

Ferrari-Themed SPA Documentation

Project Overview

The Ferrari-themed SPA is a dynamic web application built using Angular and styled with Bootstrap. The application showcases Ferrari's legacy, car models, and allows users to submit test drive inquiries.

Technologies Used

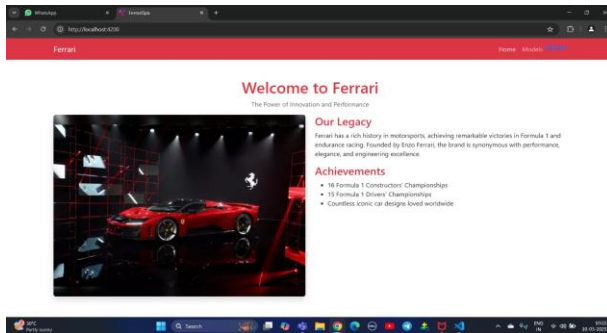
- Angular (for component-based architecture)
- Bootstrap (for styling and responsive design)
- Nginx (for serving Ferrari images)
- TypeScript (for strong typing)
- API Integration (for handling test drive data via api.json)

Folder Structure

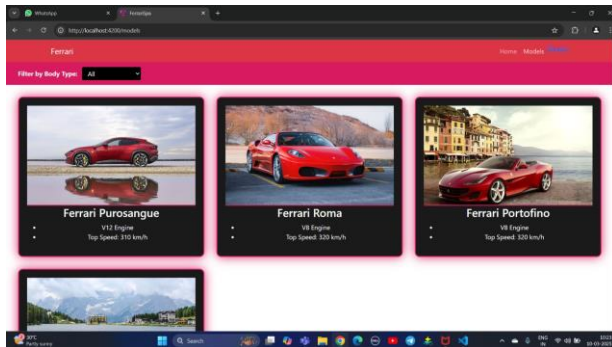
```
/src
├── /app
│   ├── /components
│   │   ├── home.component.ts
│   │   ├── models.component.ts
│   │   ├── enquiry.component.ts
│   │   ├── car-card.component.ts
│   │   └── navbar.component.ts
│   ├── /services
│   │   ├── car-data.service.ts
│   │   └── enquiry.service.ts
│   ├── /pipes
│   │   └── body-type.pipe.ts
│   ├── app-routing.module.ts
│   ├── app.component.ts
│   ├── app.module.ts
│   └── api.json
├── /assets
│   └── /images
├── index.html
└── styles.css
```

Component Breakdown

- Home Component: Showcases Ferrari's history and achievements.



- Models Component: Displays Ferrari car models with car cards and filtering functionality.



- Enquiry Component: Provides a form for booking test drives with proper validation and data submission to api.json.

A screenshot of a web browser displaying the Ferrari Enquiry page. The page has a red header with the Ferrari logo and navigation links for Home, Models, and Enquiry. The main content area features a form titled "Book a Test Ride". The form contains several input fields: "Full Name" (with the value "Adrian Cavin"), "Email" (with the value "917676388"), "Phone Number" (with the value "9877654321"), "Select Model" (a dropdown menu with "Ferrari F8 Tributo" selected), and "Preferred Date" (a date picker showing "19-03-2025"). There is a "Submit" button at the bottom of the form.

- Car Card Component: Displays individual car details like name, specs, and image.

- Navbar Component: Provides easy navigation between Home, Models, and Enquiry pages.

Routing Configuration

```
const routes: Routes = [  
  { path: '', component: HomeComponent },  
  { path: 'models', component: ModelsComponent },  
  { path: 'enquiry', component: EnquiryComponent },  
  { path: '**', redirectTo: '', pathMatch: 'full' }  
];
```

Key Features

- ✓ Fully responsive design using Bootstrap
- ✓ Detailed car model cards with specifications
- ✓ Custom pipe for filtering models by body type
- ✓ Enquiry form with data validation
- ✓ API integration for inquiry submission
- ✓ Angular services for data handling