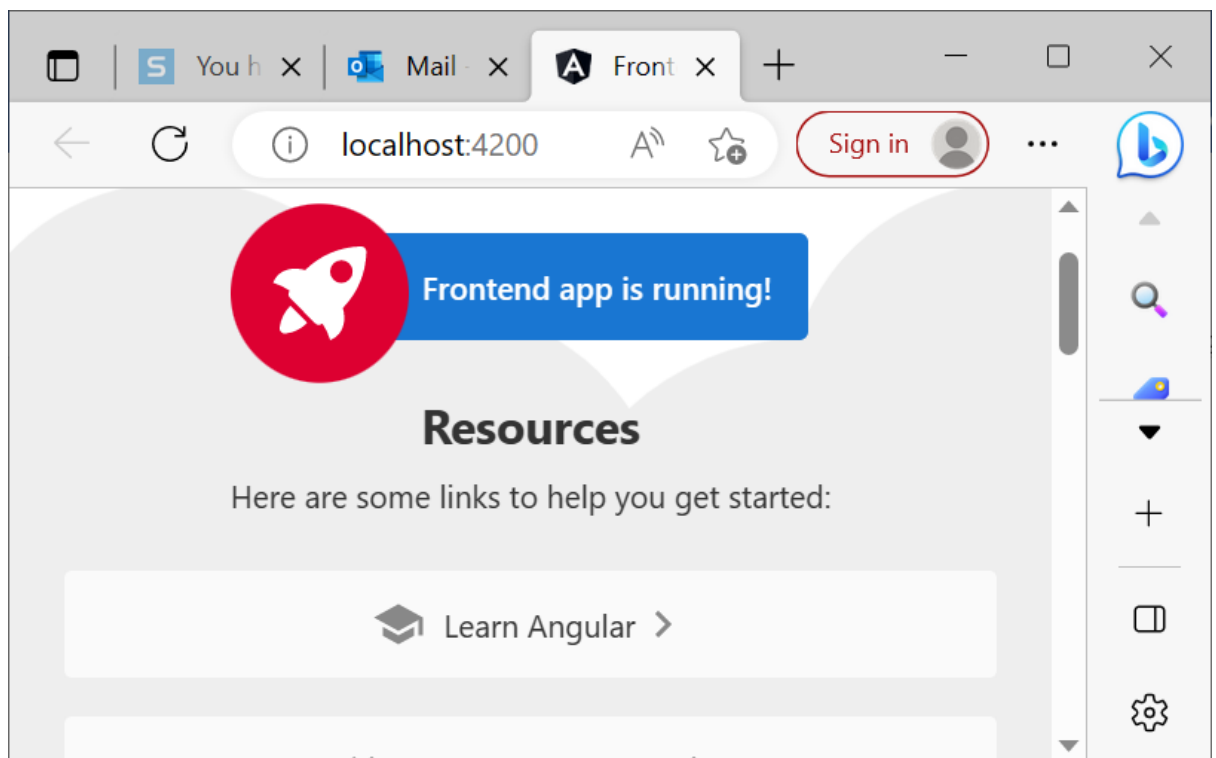


Angular

1. Install node.js
2. Npm installation
C:\Users\Home\OneDrive\Desktop\angular>npm install -g npm@9.6.2
3. Angular client installation
C:\Users\Home\OneDrive\Desktop\angular>npm install -g @angular/cli
4. Install new angular frontend app
C:\Users\Home\OneDrive\Desktop\angular>ng new Frontend
5. Display built-in Angular Component
PS C:\Users\Home\OneDrive\Desktop\angular\Frontend> ng s --open

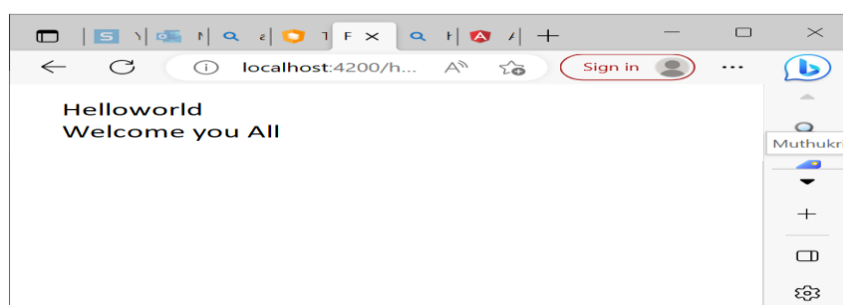


Display Helloworld and Welcome you All

- i. app.component.html

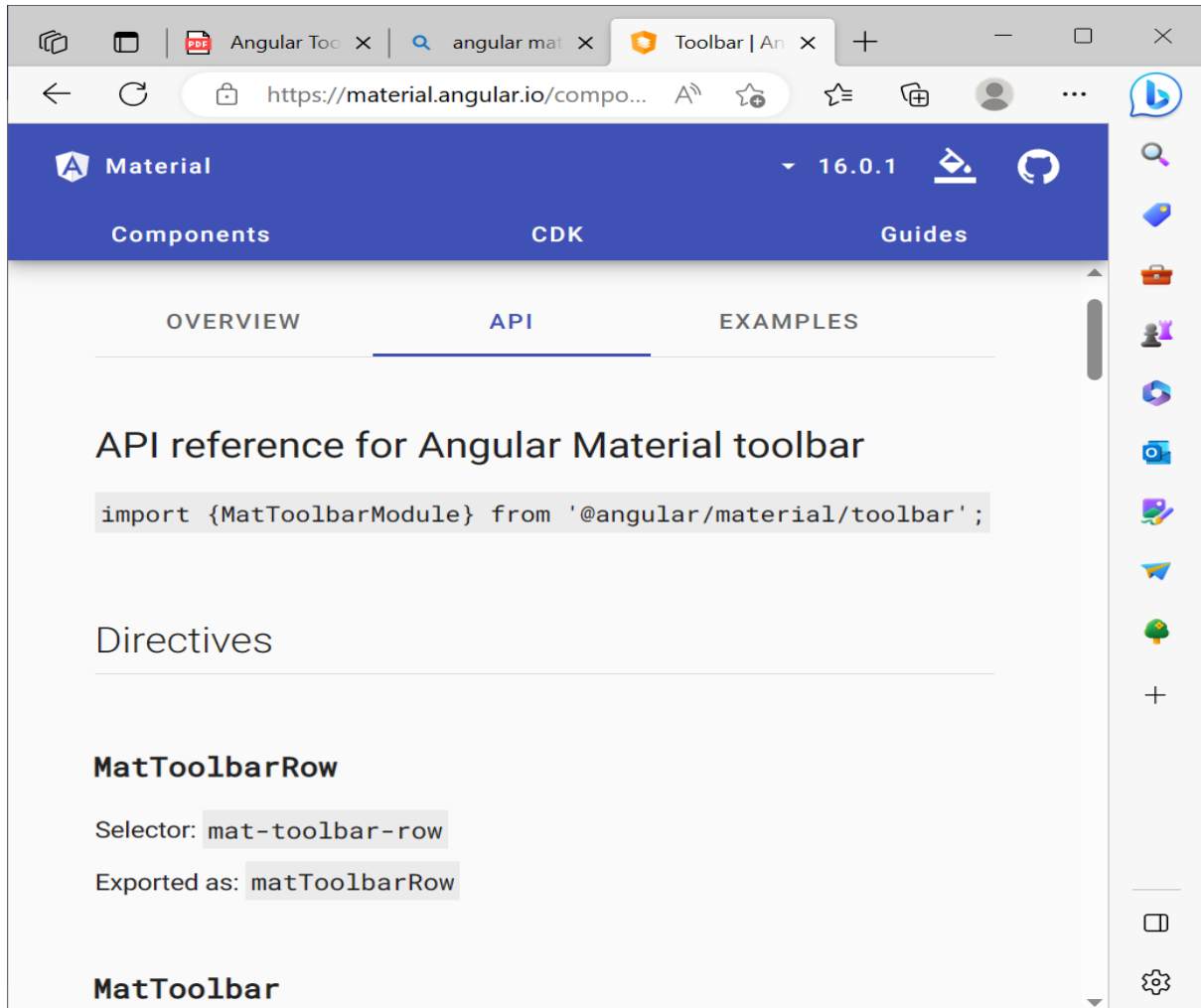
<h1> Helloworld </h1>

<h1> Welcome you All </h1>



6. Add angular material
ng add @angular/material

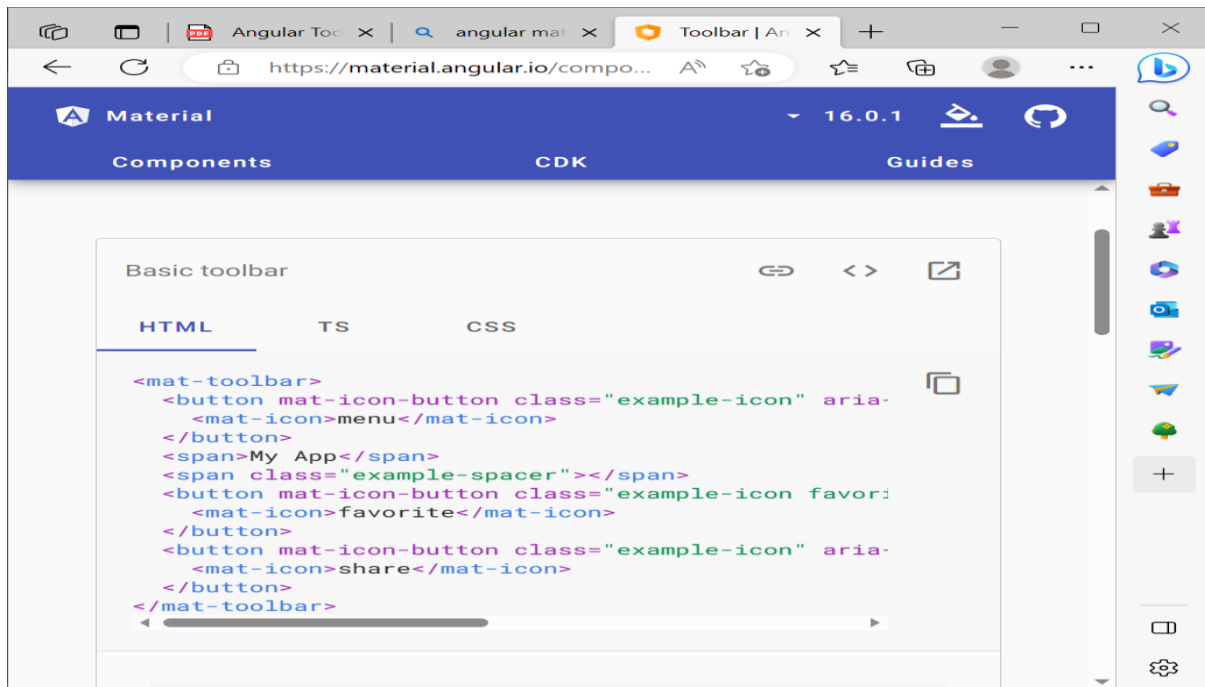
To create toolbar



- i. app.module.ts

```
import {MatToolbarModule} from '@angular/material/toolbar';  
import {MatIconModule} from '@angular/material/icon';
```

```
imports: [  
  BrowserModule,  
  AppRoutingModule,  
  BrowserModuleAnimationsModule,  
  MatToolbarModule,  
  MatIconModule  
],
```

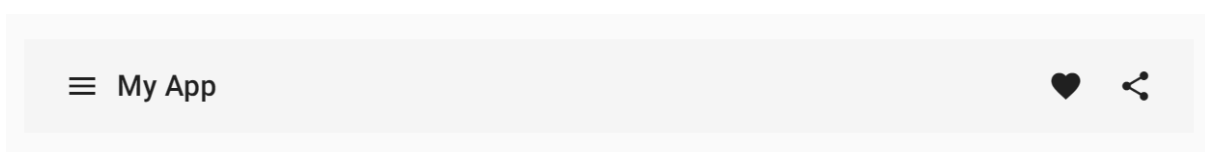


ii. app.component.html

```
<mat-toolbar>
  <button mat-icon-button class="example-icon" aria-label="Example
icon-button with menu icon">
    <mat-icon>menu</mat-icon>
  </button>
  <span>My App</span>
  <span class="example-spacer"></span>
  <button mat-icon-button class="example-icon favorite-icon" aria-
label="Example icon-button with heart icon">
    <mat-icon>favorite</mat-icon>
  </button>
  <button mat-icon-button class="example-icon" aria-label="Example
icon-button with share icon">
    <mat-icon>share</mat-icon>
  </button>
</mat-toolbar>
```

iii. app.component.css

```
.example-spacer {
  flex: 1 1 auto;
}
```



7. Create new components

```
ng g c favorite --skip-tests true
ng g c share --skip-tests true
```

8. Routing components

i. app.module.ts

```
import { RouterModule, Routes } from '@angular/router';
const routes: Routes = [
  { path: 'favorite', component: FavoriteComponent },
  { path: 'share', component: ShareComponent },
];
```

```
imports: [
  BrowserModule,
  AppRoutingModule,
  BrowserModuleAnimationsModule,
  MatToolbarModule,
  MatIconModule,
  RouterModule.forRoot(routes),
],
```

ii. app.component.html

```
<mat-toolbar>
  <button mat-icon-button class="example-icon" aria-label="Example
icon-button with menu icon">
    <mat-icon>menu</mat-icon>
  </button>
  <span>My App</span>
  <span class="example-spacer"></span>
  <button mat-icon-button routerLink="favorite" class="example-icon
favorite-icon" aria-label="Example icon-button with heart icon">
    <mat-icon>favorite</mat-icon>
  </button>
  <button mat-icon-button routerLink="share" class="example-icon" aria-
label="Example icon-button with share icon">
    <mat-icon>share</mat-icon>
  </button>
</mat-toolbar>
<router-outlet></router-outlet>
```

