

Dream Home: An Angular Project

In this Angular project, we will be creating a dynamic website that showcases various aspects of a dream home. This project will include interactive features such as sliders to visualize different room designs, a navigation menu for easy access to different sections of the dream home, and a contact form for inquiries. The website will be designed using Angular components, services, and routing to create a seamless user experience.

By Gurumurthy L

Project Overview



Comprehensive Platform

Dream Home offers property buying and service access.



Integrated Services

Planning, construction, interior design, and more.



Simplified Access

A single platform for all property needs.

Dream Home is a seamless solution. Users can find properties and essential services.

Dream Home Workflow

1

Navigation Bar

Home, About Us, Projects, Services, Contact Us, Login, Enquiries.

2

Contact Form

Users submit inquiries.

3

Admin Panel

Admin views inquiries after login.

The admin panel manages submitted enquiries. This maintains a structured workflow.

Technologies Used



Angular

Frontend Framework



JSON Server

Backend (Mocked)



Nginx

Image Server



db.json

Mock API

This selection ensures a robust development environment. This is also good for testing the application.

Angular Concepts

Components

Directives

Routing

API Calls

Dream Home utilizes key Angular concepts. This creates a scalable architecture.

Components & Directives

Components

```
@Component({  
  selector: 'app-root',  
  templateUrl: './app.component.html'  
})  
export class AppComponent {  
  title = 'My Angular App';  
}
```

Directives

```
<p *ngIf="isVisible">  
  Conditionally Shown Text  
<ul>  
  {{ item }}
```

This illustrates basic Angular component and directive implementation.

Routing & Local Storage

Routing

```
const routes: Routes = [  
  { path: 'details/:id',  
    component: DetailsComponent }  
];
```

Local Storage

```
localStorage.setItem(  
  'token',  
  'user-auth-token'  
);
```

Proper route management is vital. It is very important to have a secure authentication.

Services & API Calls

Services

```
getData(): Observable<string[]> {  
    return of(['Item 1', 'Item 2']);  
}
```

API Calls

```
this.http.get(  
    'https://jsonplaceholder.typicode.com/posts'  
)  
    .subscribe();
```

External API data is important. Services and observables help structure data flow.

Form Handling

Template-Driven

```
<form #userForm="ngForm"
  (ngSubmit)="onSubmit(userForm)">
  <input type="text" name="username" ngModel
required />
  <button type="submit">Submit</button>
</form>
```

Reactive

```
this.userForm = new FormGroup({
  username: new FormControl('')
});
```

Angular provides multiple form handling. It is good to use a different technique when working with different forms.

Conclusion



Property Platform

Dream Home enables property sales.



Core Concepts

Routing, Services, API calls.



Key Technologies

Angular, Nginx, db.json.



Scalable Design

Ensures structured architecture.

Dream Home demonstrates Angular capabilities. It also has a clear path for future growth.