DEVELOPING WEBPAGES USING ANGULAR

VOLT & VISION

INTRODUCTION

Welcome to the presentation on "Volt & Vision", an innovative electronics gadget store. This project aims to enhance the experience of the users by providing the enhanced user experience and user's has to know more about the gadgets.

Presenter Details

Presenter : DHARUN N

PROBLEM STATEMENT

◆ **User Authentication & Authorization :** Implementing secure user login and signup using Firebase or a backend API.

◆ **Cart & Checkout Challenges :** Updating cart items dynamically and maintaining state across pages.

◆ **UI / UX Challenges :** Designing a user-friendly interface with intuitive navigation.

◆ **Product Management Challenges :** Fetching and displaying product details dynamically from the database. Categorizing products (Laptops, Gaming Accessories, Mobiles, etc.) efficiently.

PROJECT OVERVIEW

Volt & Vision is a cutting-edge, high-end **electronics gadget store** designed for tech enthusiasts, gamers, and professionals.

Key Features:

✅ **Exclusive Product Collection** – Explore the latest gadgets, gaming consoles, and high-performance electronics.

✅ **Smart Search & Filtering** – Find products easily with category-based filtering and search functionality.

✅ **User Authentication & Cart** – Secure login system with the ability to save favorite items for later.
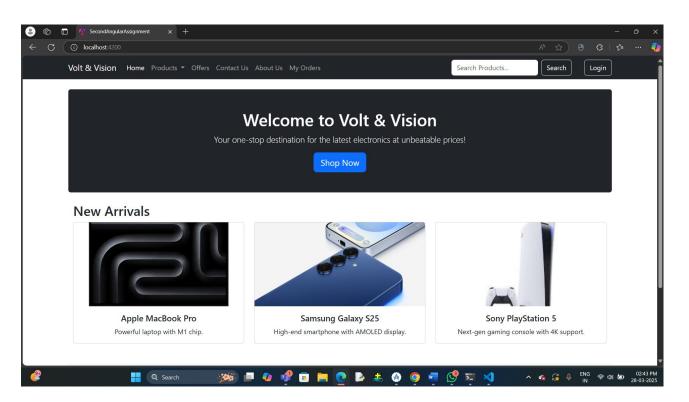
PROJECT FLOW

✔ **Home Page:** Featured products, offers, and trending gadgets.

✔ **Product Listings:** Categorized by **Laptops, Mobiles, Gaming, Accessories, etc.**

✔ **Product Details Page:** Includes images, specifications, reviews, and pricing.

✔ **Search Bar :** Users can search the required products by using search bar.

✔ **Cart System:** Add/remove items from the cart with a live total price update..

✔ **User Authentication:** Login/Signup with Firebase or backend authentication (JWT).

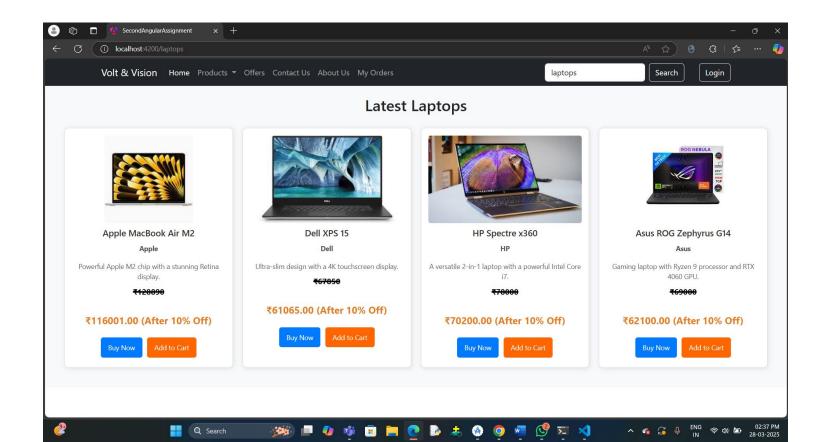✔ **MyOrders Page:** Displays past orders with real-time order tracking.

TECH STACK

◆ **Frontend :** Angular for a dynamic and responsive UI.

◆ **Backend :** JSON Server for easy data management.

◆ **Image Hosting :** Ngnix for fast image loading.

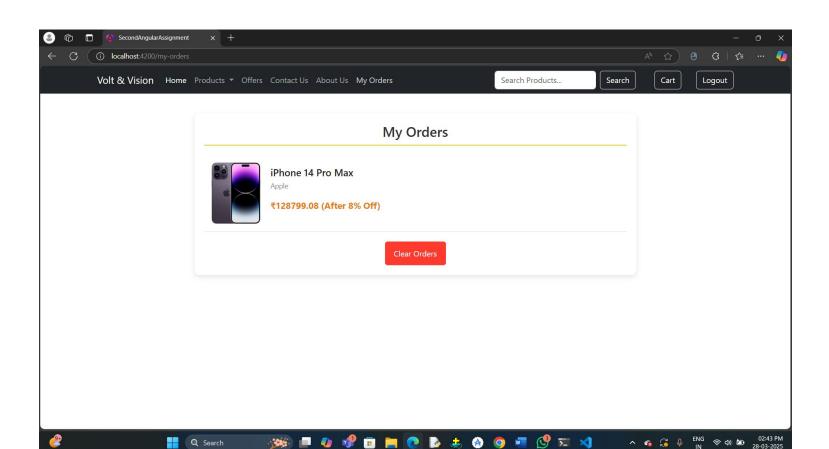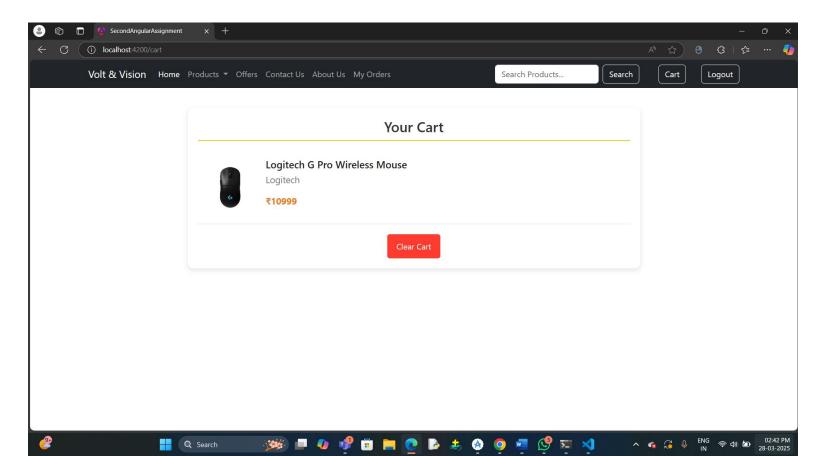◆ **Storage :** Local Storage for user preferences.

SCREENSHOTS

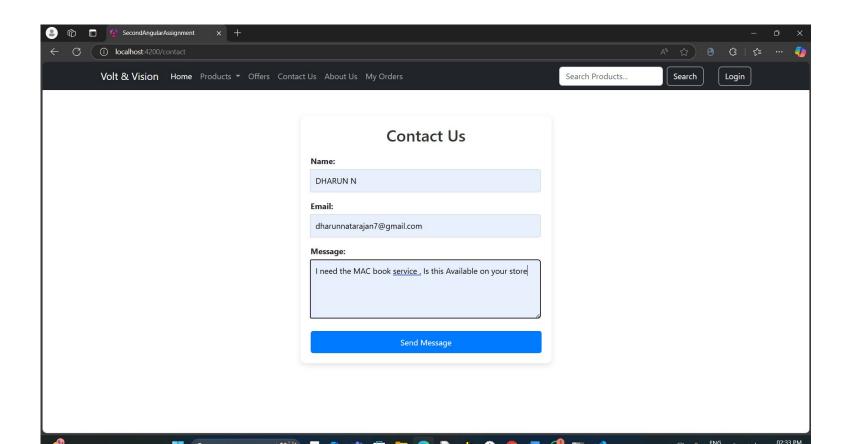## HOME PAGE

PRODUCT PAGE

MYORDERS PAGE

CART PAGE

CONTACT US PAGE

CONCLUSION

✅ **Seamless Shopping Experience** – Intuitive design, advanced search, and secure checkout for effortless gadget shopping.

✅ **Fast & Reliable Platform** – Optimized performance, real-time order tracking, and responsive design for all devices.

✅ **Future-Ready Innovation** – AI-powered recommendations, live support, and enhanced features for continuous improvement.