

Project Title: E-Commerce Website Development

Presented by: Ome Prakash

Domain: Web Development (Frontend + Backend)

Project Objective :

- The objective of this project is to build a fully functional and user-friendly E-Commerce website with both frontend and backend capabilities.
- The goal is to allow users to:
- Signup and login securely
- View products
- Manage their account
- And later, add items to cart and place orders

Work Completed So Far :

- ◆ Designed responsive UI using HTML and CSS
- ◆ Developed Signup, Login, and Account pages
- ◆ Successfully implemented localStorage for user data
- ◆ Dynamically showed/hid navigation buttons based on login state
- ◆ Connected navigation flow between pages

Technologies Used :

- **Frontend:**
- HTML5
- CSS3 (Animations, Transitions)
- JavaScript (DOM, LocalStorage)
- **Tools:**
- VS Code
- Live Server
- Browser DevTools
- **Backend (Upcoming):**
- Spring Boot (Java)
- MySQL Database
- REST APIs

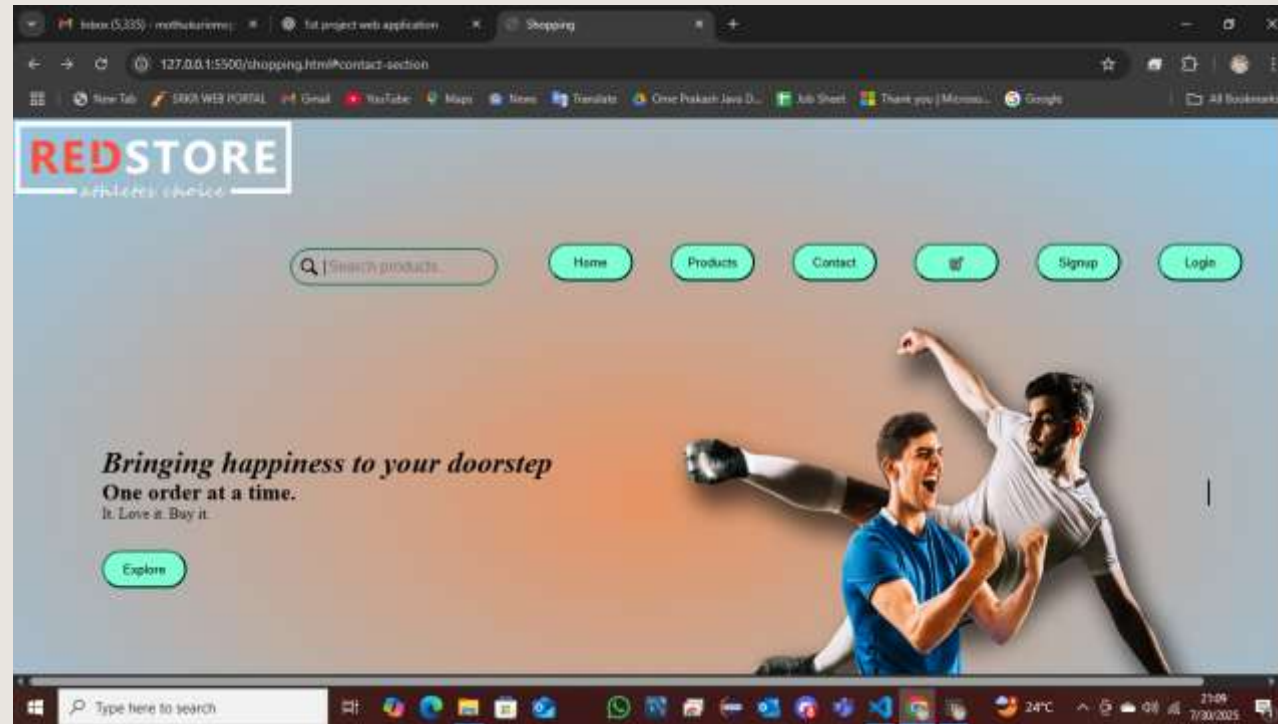
Implemented Pages :

- Each page is modular, with a dedicated CSS file.
For example, `signup.css` focuses on form layout and styling, while `login.css` handles animations and validation styles.
I've also included smooth animations and hover effects to improve the user experience.

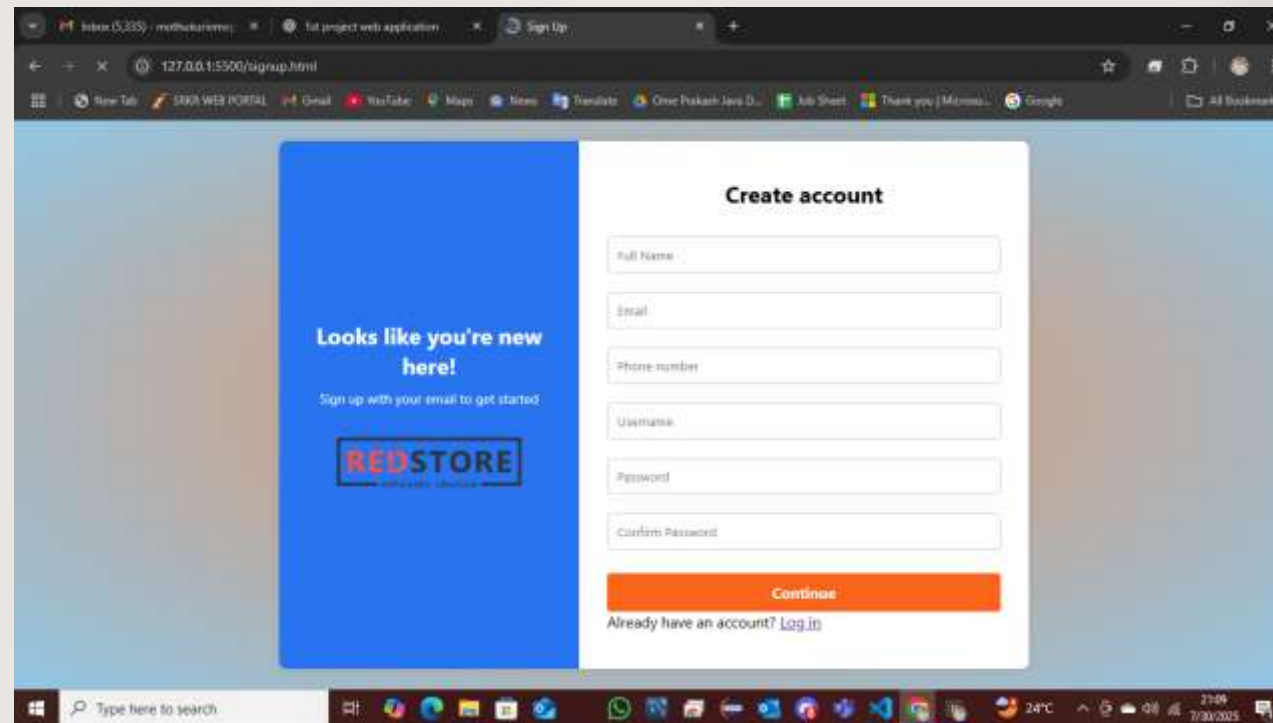
User Flow :

1. User clicks **Signup**
2. Fills the form and clicks **Continue**
3. Gets redirected to the **Login page**
4. After successful login, gets redirected to **shopping (home) page**
5. **Account** and **Logout** buttons become visible
6. Clicking **Account** opens account.html with user details
7. **Back to Home** redirects to shopping page
8. Clicking **Logout** clears session and shows login/signup buttons again

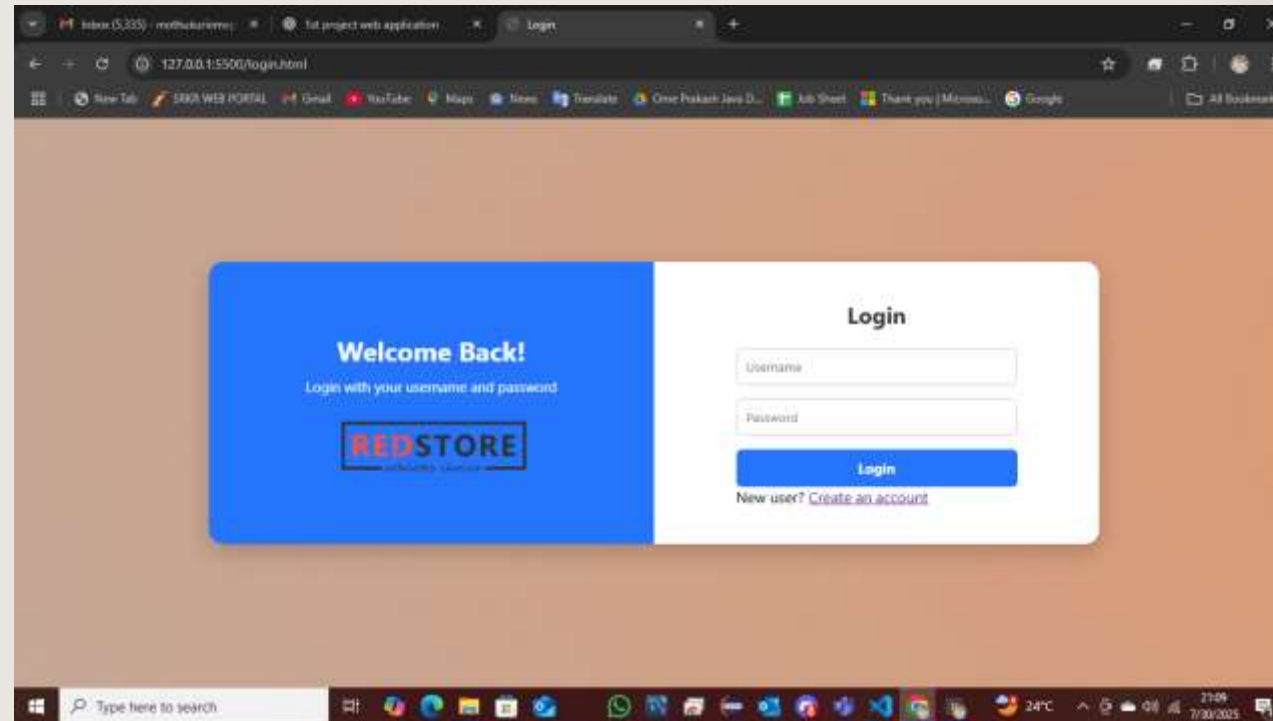
Current Output :



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Next Plan – Backend Integration :

- Build backend using **Spring Boot**
 - ✓ **Use MySQL** to store real user and product data
 - ✓ Add features:
- Add to cart
- Place orders
- Admin login to manage inventory
 - ✓ Secure login using sessions or JWT

Conclusion :

- So far, I have completed the **entire frontend with authentication system** using HTML, CSS, and JavaScript.
The next step is to begin the **backend development** and connect it with frontend via REST APIs.

Thank You

Thank you for your time!

I look forward to completing the full-stack development of this E-Commerce platform.

Presented by: Ome Prakash

Domain: Java Full Stack Developer