**Steps:**

1.

Command To Create Angular Application  
ng new name\_of\_your\_app

2. Setup json server

npm install -g json-server

3. add a command to run the JSON server into the 'package.json' file

"json-run":"json-server --watch db.json"

4. to run the JSON server

npm run json-run

5. a 'db.json' file gets created, so this file act as a database

6. install the bootstrap package into our angular application

npm install bootstrap

7. Add the bootstrap 'JS' & 'CSS' file path in 'angular.json'.

8. Add the bootstrap menu to the 'app.component.html' file

9. create a sample 'person' module along with its route module.

ng generate module person –routing

10. add our 'personModule' into the imports of the 'AppModule'.

11. create a child component like 'Home' inside of the 'person' module

ng generate component person/home

12. Add HomeComponent rout in the 'PersonRoutingModule'

**src/app/**person**/**person **-routing.module.ts:**

13. default route by adding a redirection in the 'AppRoutingModule'.

**src/app/app-routing.modulet.ts.**

**14.** Create an angular service file

ng generate service person/ person

15. inject the 'HttpClient' instance into the service constructor

**src/app/**person**/** person**.service.ts.**

16. In 'AppModule' add 'HttpClientModule' to the imports array

**src/app/app.module.ts.**

**17.** create a model for the API response

ng generate interface person/ person

**src/app/** person **/** person**.ts.**

**For Display:**

1. In 'PersonService' let's implement logic

src/app/person/ person.servicet.ts.

1. Add the following logic into the 'HomeComponent'.

**src/app/**person**/home/home.component.ts.**

1. Add the following HTML into the 'HomeComponent.html' file.

**Src/**person**/home/home.component.html:**

**For Create:**

1. Generate a new child component like 'Create' under the personmodule

ng generate component person/create

1. Add route for 'Create' component into 'PersonRouteModule'.

**src/app/** person **/** person **-routing.module.ts.**

1. implement the logic for invoking the save API call in  'PersonService'.

**src/app/** person **/** person**.service.ts.**

1. update the logic in the 'CreateComponent.ts' file.

**src/app/** person **/create/create.component.ts.**

1. Add the following HTML code to the 'CreateComponent.html' file.

**src/app/** person **/create/create.component.hmtl.**

1. Add the 'FormModule'(required for ngModel) into the import array of 'PersonModule'.

**src/app/** person **/person.module.ts.**

1. In 'HomeComponent.html' add a button for navigating the 'CreateComponent'.

**src/app/** person **/home/home.component.html.**

**For Edit:**

1. Generate new child components like 'Edit' under the 'Person' module

ng generate component person/edit

2. Add route for 'Edit' component into 'PersonModule'.

**src/app/person/person-routing.module.ts**

**3.** for updating the data

**src/app/ person/person.service.ts**

**4.** logic into the 'edit.component.ts' file

**src/app/person/edit/edit.component.ts.**

**5.** Add the following HTML code to the 'edit.component.html'.

**src/app/person/edit/edit.component.html.**

**6.** Add the edit button in 'home.component.html' file

**src/app/person/home/home.component.html.**

**For Delete:**

1**.**implement delete API logic in PersonService'.

**src/app/person/person.service.ts:**

2.update the 'home.component.ts' file

**src/app/person/home/home.component.ts:**

**3.** add 'Edit' button and 'Delete Confirmation' bootstrap modal HTML code to 'home.component.html'

**src/app/person/home/home.component.html:**