ASSIGNMENTDFSW1201

Angular with Routing and Navigation


```typescript
import { Component } from '@angular/core';

@Component({
  selector: 'app-root',
  templateUrl: './app.component.html',
  styleUrls: ['./app.component.css']
})
export class AppComponent {
  title = 'Routing';
}
```

```
main.js                | main    | 12.65 kB |
runtime.js             | runtime |  6.51 kB |

3 unchanged chunks

Build at: 2022-05-04T11:54:43.524Z - Hash: 7057990c87317211 - Time: 3207ms
√ Compiled successfully.
```

```typescript
import { NgModule } from '@angular/core';
import { RouterModule, Routes } from '@angular/router';
import {DepartmentListComponent} from './department-list/department-list.component';
import {EmployeeListComponent} from './employee-list/employee-list.component';

const routes: Routes = [
  {path:'departments', component: DepartmentListComponent},
  {path:'employees', component: EmployeeListComponent}
];

@NgModule({
  imports: [RouterModule.forRoot(routes)],
  exports: [RouterModule]
})
export class AppRoutingModule { }
export const routingComponents = [DepartmentListComponent,EmployeeListComponent]
```

```
main.js                | main    | 12.65 kB |
runtime.js             | runtime |  6.51 kB |

3 unchanged chunks

Build at: 2022-05-04T11:54:43.524Z - Hash: 7057990c87317211 - Time: 3207ms
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```

First Screenshot — app.module.ts

```typescript
import { NgModule } from '@angular/core';
import { BrowserModule } from '@angular/platform-browser';

import { AppRoutingModule, routingComponents} from './app-routing.module';
import { AppComponent } from './app.component';

@NgModule({
  declarations: [
    AppComponent,
    routingComponents
  ],
  imports: [
    BrowserModule,
    AppRoutingModule
  ],
  providers: [],
  bootstrap: [AppComponent]
})
export class AppModule { }
```

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


√ Compiled successfully.
```

Second Screenshot — app.component.html

```html
<div style="text-align:center">
<h1>
  Routing and Navigation
</h1>
</div>
<nav>
  <a routerLink="/departments" routerLinkActive="active">Department</a>
  <a routerLink="/employees" routerLinkActive="active">Employee</a>
</nav>

<router-outlet></router-outlet>
```

```
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√ Compiled successfully.
```

```
EXPLORER                    TS app-routing.module.ts    # styles.css  ×    TS app.component.ts    <> index.html    TS app.module.ts    <> app.component.html

ROUTING                     src > # styles.css > h1
> .angular                  1    /* You can add global styles to this file, and also import other style files */
> .vscode                   2    h1 {
> node_modules              3        color: blue;
v src                       4        font-family: Arial, Helvetica, sans-serif;
  v app                     5        font-size: 250%;
    > department-list       6    }
    > employee-list         7    body {
    TS app-routing.module.ts 8        margin: 2em;
    # app.component.css     9        text-align: center;
    <> app.component.html   10    }
    TS app.component.spec.ts 11    body, input[text], button {
    TS app.component.ts     12        color: blueviolet;
    TS app.module.ts        13        font-family: Cambria, Georgia;
    > assets                14    }
    > environments          15    a{
    ★ favicon.ico           16        cursor: pointer;
    <> index.html           17        cursor: hand;
    TS main.ts              18    }
    TS polyfills.ts         19    button {
    # styles.css            20        font-family: Arial;
    TS test.ts
  ≡ .browserslistrc
  ⚙ .editorconfig
  ◇ .gitignore
  {} angular.json
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL

```
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```

Second editor view — styles.css

```
EXPLORER                    TS app-routing.module.ts    # styles.css  ×    TS app.component.ts    <> index.html    TS app.module.ts    <> app.component.html

ROUTING                     src > # styles.css > h1
> .angular                  19    button {
> .vscode                   20        font-family: Arial;
> node_modules              21        background-color: #eee;
v src                       22        border: none;
  v app                     23        padding: 5px 10px;
    > department-list       24        border-radius: 4px;
    > employee-list         25        cursor: pointer;
    TS app-routing.module.ts 26        cursor: hand;
    # app.component.css     27    }
    <> app.component.html   28    button:hover {
    TS app.component.spec.ts 29        background-color: #cfd8dc;
    TS app.component.ts     30    }
    TS app.module.ts        31    button:disabled {
    > assets                32        background-color: #eee;
    > environments          33        color: #aaa;
    ★ favicon.ico           34        cursor: auto;
    <> index.html           35    }
    TS main.ts              36
    TS polyfills.ts         37    nav a {
    # styles.css            38        padding: 5px 10px;
    TS test.ts
  ≡ .browserslistrc
  ⚙ .editorconfig
  ◇ .gitignore
  {} angular.json
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL

```
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√ Compiled successfully.
```

TS app-routing.module.ts   # styles.css ×   TS app.component.ts   <> index.html   TS app.module.ts   <> app.component

ROUTING
- > .angular
- > .vscode
- > node_modules
- ∨ src
  - ∨ app
    - > department-list
    - > employee-list
    - TS app-routing.module.ts
    - # app.component.css
    - <> app.component.html
    - TS app.component.spec.ts
    - TS app.component.ts
    - TS app.module.ts
  - > assets
  - > environments
  - ★ favicon.ico
  - <> index.html
  - TS main.ts
  - TS polyfills.ts
  - # styles.css
  - TS test.ts
- ≡ .browserslistrc
- ⚙ .editorconfig
- ◆ .gitignore
- {} angular.json

src > # styles.css > ⌘ h1

```
38        padding: 5px 10px;
39        text-decoration: none;
40        margin-top: 10px;
41        display: inline-block;
42        background-color: #eee;
43        border-radius: 4px;
44
45    }
46    nav a:visited, a:link {
47        color: rgb(14,4,20)
48    }
49    nav a:hover {
50        color: aqua;
51        background-color: blanchedalmond;
52    }
53    nav a.active {
54        color: cadetblue;
55    }
```
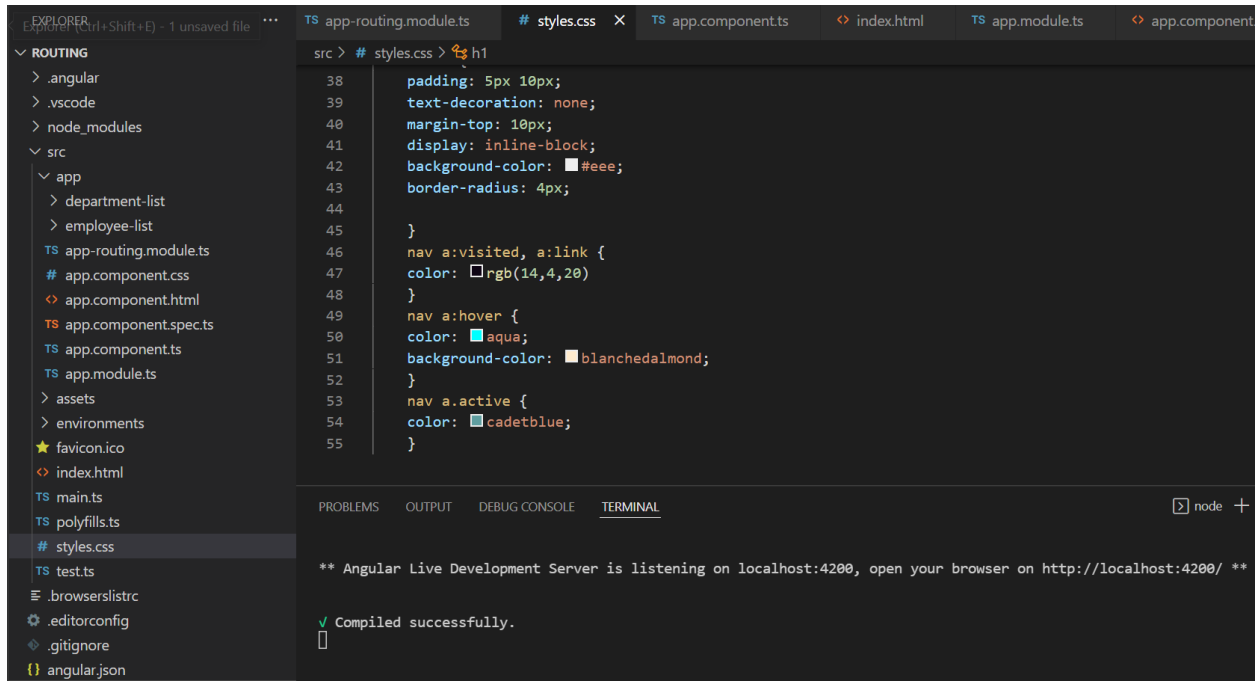
PROBLEMS   OUTPUT   DEBUG CONSOLE   **TERMINAL**   ⟩ node +
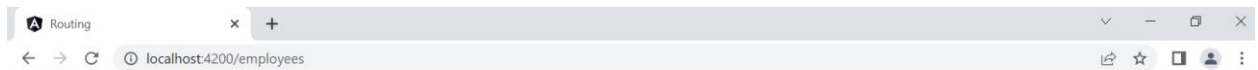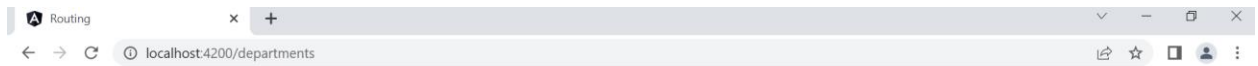
```
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√ Compiled successfully.
```

OUTPUT:

Ⓐ Routing   × +

← → C ⓘ localhost:4200/departments

Routing and Navigation

Department   Employee

department-list works!

Ⓐ Routing   × +

← → C ⓘ localhost:4200/employees
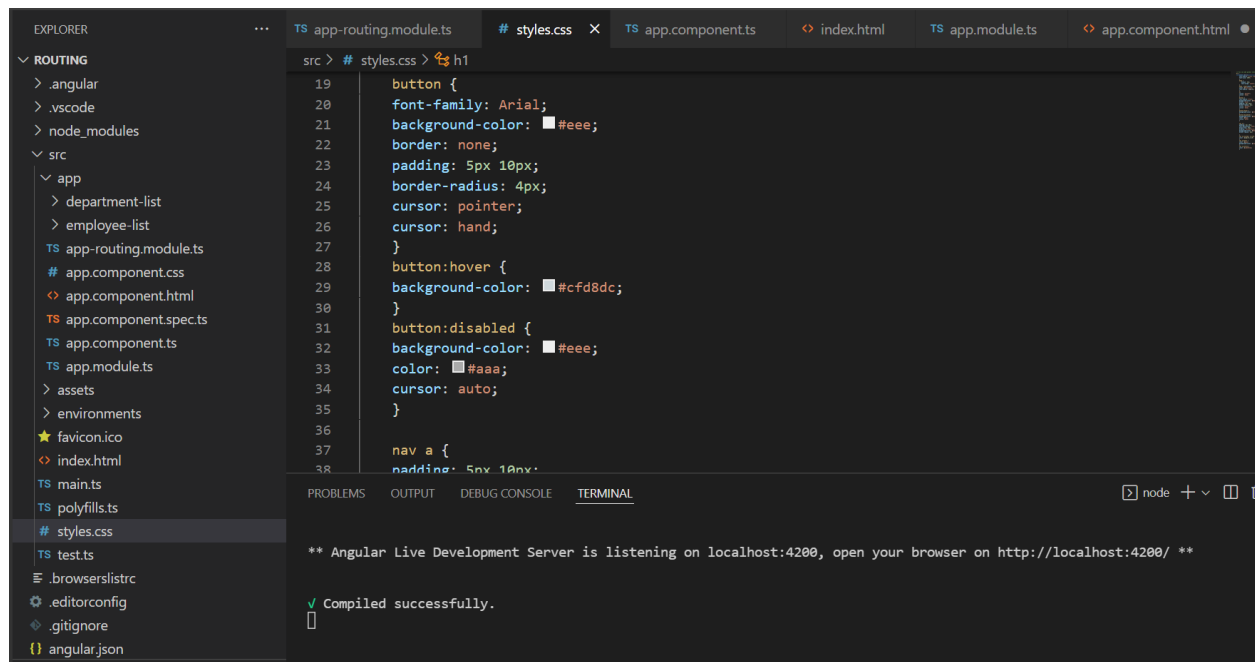
Routing and Navigation

Department   Employee

employee-list works!