

## Angular Lab

- Rohit Arrunachalam IOT B (21110433)

Source:

[home.component.css](#)

```
.results {
  display: grid;
  column-gap: 14px;
  row-gap: 14px;
  grid-template-columns: repeat(auto-fill, minmax(400px, 400px));
  margin-top: 50px;
  justify-content: space-around;
}

input[type="text"] {
  border: solid 1px var(--primary-color);
  padding: 10px;
  border-radius: 8px;
  margin-right: 4px;
  display: inline-block;
  width: 30%;
}

button {
  padding: 10px;
  border: solid 1px var(--primary-color);
  background: var(--primary-color);
  color: rgb(116, 18, 214);
  border-radius: 8px;
}

@media (min-width: 500px) and (max-width: 768px) {
```

```

.results {
  grid-template-columns: repeat(2, 1fr);
}
input[type="text"] {
  width: 70%;
}
}

@media (max-width: 499px) {
  .results {
    grid-template-columns: 1fr;
  }
}

```

[home.component.ts](#)

```

import { Component, inject } from '@angular/core';
import { CommonModule } from '@angular/common';
import { HousingLocationComponent } from '../housing-location/housing-location.component';
import { Housinglocation } from '../housinglocation';
import { HousingService } from '../housing.service';
@Component({
  selector: 'app-home',
  standalone: true,
  imports: [CommonModule,
    HousingLocationComponent],
  template: `
    <section>
      <form>

```

```

    <input type="text" placeholder="Filter by city">
    <button class="primary" type="button">Search</button>
  </form>
</section>

<section class="results">
  <app-housing-location *ngFor="let housingLocation of
housingLocationList" [housingLocation]="housingLocation"></app-housing-
location>
</section>
,
styleUrls: ['./home.component.css']
}))

export class HomeComponent {
  readonly baseUrl = 'https://angular.io/assets/images/tutorials/faa';

  housingLocationList: Housinglocation[] = [
    {
      id: 0,
      name: 'Acme Fresh Start Housing',
      city: 'Chicago',
      state: 'IL',
      photo: `${this.baseUrl}/bernard-hermant-CLKGGwIBTaY-unsplash.jpg`,
      availableUnits: 4,
      wifi: true,
      laundry: true
    },
    {
      id: 1,
      name: 'A113 Transitional Housing',
      city: 'Santa Monica',
      state: 'CA',

```

```
photo: `${this.baseUrl}/brandon-griggs-wR11KBaB86U-unsplash.jpg`,
availableUnits: 0,
wifi: false,
laundry: true
},
{
  id: 2,
  name: 'Warm Beds Housing Support',
  city: 'Juneau',
  state: 'AK',
  photo: `${this.baseUrl}/i-do-nothing-but-love-lAyXdl1-Wmc-
unsplash.jpg`,
  availableUnits: 1,
  wifi: false,
  laundry: false
},
{
  id: 3,
  name: 'Homesteady Housing',
  city: 'Chicago',
  state: 'IL',
  photo: `${this.baseUrl}/ian-macdonald-W8z6aiwfi1E-unsplash.jpg`,
  availableUnits: 1,
  wifi: true,
  laundry: false
},
{
  id: 4,
  name: 'Happy Homes Group',
  city: 'Gary',
  state: 'IN',
  photo: `${this.baseUrl}/krzysztof-hepner-978RAXoXnH4-unsplash.jpg`,
  availableUnits: 1,
  wifi: true,
```

```
    laundry: false
  },
  {
    id: 5,
    name: 'Hopeful Apartment Group',
    city: 'Oakland',
    state: 'CA',
    photo: `${this.baseUrl}/r-architecture-JvQ0Q5IkeMM-unsplash.jpg`,
    availableUnits: 2,
    wifi: true,
    laundry: true
  },
  {
    id: 6,
    name: 'Seriously Safe Towns',
    city: 'Oakland',
    state: 'CA',
    photo: `${this.baseUrl}/phil-hearing-IYfp2Ixe9nM-unsplash.jpg`,
    availableUnits: 5,
    wifi: true,
    laundry: true
  },
  {
    id: 7,
    name: 'Hopeful Housing Solutions',
    city: 'Oakland',
    state: 'CA',
    photo: `${this.baseUrl}/r-architecture-GGupkreKwxA-unsplash.jpg`,
    availableUnits: 2,
    wifi: true,
    laundry: true
  },
  {
    id: 8,
```

```
    name: 'Seriously Safe Towns',
    city: 'Oakland',
    state: 'CA',
    photo: `${this.baseUrl}/saru-robert-9rP3mxf8qWI-unsplash.jpg`,
    availableUnits: 10,
    wifi: false,
    laundry: false
  },
  {
    id: 9,
    name: 'Capital Safe Towns',
    city: 'Portland',
    state: 'OR',
    photo: `${this.baseUrl}/webaliser-_TPTXZd9mOo-unsplash.jpg`,
    availableUnits: 6,
    wifi: true,
    laundry: true
  }
];
}
```

housing-location.component.css

```
.listing {
  background: var(--accent-color);
  border-radius: 30px;
  padding-bottom: 30px;
}
.listing-heading {
  color: var(--primary-color);
  padding: 10px 20px 0 20px;
}
.listing-photo {
```

```

height: 250px;
width: 100%;
object-fit: cover;
border-radius: 30px 30px 0 0;
}
.listing-location {
padding: 10px 20px 20px 20px;
}
.listing-location::before {
content: url("/assets/location-pin.svg") / "";
}

section.listing a {
padding-left: 20px;
text-decoration: none;
color: var(--primary-color);
}
section.listing a::after {
content: "\203A";
margin-left: 5px;
}

```

housing-location.component.ts

```

import { Component, Input } from '@angular/core';
import { CommonModule } from '@angular/common';
import { Housinglocation } from '../housinglocation';

@Component({
  selector: 'app-housing-location',
  standalone: true,
  imports: [CommonModule],
  template: `

```

```

<section class="listing">
  <img class="listing-photo" [src]="housingLocation.photo" alt="Exterior
photo of {{housingLocation.name}}">
  <h2 class="listing-heading">{{ housingLocation.name }}</h2>
  <p class="listing-location">{{ housingLocation.city}},
{{housingLocation.state }}</p>
</section>
`
,
styleUrls: ['./housing-location.component.css']
})
export class HousingLocationComponent {
  @Input() housingLocation!: Housinglocation;
}

```

app-routing.module.ts

```

import { NgModule } from '@angular/core';
import { RouterModule, Routes } from '@angular/router';

const routes: Routes = [];

@NgModule({
  imports: [RouterModule.forRoot(routes)],
  exports: [RouterModule]
})
export class AppRoutingModule { }

```

app.component.specs.ts

```

import { TestBed } from '@angular/core/testing';
import { RouterTestingModule } from '@angular/router/testing';

```



```

import { AppComponent } from './app.component';

describe('AppComponent', () => {
  beforeEach(() => TestBed.configureTestingModule({
    imports: [RouterTestingModule],
    declarations: [AppComponent]
  }));

  it('should create the app', () => {
    const fixture = TestBed.createComponent(AppComponent);
    const app = fixture.componentInstance;
    expect(app).toBeTruthy();
  });

  it('should have as title \'dress\'', () => {
    const fixture = TestBed.createComponent(AppComponent);
    const app = fixture.componentInstance;
    expect(app.title).toEqual('dress');
  });

  it('should render title', () => {
    const fixture = TestBed.createComponent(AppComponent);
    fixture.detectChanges();
    const compiled = fixture.nativeElement as HTMLElement;
    expect(compiled.querySelector('.content
span')?.textContent).toContain('dress app is running!');
  });
});

```

app.component.ts

```

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

```

```

import { HomeComponent } from './home/home.component';

@Component({
  selector: 'app-root',
  template: `
    <main>
      <header class="brand-name">
        
      </header>
      <section class="content">
        <app-home></app-home>
      </section>
    </main>
  `,
  styleUrls: ['./app.component.css'],
})
export class AppComponent {
  title = 'homes';
}

```

app.module.ts

```

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

import { AppRoutingModule } from './app-routing.module';
import { AppComponent } from './app.component';
import { HomeComponent } from './home/home.component';

```

```

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

```

housing.service.ts

```

import { Injectable } from '@angular/core';
import { Housinglocation } from './housinglocation';
@Injectable({
  providedIn: 'root'
})
export class HousingService {
  housingLocationList: any;
  getAllHousingLocations(): Housinglocation[] {
    return this.housingLocationList;
  }

  getHousingLocationById(id: number): Housinglocation | undefined {
    return this.housingLocationList.find((housingLocation: { id: number; }) =>
housingLocation.id === id);
  }

  constructor() { }

```

```
}
```

housinglocation.ts

```
export interface Housinglocation {  
  id: number;  
  name: string;  
  city: string;  
  state: string;  
  photo: string;  
  availableUnits: number;  
  wifi: boolean;  
  laundry: boolean;  
}
```

index.html

```
<!doctype html>  
<html lang="en">  
<head>  
  <meta charset="utf-8">  
  <title>Homes</title>  
  <base href="/">  
  <meta name="viewport" content="width=device-width, initial-scale=1">  
  <link rel="icon" type="image/x-icon" href="favicon.ico">  
</head>  
<body>  
  <app-root></app-root>  
</body>  
</html>
```


main.ts

```
import { platformBrowserDynamic } from '@angular/platform-browser-dynamic';

import { AppModule } from './app/app.module';


platformBrowserDynamic().bootstrapModule(AppModule)
  .catch(err => console.error(err));
```

Output:




Filter by city

Search




**Acme Fresh Start Housing**

Chicago, IL






**A113 Transitional Housing**

Santa Monica, CA



**Warm Beds Housing Support**

Juneau, AK





### Homesteady Housing

Chicago, IL



### Happy Homes Group

Gary, IN



### Hopeful Apartment Group

Oakland, CA



### Seriously Safe Towns

Oakland, CA



### Hopeful Housing Solutions

Oakland, CA



### Seriously Safe Towns

Oakland, CA



### Seriously Safe Towns

Oakland, CA



### Hopeful Housing Solutions

Oakland, CA



### Seriously Safe Towns

Oakland, CA



### Capital Safe Towns

Portland, OR