

WEBX CA REPORT

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TITLE : Blinkit

PROJECT DESCRIPTION

The **Blinkit Clone** project is a **full-stack e-commerce** application developed using **Flask, MongoDB, React, and TypeScript**. It simulates an online grocery shopping platform similar to Blinkit, allowing users to browse products, add them to a cart, and manage their orders efficiently.

The backend is built using **Flask (Python)** to handle API requests and communicate with the database. **MongoDB** is used for storing product details, user information, and order data. The frontend is developed using **React with TypeScript**, ensuring a responsive and dynamic user interface.

TECHNOLOGIES USED

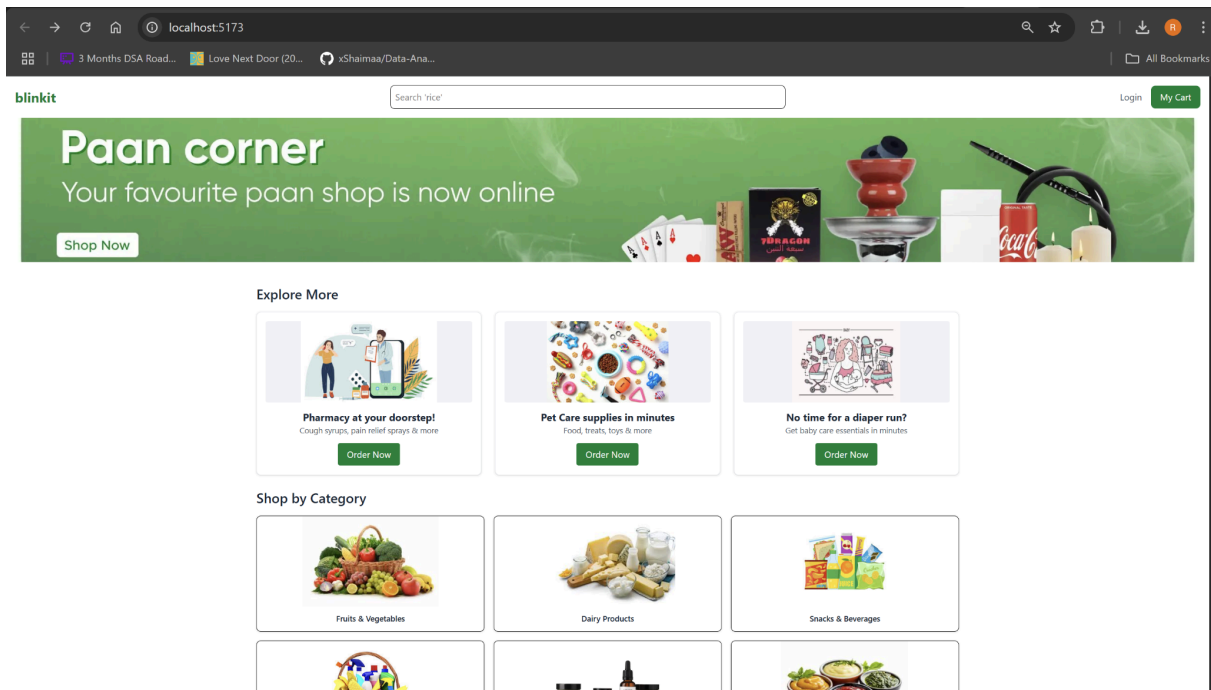
- Frontend: React, TypeScript, Tailwind CSS
- Backend: Flask (Python)
- Database: MongoDB (Atlas)
- Development Tools: VS Code, Postman, Git

FEATURES IMPLEMENTED

- Product Listing: Displays a variety of products dynamically from the database.
- Shopping Cart: Users can add, remove, and modify items in their cart.
- Responsive UI: Optimized for both desktop and mobile devices.

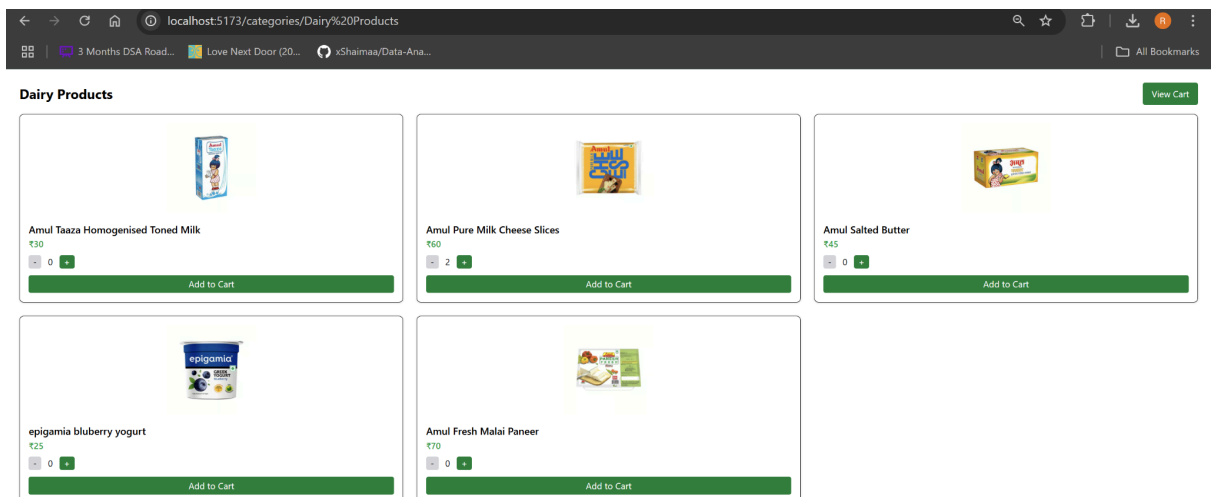
OUTPUT:

a)HomePage



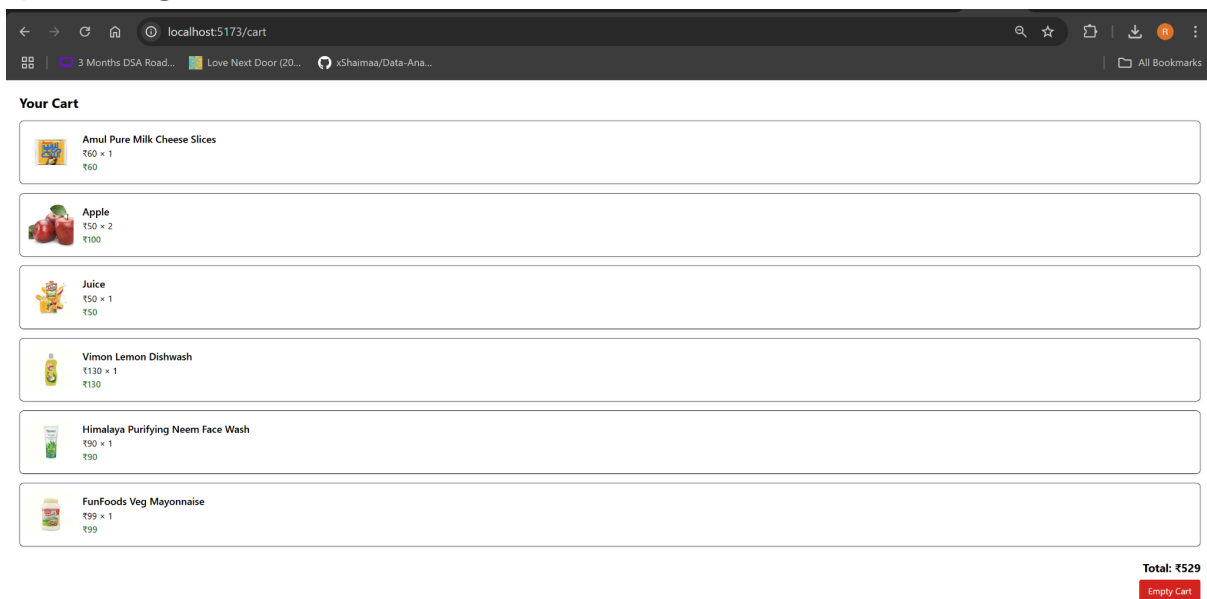
This is the Homepage of the application. It displays various categories and products you could explore as you shop.

b)Products Page



This is the products page. It displays all the products under a particular category. The user can browse for various products and add or remove items in his cart.

c)Cart Page



This is the Cart Page which displays all the items the user has added to his cart and the total amount that has to be paid by them. It also has an 'Empty Cart' option in case the user doesn't want to buy anything present in the cart.

CONCLUSION:

The Blinkit Clone project showcases the integration of React, TypeScript, Flask, and MongoDB to build a feature-rich e-commerce platform. It effectively implements core functionalities like product browsing, cart management, and order tracking. The project highlights expertise in frontend development (React + TypeScript), backend API handling (Flask), and database management (MongoDB), making it a valuable real-world application of full-stack development concepts.