



# K.R. MANGALAM UNIVERSITY

## THE COMPLETE WORLD OF EDUCATION

### Inventory Management System – Fizzy Crave

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# FIZZY CRAVE

INVENTORY MANAGEMENT  
SYSTEM





FIZZY  
CRAVE



Managing inventory efficiently is crucial for any product-based business. Fizzy Crave is a web-based Inventory Management System developed as a mini-project by our team to help streamline and simplify stock tracking for small-scale businesses, especially in the food and beverage industry. The system offers real-time updates, report generation, and a clean dashboard to manage all inventory operations digitally.



FIZZY CRAVE ALLOWS USERS TO EASILY  
BROWSE PRODUCTS BY CATEGORIES.  
EACH CATEGORY DISPLAYS RELEVANT  
PRODUCTS, AVAILABLE STOCK, AND A  
QUICK "ORDER NOW" OPTION

PRODUCT CATEGORIES AVAILABLE:

🥤 DRINKS 🍟 SNACKS 🥗 DIET FOOD  
🍰 DESSERTS 🧋 DAIRY PRODUCTS

## Key Features:

- Browse items by selecting category tabs
- Each product displays name, price, and available stock
- “Order Now” button for quick ordering
- Auto-update of inventory after order
- Responsive layout for smooth navigation on all devices

## PROBLEM STATEMENT

MOST SMALL-SCALE BUSINESSES LIKE FIZZY CRAVE MANAGE THEIR STOCK MANUALLY, WHICH OFTEN LEADS TO STOCKOUTS, OVERSTOCKING, AND WASTAGE. WITHOUT A DIGITAL SYSTEM, TRACKING USAGE PATTERNS OR GENERATING REPORTS IS CUMBERSOME. THERE IS A NEED FOR A SIMPLE, EFFECTIVE, AND AFFORDABLE SOLUTION.



# SYSTEM ARCHITECTURE

## TECHNOLOGIES USED:

- FRONTEND: HTML, CSS, JAVASCRIPT
- BACKEND: NODE.JS
- DATABASE: MONGODB
- HOSTING: RENDER.COM



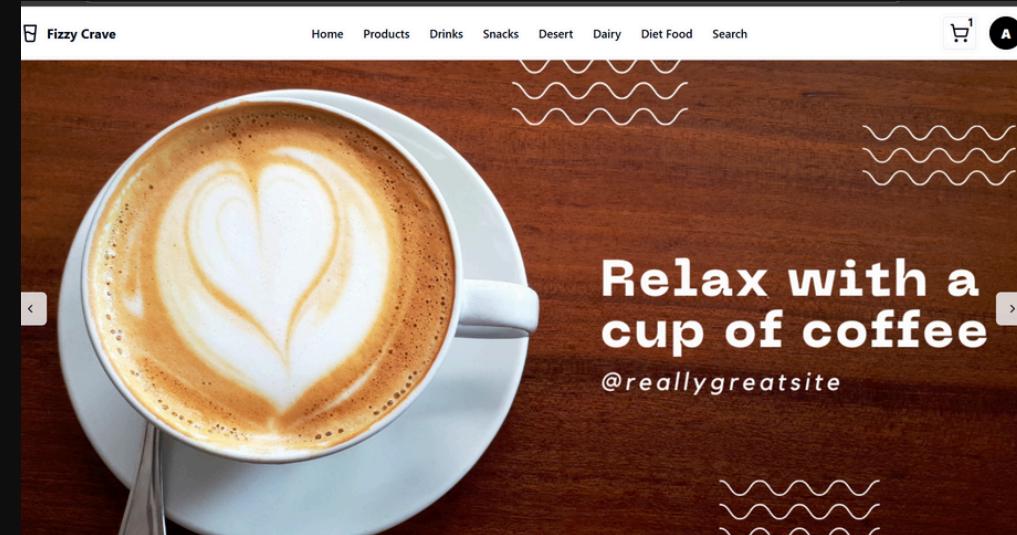
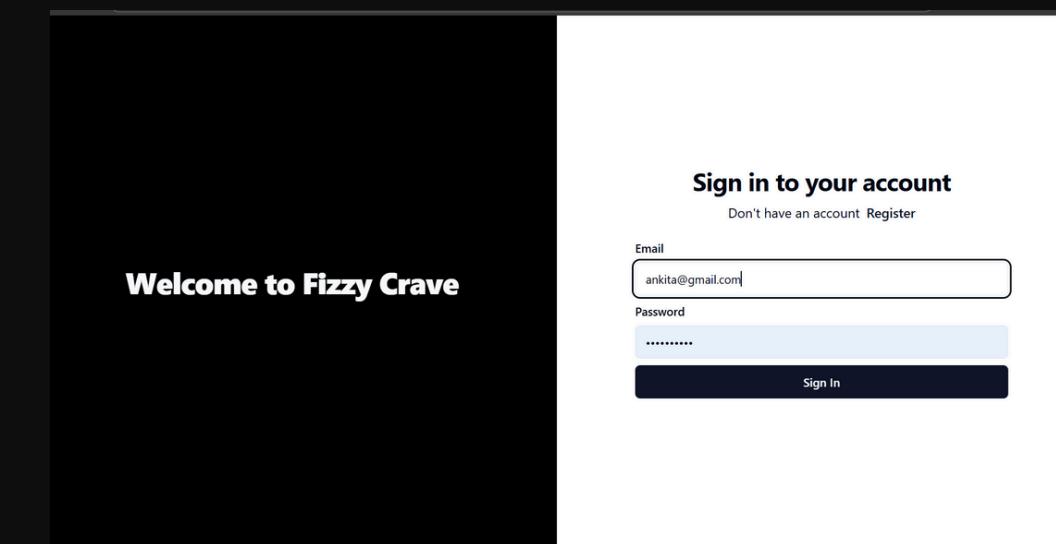
# FEATURES OF THE SYSTEM

- Add/Edit/Delete inventory items
- Real-time stock monitoring
- Auto-alerts when stock is low
- User authentication
- Inventory reports generation



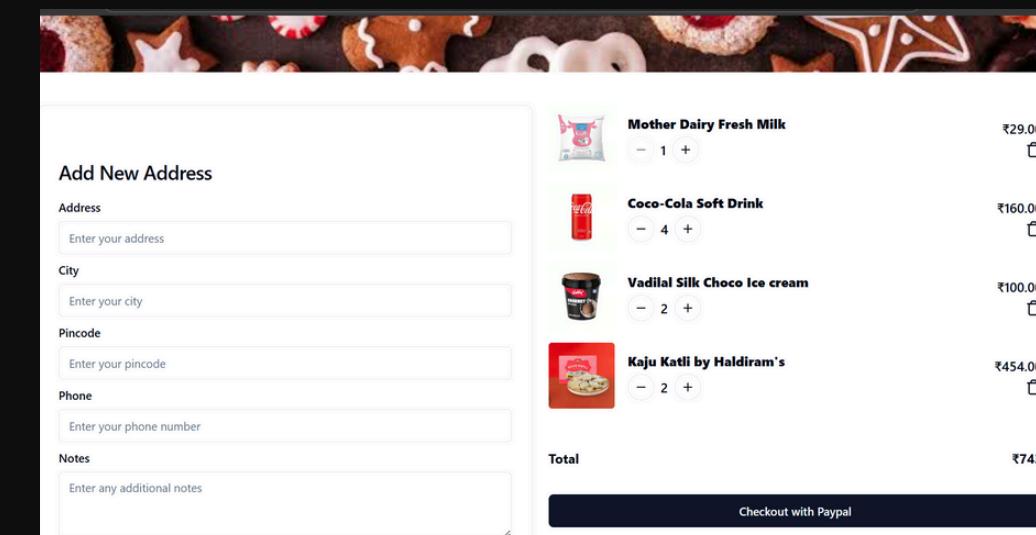
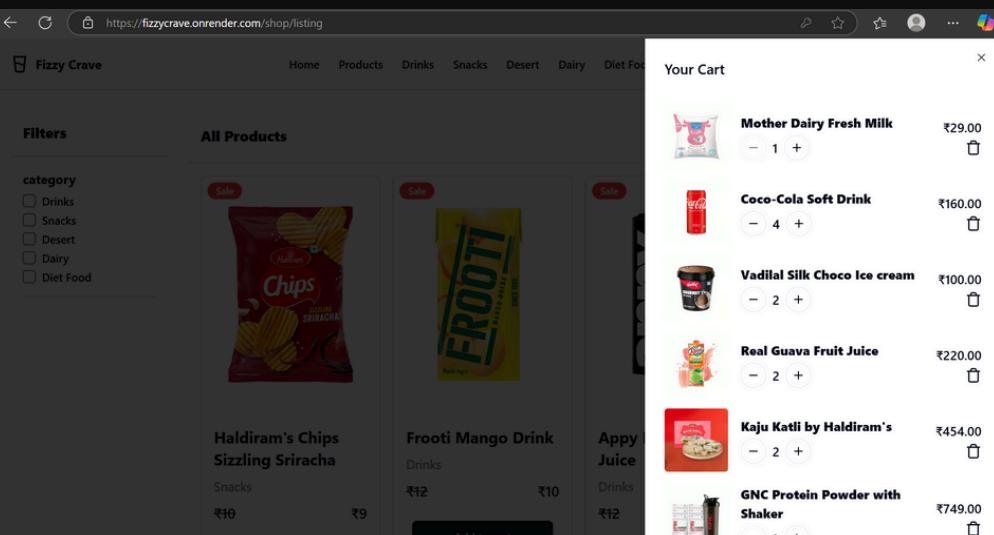
# DEMO

Users start by registering or logging into the system. They can then browse products by categories like Drinks, Snacks, Diet Food, Desserts, and Dairy. After adding items to the cart, they review their order and proceed to checkout. Payment is completed securely via PayPal, and the inventory updates automatically after a successful transaction.



## USER REGISTRATION / LOGIN BROWSE PRODUCTS BY CATEGORY

- New users create an account using basic details (name, email, password).
- Existing users can log in securely to access the system



## ADD ITEMS TO CART

Users select products, view details (price, quantity in stock), and click "Add to Cart".

## PROCEED TO CHECKOUT

On clicking "Checkout", the system summarizes the order and redirects the user to the payment gateway.

# FUTURE SCOPE



In future, the system can be enhanced with features like barcode scanning, mobile app integration, supplier management, and AI-based stock forecasting. This would help make inventory handling more intelligent and adaptive to business growth.





FIZZY CRAVE

# THANK YOU



fizzycrave.onrender.com