Smart shopping cart with Auto-Save and Recommentation for (JJ Departmental store)

AUTHOR: Mrs. C. MERCY PRABA, M.C.A., M.Phil.

ASSISTANT PROFESSOR

DEPARTMENT OF COMMERCE WITH COMPUTER APPLICATIONS

Dr. N.G.P ARTS AND SCIENCE COLLEGE, COIMBATORE-48

CO-AUTHOR: J.JERSHIKA

DEPARTMENT OF COMMERCE WITH COMPUTER APPLICATIONS

Dr. N.G.P ARTS AND SCIENCE COLLEGE, COIMBATORE-48

ABSTRACT

In today's dynamic business landscape, promptly addressing customer needs is crucial. Consumers now expect businesses to have an online presence with easy access to their products and services.

An Online Grocery Store is an e-commerce platform that offers a wide range of grocery items for purchase. This project enables users to browse available products and make instant purchases using Paytm, UPI (Instant Pay), or opt for the Cash on Delivery (Pay Later) method.

Keywords: Online Grocery Shopping, Digital Supermarket, E-Commerce Grocery Store

1.2 OVERVIEW OF THE PROJECT

This system requires a dedicated database to manage and store product details efficiently. The database, which can be an RDBMS or a cloud-based service like Firebase, supports server-side operations. The server handles customer information and processes orders, ensuring timely delivery to the specified addresses. The primary goal of an online grocery store is to provide high-quality grocery items conveniently delivered to customers' doorsteps at competitive prices. The application consists of two key modules: one for customers to browse and purchase products, and another for store owners to manage inventory, update product details, and oversee customer information. The website is designed for everyday consumers, offering a seamless shopping experience, while the admin is responsible for maintaining and managing the database.

SYSTEM REQUIREMENTS

2.1 INTRODUCTION

E-commerce is rapidly becoming a widely accepted business model, with an increasing number of companies establishing online platforms to facilitate commercial transactions. Online shopping has now become a common practice, transforming the way people purchase goods and services. The goal of this project is to create a versatile e-commerce platform where customers can conveniently purchase grocery items from their homes via the Internet. For demonstration purposes, this project will focus specifically on an online grocery shopping system. An Online Grocery Store serves as a digital marketplace where customers can explore a product catalog and add desired items to their shopping cart. During checkout, the selected products are compiled into an order. To finalize the purchase, customers must provide essential details such as billing and shipping addresses, preferred delivery method, and payment details, including debit/credit card information or UPI transactions. Once the order is successfully placed, an email confirmation is sent to the customer.

2.2 HARDWARE SPECIFICATION

Processor   : Intel Duel core
RAM   : 4 GB
Hard Disk Drive   : 100 GB
   Reliable internet connection with high bandwidth.
    User devices such as desktops, laptops, and smartphones.

2.3 SOFTWARE SPECIFICATION

   Front-End Technologies: HTML, CSS, JavaScript.
    Back-End Technologies: Php
     Database: MySql

SYSTEM STUDY

3.1 EXISTING SYSTEM:

A grocery website is a digital platform that enables customers to explore, select, and purchase a variety of grocery products from the convenience of their homes. It typically categorizes products into sections such as fresh produce, dairy, beverages, and household essentials. Users can browse product details, add items to their cart, and securely complete their purchases at checkout. A well-structured grocery website includes essential features such as search functionality, user authentication, order tracking, and special promotions. It enhances the shopping experience by offering home delivery or in-store pickup options. Building such a platform requires the integration of frontend technologies like HTML, CSS, and JavaScript with a backend system, often powered by PHP, to handle databases, user accounts, and order management.

DRAWBACKS OF EXISTING SYSTEM

☐ The website may face slow loading speeds during high-traffic periods, impacting user experience.

☐ Customer inquiries might take longer to receive responses during peak hours.

☐ The return and refund process can be complex and time-consuming for users.

☐ Limited or no real-time order tracking, reducing convenience for customers.

☐ High-demand products may frequently go out of stock without prompt updates.

☐ Delivery charges can be costly for smaller orders, discouraging budget-conscious shoppers

3.2 PROPOSED SYSTEM

Groceries are an essential part of daily life for everyone, whether they are college students, working professionals living away from home, or local residents in a city or town. If given a choice, most people would prefer to shop for groceries from the comfort of their homes rather than spending time searching for stores with quality products. This project aims to develop an Online Grocery Store that ensures high-quality grocery items are delivered to customers' doorsteps within a specified timeframe. The platform is designed to provide convenience, save time, and enhance the overall shopping experience.

ADVANTAGE OF PROPOSED SYSTEM

1.2 Quick and Accurate Product Information

The website provides clear and detailed descriptions of grocery items, including ingredients, weight, and pricing, ensuring customers make informed purchases**.**

2. Faster Delivery & 24-Hour Fresh Produce Service

Groceries, especially perishable items like fruits and vegetables, are delivered within 24 hours or less for maximum freshness**.**

3. Exciting Discounts and Special Offers

Customers can enjoy exclusive deals, discounts, and occasional free gifts with their purchases.

4. Multiple Payment Options

A variety of payment methods are available, including credit/debit cards, online wallets, and cash on delivery, offering flexibility and convenience.

5. Click & Collect Option

Customers can choose to pick up their orders from a nearby store instead of opting for home delivery.

6. Enhanced Customer Support with Real-Time Order Updates

Users receive live notifications on their order status, from confirmation to dispatch and delivery.

7. Customer Review and Rating System

Buyers can share feedback, rate products, and help other customers make informed decisions.

8. Social Media Integration

Shoppers can share their favorite products or ongoing deals on platforms like Facebook and Instagram, spreading the word about great offers.

9. Expiry Date Alerts

The system tracks perishable items and notifies customers when products are approaching their expiration date, helping reduce waste.

3.3 FEATURES INCLUDED:

1. Registration

2. Login

3. Add Event Details

4. Update/Delete Event Details

5. View/Search Event Details

6. Logout

3.4 MODULES

Customer module

Product catalog module

Shopping cart module

Payment module

CONCLUSION:

JJ Departmental Stores has established itself as a prominent retail hub, catering to the varied needs of its customers with a diverse selection of products. Committed to quality, affordability, and customer satisfaction, the store has built a strong reputation by delivering a seamless shopping experience across both in-store and online platforms. With an efficient management system in place, the store ensures precise inventory tracking, smooth order fulfillment, and secure payment processing, reinforcing customer trust and reliability. By prioritizing customer needs, JJ Departmental Stores continues to expand its offerings while upholding high service standards.

REFERENCE:

https://www.nrf.com/

https://www.statista.com/

https://www.mckinsey.com/

https://www.jjdeptstores.com/