Friends E-Store - Angular SPA Development

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Introduction

- What is Friends E-Store?

- - A Single Page Application (SPA) for an online store.

- - Features include product listing, cart management, authentication, and checkout.

- Why Angular?

- - Component-based architecture

- - Two-way data binding

- - Routing and state management

Angular Project Setup

- Install Angular CLI:
-   npm install -g @angular/cli
- Create a new project:
-   ng new friends-e-store
- Navigate to project directory:
-   cd friends-e-store
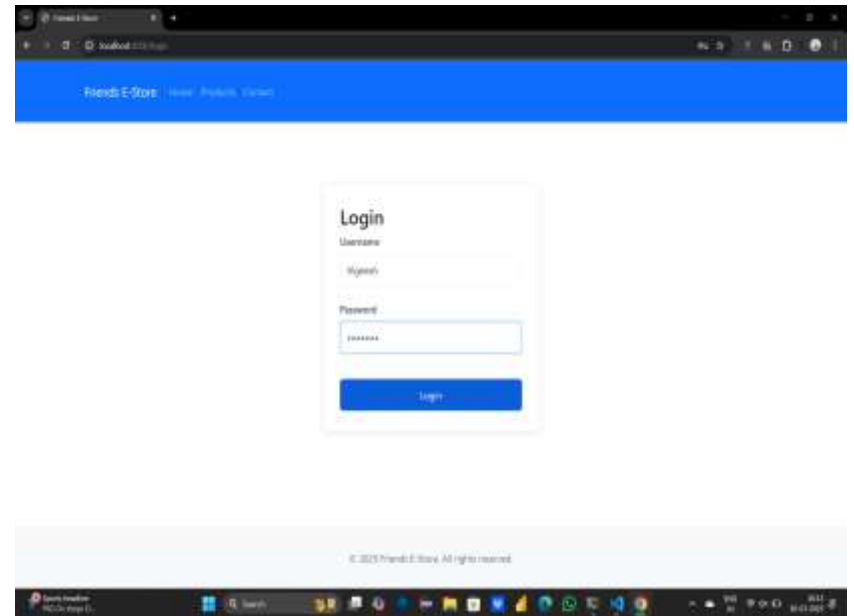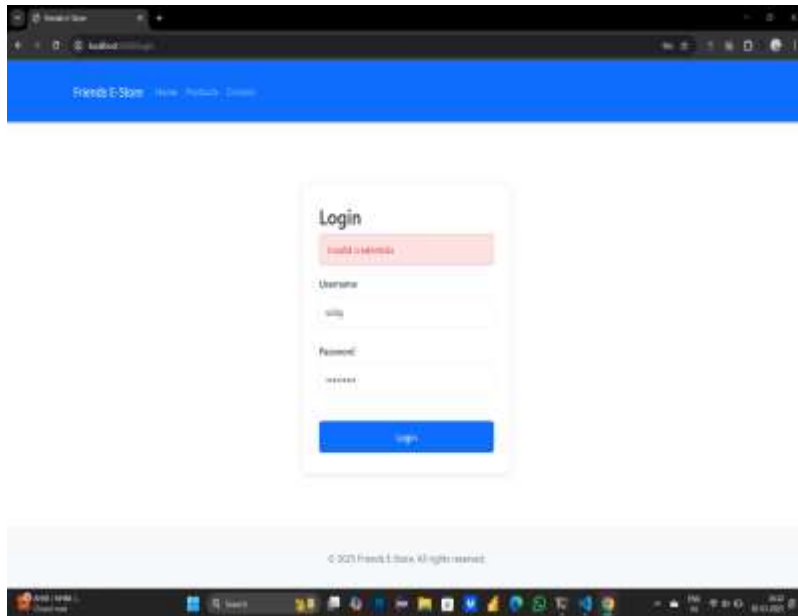- Start development server:
-   ng serve

Components Used

I created various components for various purposes

- Header
- Footer
- Home page
- Login page
- Login
- Products
- Product details

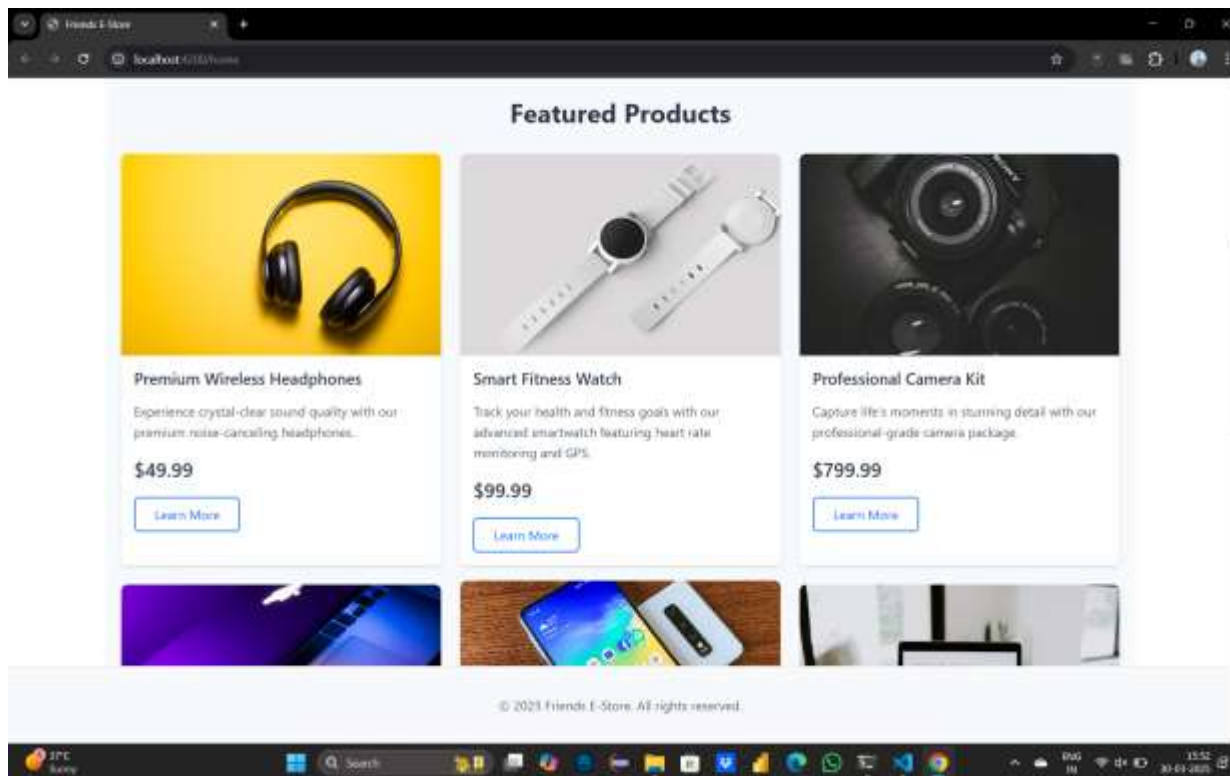|			
components	24-03-2025 20:10	File folder	
pages	24-03-2025 20:10	File folder	
pipes	24-03-2025 20:10	File folder	
services	24-03-2025 20:10	File folder	
app.component	24-03-2025 20:06	TS File	1 KB
app.routes	24-03-2025 20:06	TS File	2 KB

Login page

If we enter the wrong credentials we cannot move into the home page enter the right credentials to move on to the home page
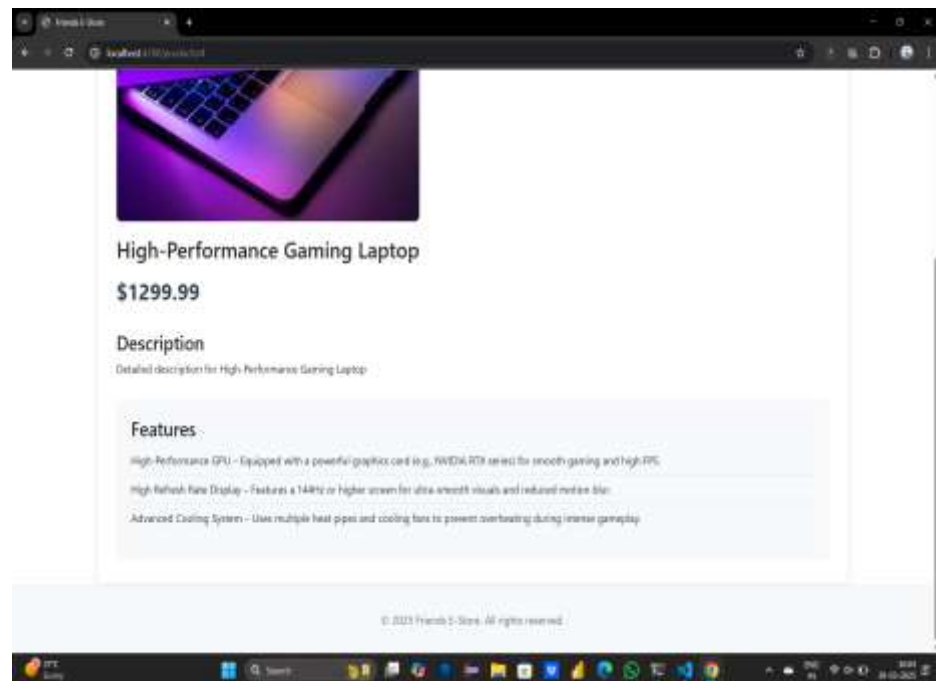
Home page

The home page consists of the products available on our store and u can click on the learn more option to get the key features of the products
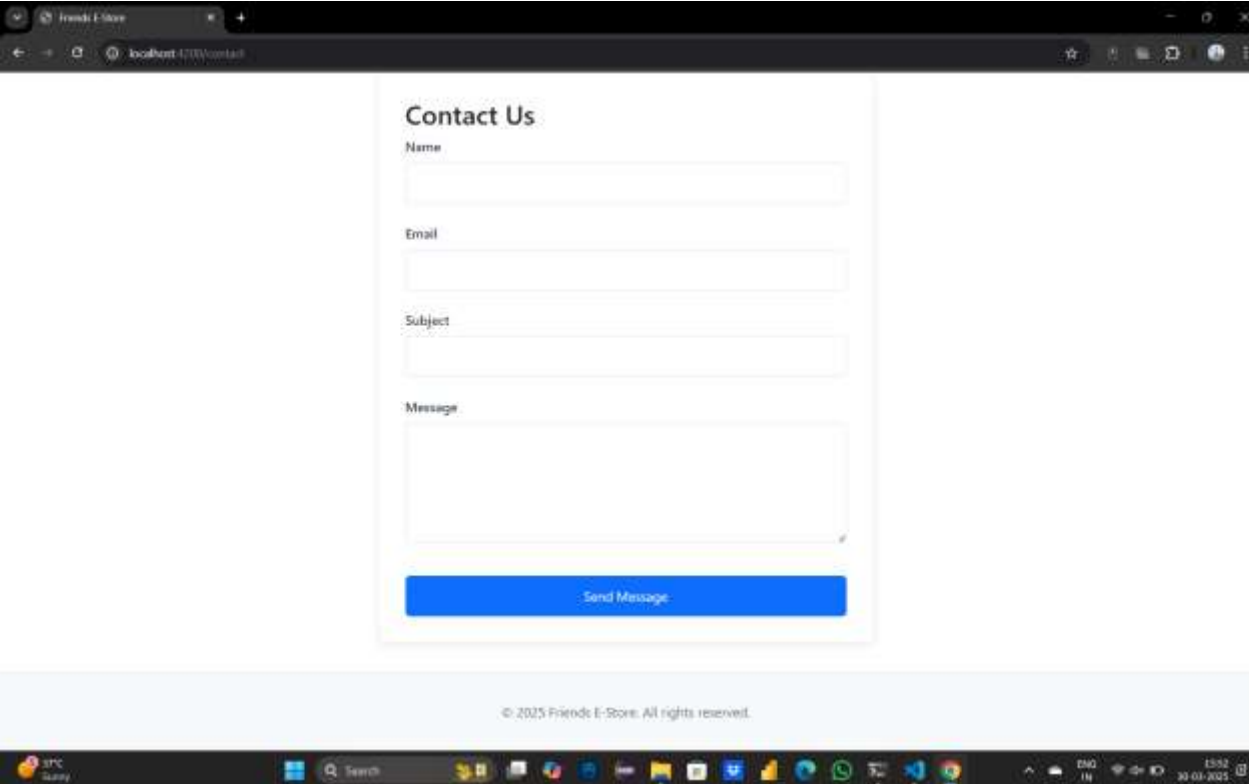
Product detail

This shows some of the key features of the products which the user can look onto before buying the product

Contact

This can be used by the user to contact us and give any feedback of the products they bought

Routing and Navigation

- Implemented with RouterModule in app-routing.module.ts

- Example Routes:
- - Home: ''
- - Products: 'products'
- - Checkout: 'checkout'
- - Product Detail: 'product/:id'

Conclusion

- Key Features Implemented:
- - Component-based architecture
- - Secure authentication
- - API integration

Thank You!