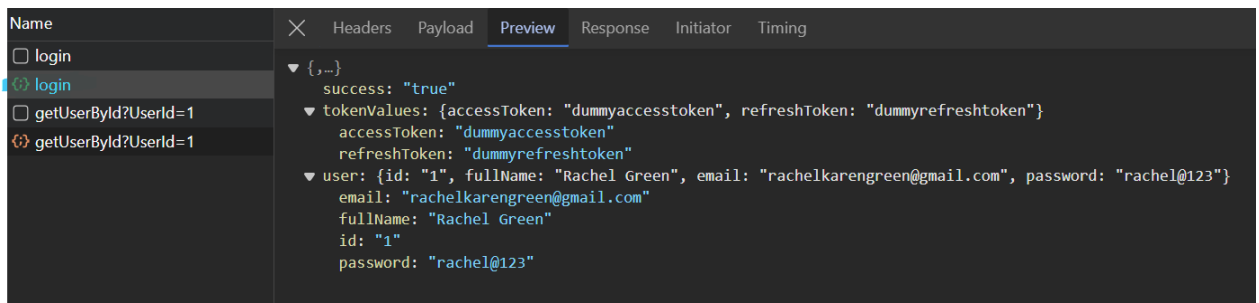
MOCK SERVER

Mock server was built using json-server, to mock *Login*, *GetUsers* and *GetUserById* APIs.

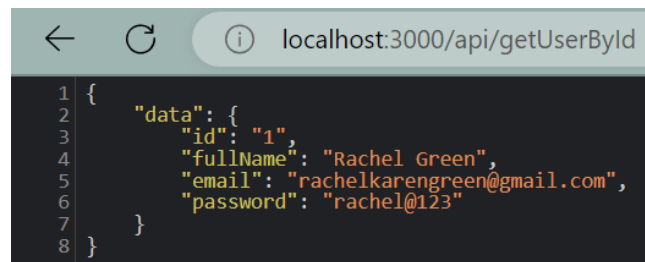
Following picture highlights the folder structure and API URLs.



1. **Login API:** Screenshot of Login API response obtained through this mock server is attached below



2. **GetUserById API:** Screenshot of GetUserById API response obtained through this mock server is attached below.



```
1 {
2   "data": {
3     "id": "1",
4     "fullName": "Rachel Green",
5     "email": "rachelkarengreen@gmail.com",
6     "password": "rachel@123"
7   }
8 }
```

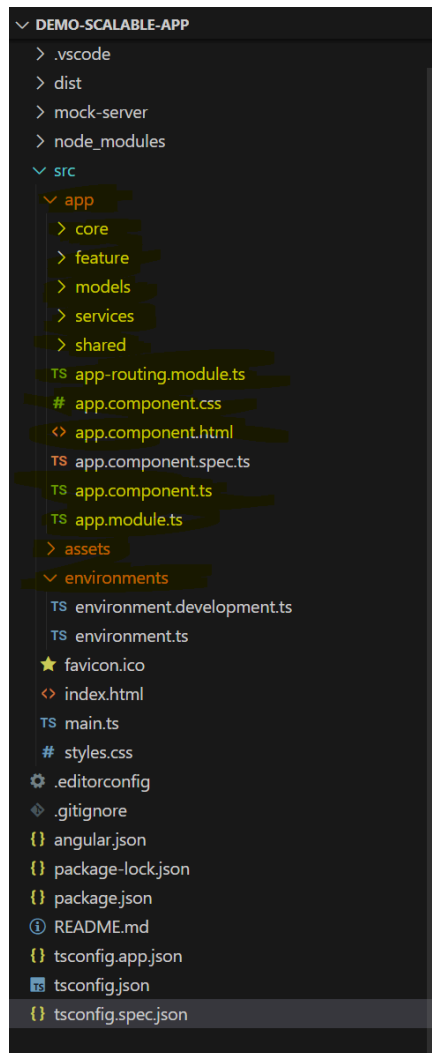
3. **GetUsers API:** Screenshot of GetUsers API response obtained through this mock server is attached below.



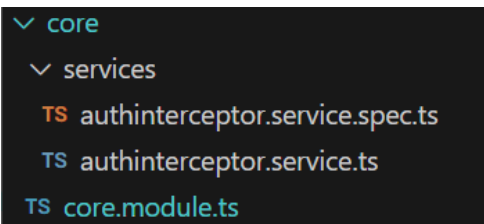
```
1 {
2   "data": {
3     "users": [
4       {
5         "id": "1",
6         "fullName": "Chandler Bing",
7         "email": "chandlermurielbing@gmail.com",
8         "password": "chandler@123"
9       },
10      {
11        "id": "2",
12        "fullName": "Joey Tribbiani",
13        "email": "josephfrancistribbiani@gmail.com",
14        "password": "joey@123"
15      },
16      {
17        "id": "3",
18        "fullName": "Phoebe Buffay",
19        "email": "phoebebuffayhannigan@gmail.com",
20        "password": "phoebe@123"
21      },
22      {
23        "id": "4",
24        "fullName": "Ross Geller",
25        "email": "rosseustacegeller@gmail.com",
26        "password": "ross@123"
27      },
28      {
29        "id": "5",
30        "fullName": "Monica Geller",
31        "email": "monicaeustacegeller@gmail.com",
32        "password": "monica@123"
33      },
34      {
35        "id": "6",
36        "fullName": "Chandler Bing",
37        "email": "chandlermurielbing@gmail.com",
38        "password": "chandler@123"
39      },
40      {
41        "id": "7",
42        "fullName": "Joey Tribbiani",
43        "email": "josephfrancistribbiani@gmail.com",
44        "password": "joey@123"
45      },
46      {
47        "id": "8",
48        "fullName": "Phoebe Buffay",
49        "email": "phoebebuffayhannigan@gmail.com",
50        "password": "phoebe@123"
51      },
52      {
53        "id": "9",
54        "fullName": "Ross Geller",
55        "email": "rosseustacegeller@gmail.com",
56        "password": "ross@123"
57      },
58      {
59        "id": "10",
60        "fullName": "Monica Geller",
61        "email": "monicaeustacegeller@gmail.com",
62        "password": "monica@123"
63      }
64     ]
65   }
66 }
```

ANGULAR APPLICATION STRUCTURE:

The structure of app is as follows:



1. **Core:** Core Module contains services that are required to be injected once e.g. HTTP Interceptor.



2. **Feature:** Feature contains all the feature components/ modules.

```
✓ feature
  > login
  ✓ profile
    > edit-profile
    > followers-list
    TS profile-routing.module.ts
    # profile.component.css
    <> profile.component.html
    TS profile.component.spec.ts
    TS profile.component.ts
    TS profile.module.ts
```

3. **Shared:** Shared Module contains all the common modules/components/pipes/directives that are used throughout the application e.g. Forms Module, Common Module, My Custom Table Component.

```
✓ shared
  ✓ components\custom-table
    # custom-table.component.css
    <> custom-table.component.html
    TS custom-table.component.spec.ts
    TS custom-table.component.ts
  > directives
  > pipes
  TS shared.module.ts
```

4. **Models:** Models contains all the classes that represent business entities. e.g. User Model.

```
✓ models
  TS user.spec.ts
  TS user.ts
```

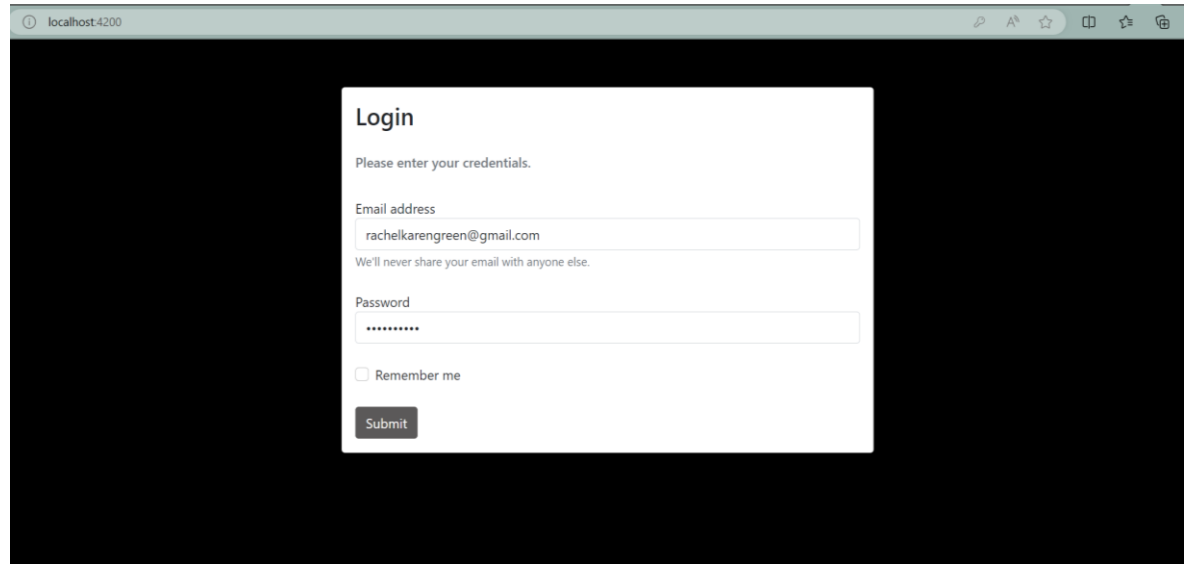
5. **Services:** Services contains code to interact with the fake APIs.

```
✓ services
  TS user.service.spec.ts
  TS user.service.ts
```

ANGULAR PROJECT USER INTERFACE

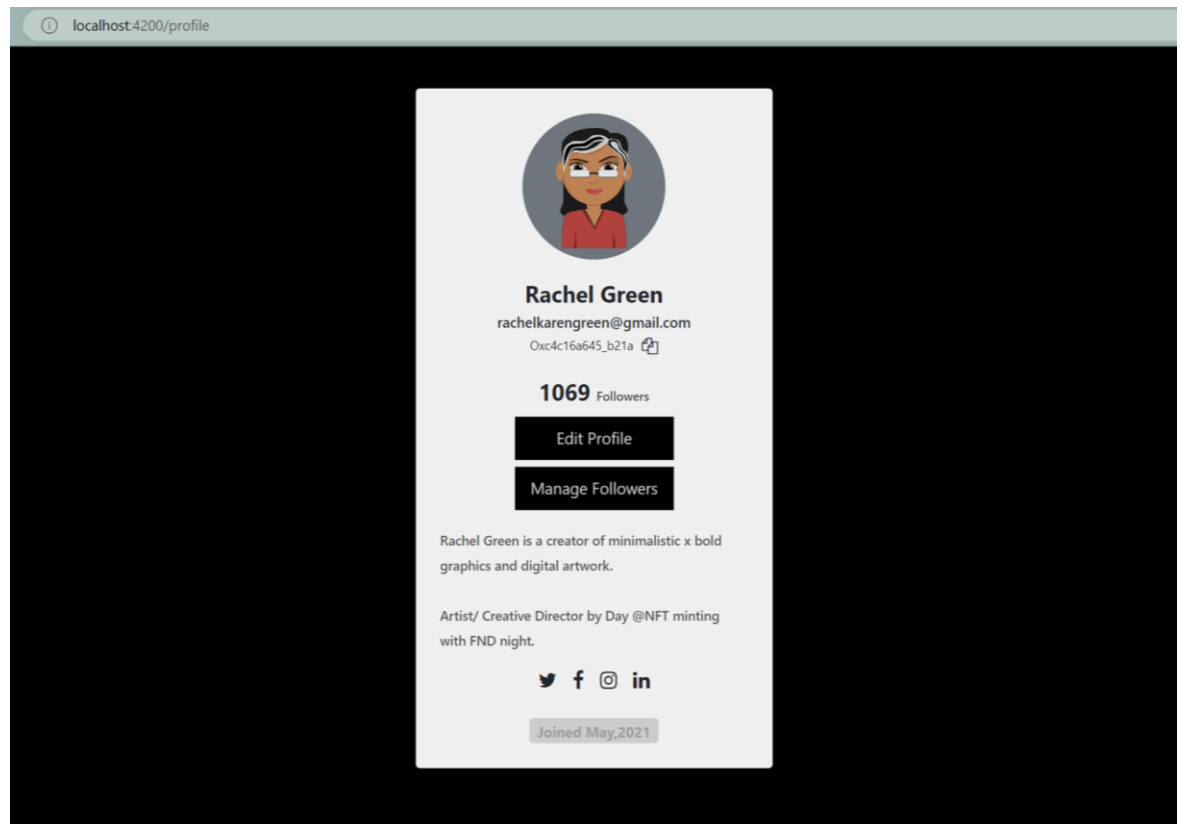
This angular application consists of 4 screens. Bootstrap was used for forms and other templates.

1. Login



A screenshot of a web browser showing a login form on a dark background. The browser's address bar displays 'localhost:4200'. The form is titled 'Login' and includes a subtext 'Please enter your credentials.' It features two input fields: 'Email address' with the value 'rachelkarengreen@gmail.com' and a note 'We'll never share your email with anyone else.', and 'Password' with masked characters '*****'. Below the password field is a checkbox labeled 'Remember me' and a 'Submit' button.

2. User Profile



A screenshot of a web browser showing a user profile page on a dark background. The browser's address bar displays 'localhost:4200/profile'. The profile card is white and contains a circular avatar of a woman with dark hair. Below the avatar, the name 'Rachel Green' is displayed, followed by the email 'rachelkarengreen@gmail.com' and a unique ID '0xc4c16a645_b21a' with a copy icon. It shows '1069 Followers' and two buttons: 'Edit Profile' and 'Manage Followers'. A bio states: 'Rachel Green is a creator of minimalistic x bold graphics and digital artwork.' Below this, it says 'Artist/ Creative Director by Day @NFT minting with FND night.' and shows social media icons for Twitter, Facebook, Instagram, and LinkedIn. At the bottom, it indicates 'Joined May, 2021'.

3. Edit Profile

localhost:4200/profile/edit

Edit Profile

All fields are required.

Full Name
Rachel Green

Email address
rachelkarengreen@gmail.com
We'll never share your email with anyone else.

Password

☐ Remember me

Update

4. Followers

localhost:4200/profile/followers

Followers

1069 people are following your profile.

| Name | Email |
|----------------|----------------------------------|
| Chandler Bing | chandlermurielbing@gmail.com |
| Joey Tribbiani | josephfrancistribbiani@gmail.com |
| Phoebe Buffay | phoebebuffayhannigan@gmail.com |
| Ross Geller | rosseustacegeller@gmail.com |
| Monica Geller | monicaeustacegeller@gmail.com |
| Chandler Bing | chandlermurielbing@gmail.com |
| Joey Tribbiani | josephfrancistribbiani@gmail.com |
| Phoebe Buffay | phoebebuffayhannigan@gmail.com |
| Ross Geller | rosseustacegeller@gmail.com |
| Monica Geller | monicaeustacegeller@gmail.com |