

HiLCoE

School of Computer Science and Technology

Web-Technology

Fresh-Cart Frontend

Section DRBSE2301

Group Members

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FreshCart App Overview & Documentation

Introduction

FreshCart is a web-based grocery delivery platform that connects users to nearby supermarkets that provide plant and animal-based products. The goal is to simplify grocery shopping by offering users a convenient and intuitive interface to browse, search, and purchase items online, while also allowing administrators to manage the platform effectively.

To try The App Use

- Admin : yasser@gmail.com and password :1234
- User : yaredmengiste01@gmail.com and password: 1234

What the App Does

- Delivers **animal and plant-based** grocery products directly to the user's location.
- Works with **supermarkets close to the user**, ensuring quick delivery and fresh produce.
- Offers a seamless shopping experience from **browsing to checkout**.

Technologies Used

- **Frontend:** React.js
- **Routing:** React Router
- **State Management:** React Context API
- **Backend (mocked):** `data.json` for local product and user data
- **Styling:** CSS Modules
- **Animation:** Intersection Observer
- **Icons:** Ionicons
- **Payment Integration:** Supports mock Telebirr and Chapa payment inputs

User Features

1. **Product Search:** Users can search products using the NavBar search input.

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2. **Add to Cart & Checkout:** Users can add products to their cart and proceed to checkout.
3. **User Authentication:** Login/logout and registration functionality with cookie storage.
4. **Profile Management:** Users can view and edit their profile information.
5. **Order Placement:** Users can confirm and place orders with delivery and payment details.
6. **Suggestions/Feedback:** "Contact Us" form allows users to send messages or suggestions.
7. **Persistent Cart & Login State:** Uses cookies to retain user sessions and cart items.
8. **Payment Options:** Users can pay with Telebirr (via number input) or simulated Chapa integration.

Admin Features

1. **Product Management:**
 - Add new products
 - Update existing products
 - Delete products
2. **User Management:**
 - View user list
 - Update user credentials (can be changed to password reset via email)
3. **Order Management:**
 - View all placed orders
 - Track order status
4. **Analytics & Feedback (planned):**
 - Access user suggestions or contact submissions
 - Generate summary reports (future feature)

Future Improvements

- **Real backend with database integration** (e.g., Spring)
- **Email-based password reset and verification**
- **Enhanced product filtering by price, category, popularity**
- **Push notifications or SMS for order updates**

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- **Supermarket-side dashboard** to manage their products and orders

Conclusion

FreshCart is a full-featured online grocery platform tailored to deliver locally sourced plant and animal products efficiently. It emphasizes ease of use, quick access to essentials, and admin control for streamlined management. With ongoing enhancements, i