

Lesson 02 Demo 01

Create and Navigate Between Components in Angular

Objective: To create and navigate between components in Angular

Tools required: Visual Studio Code

Prerequisites: JavaScript

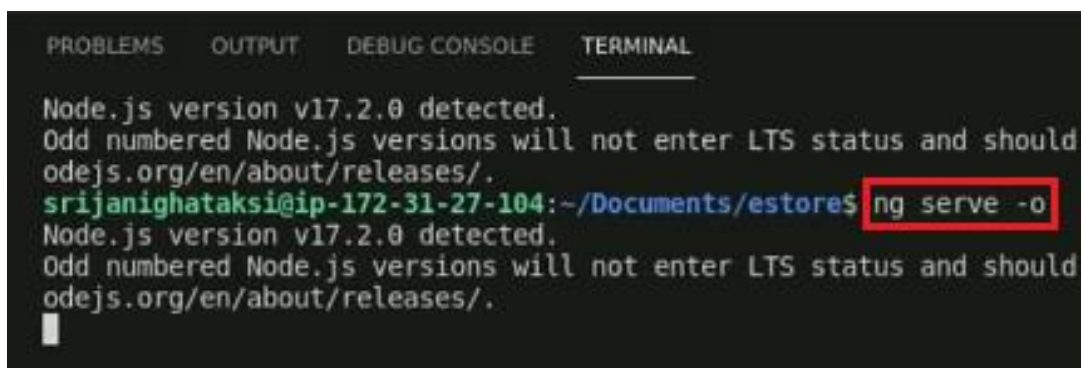
Steps to be followed:

1. Generate new components
2. Create a navigation bar
3. Style the navigation bar
4. Add routing specifications

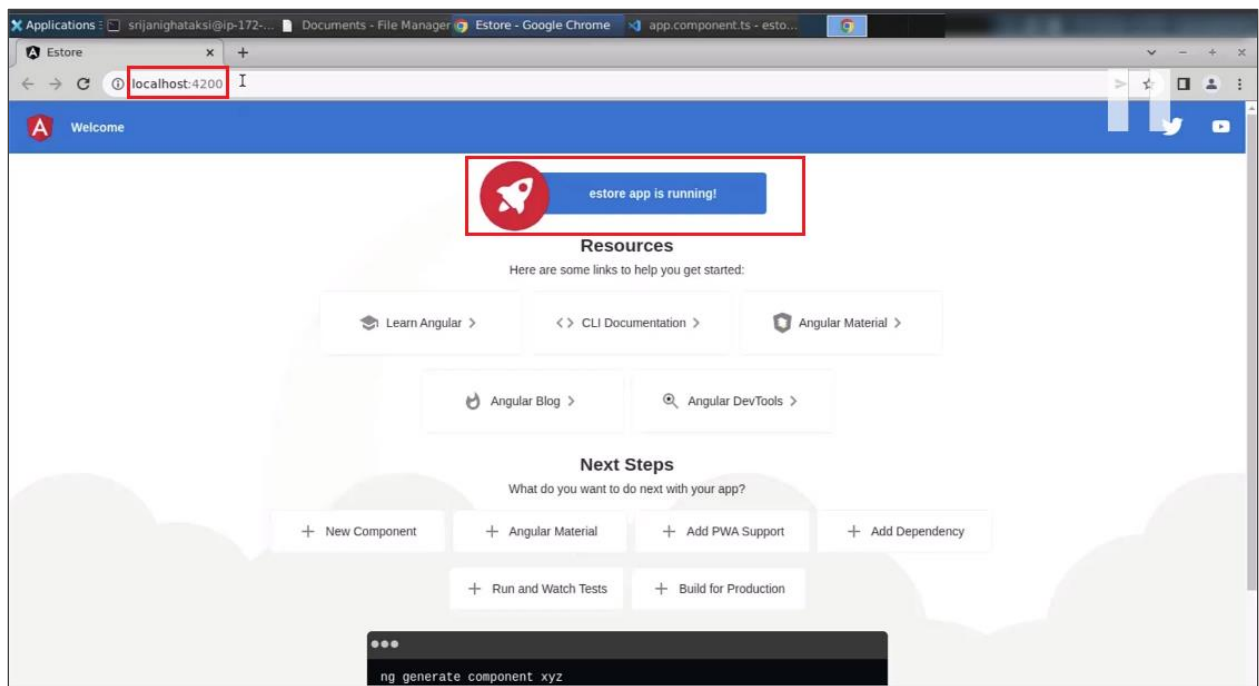
Step 1: Generate new components

- 1.1 Open the previously created **estore** application in Visual Studio Code and run the following commands to run the project:

`ng serve -o`



```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
Node.js version v17.2.0 detected.
Odd numbered Node.js versions will not enter LTS status and should
odejs.org/en/about/releases/.
srijanighataksi@ip-172-31-27-104:~/Documents/estore$ ng serve -o
Node.js version v17.2.0 detected.
Odd numbered Node.js versions will not enter LTS status and should
odejs.org/en/about/releases/.
█
```



1.2 Generate some components by using the following commands:

```
ng g c home
ng g c products
ng g c news
```

```

PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL

** Angular Live Development Server is listening on localhost:4200, open

✓ Compiled successfully.
^Csrijanighataksi@ip-172-31-27-104:~/Documents/estore$ ng g c home
Node.js version v17.2.0 detected.
Odd numbered Node.js versions will not enter LTS status and should not
odejs.org/en/about/releases/.
CREATE src/app/home/home.component.css (0 bytes)
CREATE src/app/home/home.component.html (19 bytes)
CREATE src/app/home/home.component.spec.ts (585 bytes)
CREATE src/app/home/home.component.ts (267 bytes)
UPDATE src/app/app.module.ts (553 bytes)
srijanighataksi@ip-172-31-27-104:~/Documents/estore$ ng g c

```

```

PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL

CREATE src/app/home/home.component.css (0 bytes)
CREATE src/app/home/home.component.html (19 bytes)
CREATE src/app/home/home.component.spec.ts (585 bytes)
CREATE src/app/home/home.component.ts (267 bytes)
UPDATE src/app/app.module.ts (553 bytes)
srijanighataksi@ip-172-31-27-104:~/Documents/estore$ ng g c products
Node.js version v17.2.0 detected.
Odd numbered Node.js versions will not enter LTS status and should not be used.
See https://nodejs.org/en/about/releases/.
CREATE src/app/products/products.component.css (0 bytes)
CREATE src/app/products/products.component.html (23 bytes)
CREATE src/app/products/products.component.spec.ts (613 bytes)
CREATE src/app/products/products.component.ts (283 bytes)
UPDATE src/app/app.module.ts (643 bytes)
srijanighataksi@ip-172-31-27-104:~/Documents/estore$ ng g c news

```

1.3 Check the newly created components in the Angular workspace

```

File Edit Selection View Go Run Terminal Help

EXPLORER
ESTORE
  .angular
  .vscode
  cypress
  dist
  node_modules
  src
    app
      home
      news
      products
      profile
      app-routing.module.ts
      app.component.css
      app.component.html
      app.component.spec.ts
      app.component.ts
      app.module.ts
      data-provider.service.spec.ts
      data-provider.service.ts
      assets
      environments
      favicon.ico
      index.html
      main.ts
      polyfills.ts
      styles.css
      test.ts
    OUTLINE
    TIMELINE

100 101 102 103 104 105 106 107 108 109 110 111 112 113
    .card {
    all: unset;
    border-radius: 4px;
    border: 1px solid #eee;
    background-color: #fafafa;
    height: 40px;
    width: 200px;
    margin: 0 8px 16px;
    padding: 16px;
    display: flex;
    flex-direction: row;
    justify-content: center;
    align-items: center;
    transition: all 0.2s ease-in-out;
    line-height: 24px;
    }

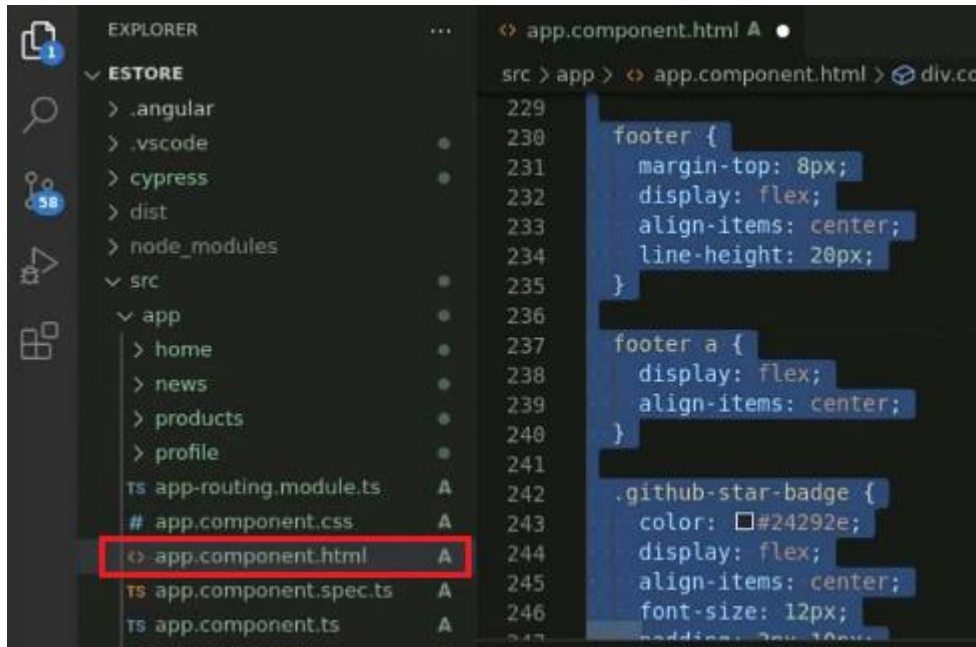
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL

CREATE src/app/products/products.component.css (0 bytes)
CREATE src/app/products/products.component.html (23 bytes)
CREATE src/app/products/products.component.spec.ts (613 bytes)
CREATE src/app/products/products.component.ts (283 bytes)
UPDATE src/app/app.module.ts (643 bytes)
srijanighataksi@ip-172-31-27-104:~/Documents/estore$ ng g c news
Node.js version v17.2.0 detected.
Odd numbered Node.js versions will not enter LTS status and should not be used.
See https://nodejs.org/en/about/releases/.
CREATE src/app/news/news.component.css (0 bytes)
CREATE src/app/news/news.component.html (19 bytes)
CREATE src/app/news/news.component.spec.ts (585 bytes)
CREATE src/app/news/news.component.ts (267 bytes)
UPDATE src/app/app.module.ts (717 bytes)
srijanighataksi@ip-172-31-27-104:~/Documents/estore$

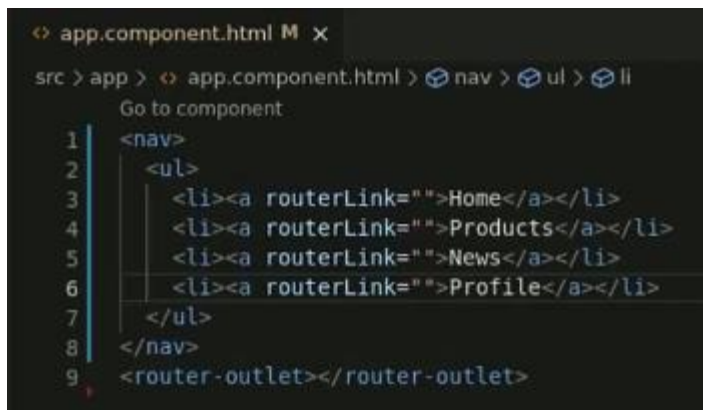
```

Step 2: Create a navigation bar

2.1 Open the app.component.html file and delete all the template code

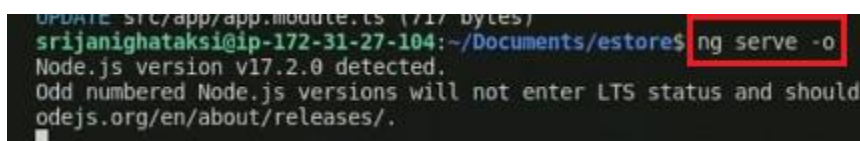


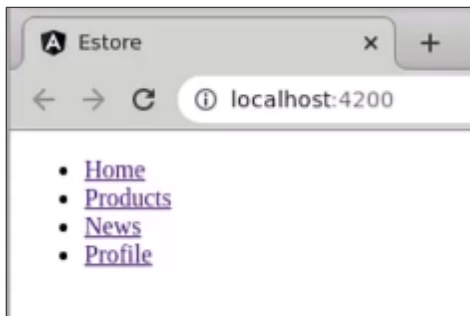
2.2 Add the router tag and an unordered list



2.3 Check the output by running the following command:

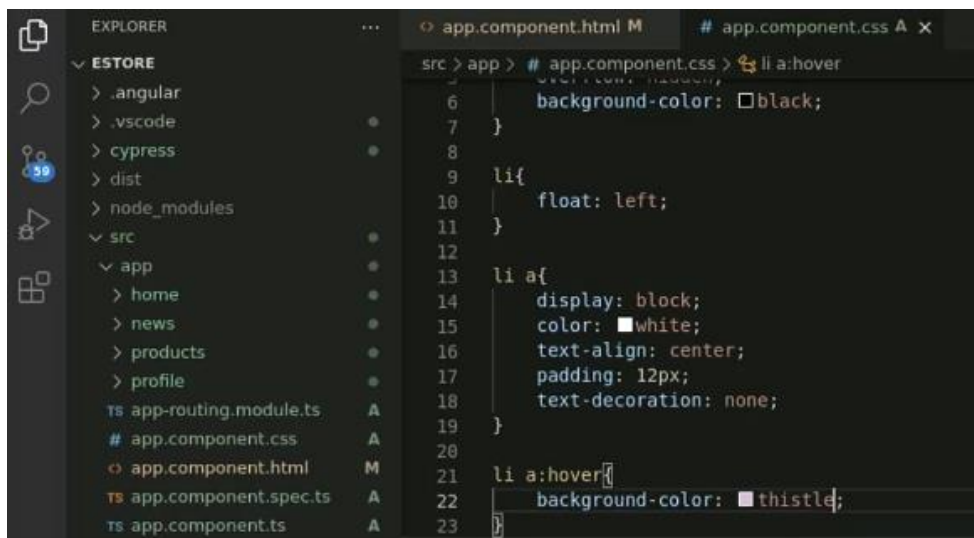
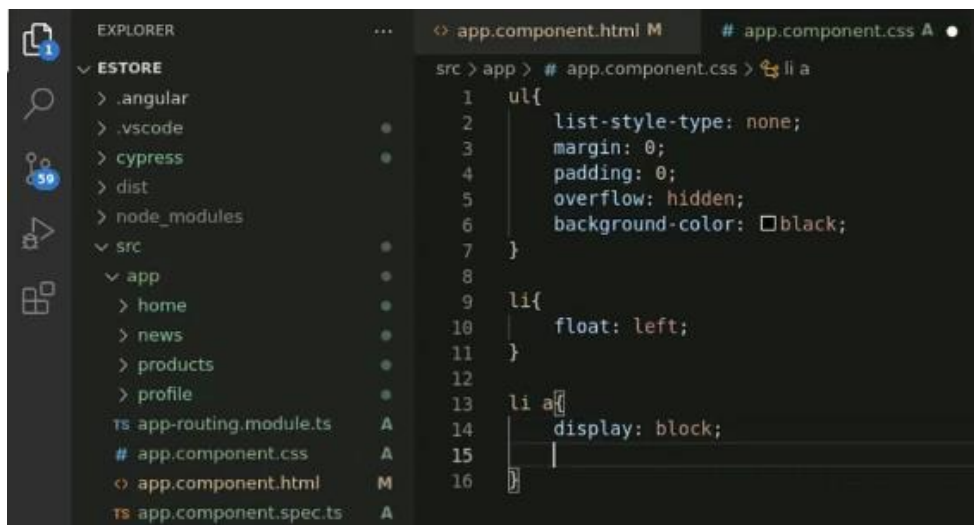
ng serve -o



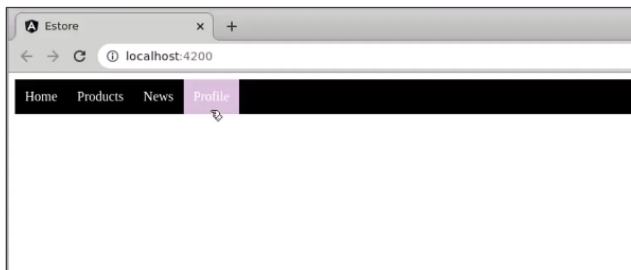


Step 3: Style the navigation bar

3.1 Open the **app.component.css** and add elements according to the HTML file

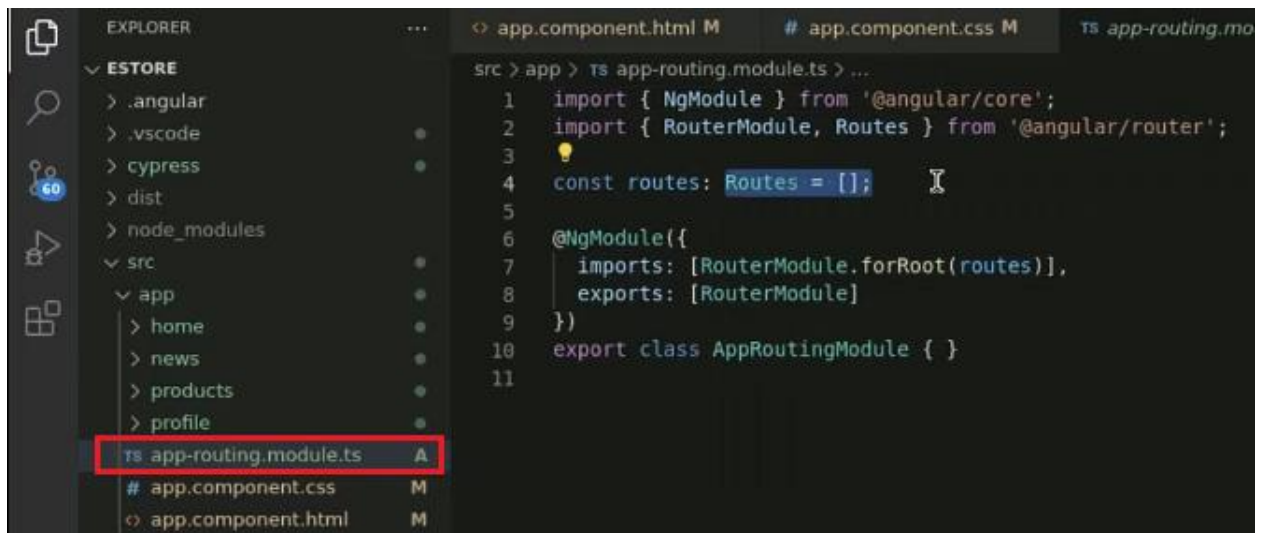


3.2 Save the **app.component.css** file and open the html file in a browser

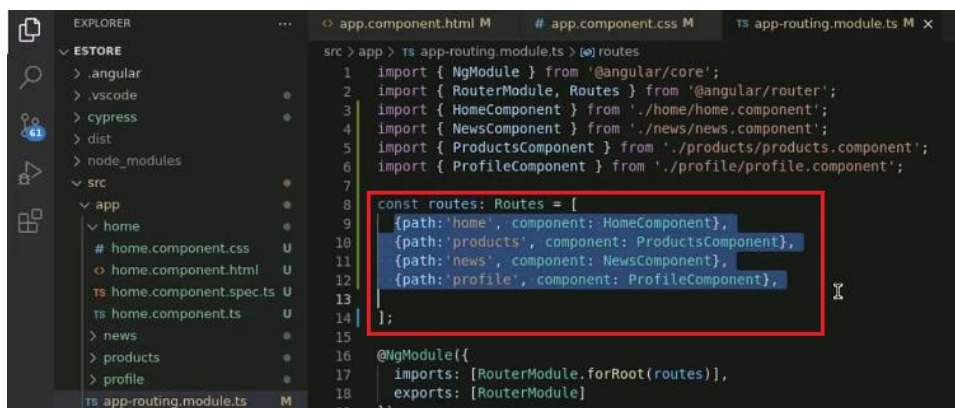


Step 4: Add routing specifications

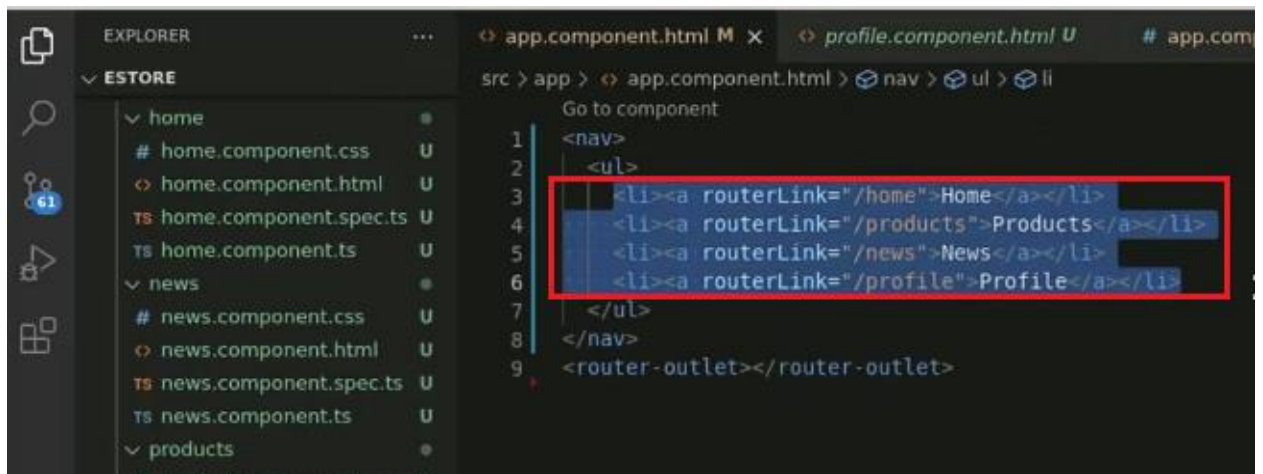
4.1 Open the **app-routing.module.ts** file



4.2 Add routes objects



4.3 Add router links in the **app.component.html** file



4.4 Save the file and go to the browser to check each component's routing

