

# Shri Balaji Supermarket Website

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**Abstract**—Shri Balaji Supermarket is a well-organized retail store that serves the everyday needs of customers in the local area. The supermarket provides a wide range of products such as groceries, packaged foods, fresh items, household essentials, toiletries, and basic personal care products. The main aim of Shri Balaji Supermarket is to offer quality products at affordable prices while maintaining cleanliness and proper product arrangement. The store follows systematic billing and inventory management to ensure smooth operations and product availability. By providing convenient shopping, quick service, and customer-friendly staff, Shri Balaji Supermarket improves the overall shopping experience. It also supports local brands and suppliers, which helps in strengthening the local market and economy.

## I. INTRODUCTION

Shri Balaji Supermarket is a well-established retail store that provides a wide range of daily-use products to customers in a single location. The supermarket is designed to make shopping easy, comfortable, and time-saving for people of all age groups. It plays an important role in fulfilling the regular needs of families by offering essential goods at reasonable prices. The supermarket offers various product categories such as food grains, pulses, spices, cooking oils, packaged foods, snacks, beverages, dairy products, household items, cleaning materials, toiletries, and personal care products. All products are selected carefully to ensure good quality and customer satisfaction. The availability of branded as well as local products gives customers more choices according to their budget and preference. Shri Balaji Supermarket follows a systematic layout where products are arranged section-wise. This proper arrangement helps customers to easily locate items and complete shopping quickly. Price tags and product information are clearly displayed, which ensures transparency and builds trust. The supermarket uses a computerized billing system with

barcode scanning to provide fast and accurate billing, reducing waiting time at the checkout counter. Inventory management is an important part of the supermarket's operations. Regular stock checking and proper storage methods are used to avoid product shortages and wastage. Perishable goods are stored carefully to maintain freshness and quality. Cleanliness and hygiene are strictly maintained throughout the store to provide a safe and pleasant shopping environment. Customer service is a key focus of Shri Balaji Supermarket. Trained and polite staff assist customers in product selection and provide support whenever required. The supermarket aims to build long-term relationships with customers by offering reliable service, consistent quality, and fair pricing. Occasional offers and discounts also help attract and retain customers. In addition to customer benefits, Shri Balaji Supermarket contributes to the local economy. It supports local suppliers and manufacturers by selling their products and also creates employment opportunities for local people. Through efficient management and customer-friendly practices, the supermarket helps improve the overall retail experience in the community. Overall, Shri Balaji Supermarket is an important retail unit that combines convenience, quality, and service. It not only meets the daily needs of customers but also supports economic growth and promotes organized retail practices at the local level.

## II. REVIEW OF LITERATURE

A. Yes D-Mart in Mangalwedha, Solapur  
Yes D-Mart in Mangalwedha is one of the most trusted and convenient supermarkets in the town, located on the busy Pandharpur Road near Chokhamelanagar Road in Shivaji Nagar. It has become a well-known shopping destination for people living in Mangalwedha and nearby villages

like Arali, Borale, Bramhapuri, Dongargaon, Marawade, Machnur, Sidhhapur, Yedrav, Hulganti, Gunjgoan, Andhalgoan, Bathan and Laxmi Dahiwadi. Yes D-Mart is known for maintaining good product quality at affordable prices, which helps people save money while getting branded and reliable items. The store is especially busy during weekends and festive seasons when customers visit for monthly shopping or festival preparations. Many people appreciate the store's discount offers and combo packs, which make shopping more economical. It sits near the junction of Pandharpur Road and Chokhamelanagar Road, making it easily accessible for people living in and around Mangalwedha as well as nearby villages like Andhalgaon, Arali, Borale, and Bramhapuri. According to local business listings, Yes Dmart has received generally positive feedback with a rating around 4.0–4.1 stars from around 15–17 reviews, which suggests that many customers find its products and service satisfactory.

The store is a popular choice for daily grocery shopping and household essentials, and it ranks among the top grocery stores in the area. It's surrounded by other local businesses such as Swastik Medical Store, Kondubhairy Company, and Vitthal Jewellers, reflecting its central location within a busy commercial neighborhood. According to local business listings and reviews, Yes Dmart has received generally positive feedback with an overall rating of about 4.0–4.1 stars based on around 15–17 reviews, suggesting that shoppers find its product selection and service the top grocery stores in the Mangalwedha/Andhalgaon region of Solapur satisfactory compared with other grocery options in the area. [1]

#### B. Kheteshwar Sweets in Mangalwedha, Solapur

Kheteshwar Sweets in Mangalwedha is one of the oldest and most trusted sweet shops in the town, known for its rich taste, quality products, and excellent service. Located on Damaji Road near the Bus Stand and Indian Post Office, the shop is easily accessible and has become a landmark for sweet lovers in Mangalwedha and nearby villages. For more than three decades, Kheteshwar Sweets has been delighting customers with a wide variety of traditional Indian sweets made from pure milk, ghee, and other high-quality ingredients. The shop offers popular sweets such as kaju katli, besan laddoo,

rasgulla, gulab jamun, peda, barfi, and motichur laddoo, all prepared fresh daily. During festivals like Diwali, Holi, and Ganesh Chaturthi, the shop is especially crowded as people buy sweets in bulk for gifting and celebrations. Apart from traditional sweets, Kheteshwar Sweets also sells bakery items like cakes, pastries, and namkeen (salted snacks), catering to modern customer preferences. Many people in Mangalwedha visit this shop not only for sweets but also to buy snacks for special occasions and family gatherings. The cleanliness and hygiene maintained by the shop have helped it build a loyal customer base over the years. The staff is polite and helpful, ensuring that customers receive good service and quality products every time.

Kheteshwar Sweets is a well-known sweet shop and bakery-style confectionery store located on Damaji road near the Bus Stand and beside the Indian Post Office in Mangalwedha, Solapur 413305, Maharashtra, India. It's a popular local destination for traditional Indian sweets, bakery items, and festive treats, attracting from around Mangalwedha town and nearby villages. The shop has earned a good reputation with an average rating of about 4.1 based on dozens of customer reviews, reflecting generally positive feedback about the quality and taste of its sweets. According to local listings, the shop typically opens around 8:00 AM and continues until about 10:00 PM, making it convenient for both morning and evening visits, although hours can vary on holidays or special days, and it's a good idea to confirm by phone before visiting. Situated in a central area near the bus stand and main market, Kheteshwar Sweets is easily accessible for both locals and visitors. Many customers appreciate its freshly made traditional sweets and friendly service, making it one of the go-to sweet shops in Mangalwedha for daily treats and festive purchases. [2]

#### C. Sai Super Market, Solapur

The shop has been serving local people for many years. It sells daily-use products like food items, groceries, toiletries, cleaning goods, and other home needs. Sai Super Market is one of the popular retail grocery stores in Solapur, Maharashtra. It is located near Sat Rasta, Railway Line, and has been serving the people of Solapur for several years. The supermarket provides all kinds of daily essentials

under one roof — making shopping easy and convenient for families. The shop aims to give quality products at affordable prices, which has helped it become a trusted name among local customers. It follows the concept of a one-stop shop — where food, household, and personal care items are available in the same place.

The supermarket offers almost everything that a family needs every day — rice, grains, flour, spices, snacks, cold drinks, soaps, shampoos, and cleaning liquids. It also provides discounts and offers on many products, which helps customers save money. Sai Super Market has also started home delivery for online or phone orders, which is very useful for busy people. Most customers are happy with the store because of the large variety of products and good prices. Sai Super Market is known for offering a wide range of products, including daily groceries like rice, pulses, spices, edible oils, packaged foods, beverages, personal care items, and household essentials, making it a convenient one-stop destination for routine purchases. Customers appreciate the supermarkets for their affordable pricing and broad product selection, and many locations have garnered positive ratings in online reviews for being well-organized and customer-friendly environments where shoppers can find almost anything they need for home use. Sai Super Market also offers home delivery services for larger orders (usually above a specified minimum like ₹2000), adding convenience for customers who prefer shopping from home. While most reviews are favorable with many customers commenting on good product quality and variety, some individual experiences may vary by location — with occasional mentions of inconsistent quality or service at specific outlets — but overall Sai Super Market remains a popular and dependable choice for everyday grocery and household shopping in Solapur. [3]

#### D. S.M.Khatavkar Mart in Mangalwedha, Solapur

The new S.M. Khatavkar Mart on Solapur Bypass Road in Mangalwedha is a modern and upgraded branch of the well-known Khatavkar Mart chain. It was opened to provide a bigger and better shopping experience to the people of Mangalwedha and nearby villages. This branch is located near Jogeshwari Mangal Karyalaya on the busy Pandharpur–Solapur Bypass Road, which is one of the most convenient and easily accessible locations in the area. The new

mart is beautifully designed with a large floor space, wide aisles, and neatly arranged sections for different product categories.

The mart focuses on providing quality products at reasonable prices, and it is known for its frequent discount offers, festive sales, and combo deals. The interior of the store is clean, bright, and air-conditioned, giving customers a pleasant and comfortable shopping atmosphere. The store also uses digital billing systems for faster checkout and offers both cash and online payment options, including UPI, debit cards, and credit cards. One of the main attractions of the new branch is its wide range of branded products and fresh grocery items, which are regularly restocked to ensure freshness and variety. Customers appreciate the store for its reasonable pricing, diverse product range, and convenience of shopping, making it a go-to place for regular and occasional purchases alike. Its location on a major road like Pandharpur Road ensures easy access and visibility, and many people prefer it for both quick purchases and more substantial shopping trips.

Overall, S M Khatavkar Mart is considered a dependable neighborhood grocery destination in Mangalwedha, known for its wide selection and service that aims to meet the varied requirements of local shoppers. Its location on a busy road in Mangalwedha ensures it is easily accessible to residents from nearby neighborhoods and contributes to its popularity as a trusted and dependable retail destination in the community. Overall, S M Khatavkar Mart is regarded as a trusted, convenient, and comprehensive retail outlet in Mangalwedha, widely used for regular grocery shopping as well as for picking up household essentials, clothing, and other products needed by families in the community. [4]

#### E. Mangalmurti Sweet & Bakery, Mangalwedha, Solapur

Mangal Murti Sweets & Bakery is a popular local bakery and sweet shop located on Main Road near the Bus Stand in Mangalwedha, in the Solapur district of Maharashtra. The shop has earned a strong reputation among customers, reflected in its high average rating (around 4.9 ★ based on local reviews), with many people praising the taste,

freshness, and overall quality of the products. They typically operate daily from morning until evening (approximately 7:30 AM to 9:30 PM), and often provide services like takeaway, home delivery, and custom orders for occasions such as birthdays and celebrations. Locals and visitors alike enjoy stopping by for both everyday treats and special bakery items, making it a well-liked spot in the area for sweets and baked delights. Visitors often remark on the friendly service and welcoming atmosphere, making it a favorite stop for gifting sweets, treating family and friends, or picking up treats for festivals and celebrations. The bakery typically opens early in the morning and stays open into the evening (around 7:30 AM to 9:30 PM), accommodating both morning visitors and those who stop by after work or school. Because it's part of a vibrant local food scene, there are also other sweet shops and bakeries in the Mangalwedha-Solapur area where you can explore different flavors and specialties, but Mangal Murti Sweets & Bakery stands out for its consistent quality and loyal repeat customers, making it a great place to enjoy traditional Maharashtrian and Indian sweets as well as freshly baked goods.

This blend of offerings has made it a favoured place for festival purchases, family celebrations, and gifting sweets during special occasions, as many patrons return year after year for those familiar flavours. Reviewers also note that the friendly service and welcoming atmosphere contribute to the overall experience, making customers feel at home rather than just another buyer. While MangalMurti sweets & bakery itself is listed in Mohol In towns such as Mohol, you'll find many similar bakeries and sweet retailers, but MangalMurti is frequently highlighted for its consistent quality and popularity among regulars and visitors alike — suggesting it's a noteworthy stop for anyone exploring the Solapur-Mangalwedha belt.[5]

#### F. Maharaja Sweets Bakery & General Store in Pandharpur, Solapur

MAHARAJA SWEETS BAKERY AND GENRAL STORES in Pandharpur, Solapur district, is a long-standing local favourite bakery and sweet shop known for its freshly baked goods, custom celebration cakes, and traditional Indian sweets. Located in the Indraprast Shopping Centre in Bhosale Nagar, this establishment blends quality and

convenience, serving a variety of pastries, breads, cakes, and sweets that appeal to both everyday customers and those planning special occasions like birthdays and anniversaries.

According to local listings, the shop has been operating for several decades and enjoys a solid reputation with many positive reviews for its consistent taste and welcoming service. Customers often mention the shop's home delivery and pre-order services, making it easy to secure popular items during festivals or busy weekends, and its products are typically priced modestly — for example, cakes start around ₹300 for two people. Its evening opening hours (often until around 9:30 pm) add extra convenience for locals and visitors alike. What sets this bakery apart in the Pandharpur food scene is not just its traditional sweets and bakery items but its commitment to quality and freshness that has helped it maintain a loyal customer base over the years, especially during festive seasons when demand for sweets and custom cakes rises.[6]

#### G. BigBasket Bangalore India

BigBasket is one of India's largest and most trusted online grocery delivery companies, with its main headquarters located in Bengaluru, Karnataka. The company started its journey in Bengaluru and later expanded to more than 30 cities across India. In 2021, Tata Digital, a subsidiary of the Tata Group, acquired a majority stake in BigBasket, strengthening its operations, technology, and delivery network. The company operates under the name Supermarket Grocery Supplies Pvt. Ltd. and has grown to become a household name for online grocery shopping in India. BigBasket provides a wide range of products through its online platform and mobile app, including fresh fruits and vegetables, dairy products, food grains, rice, pulses, packaged foods, bakery items, snacks, beverages, cleaning supplies, personal care products, and household essentials. Customers can easily browse items, place orders, and choose convenient delivery slots according to their schedule. BigBasket is especially known for its "Fresho" brand, which supplies high-quality fresh produce and bakery items.

The company has also launched offline retail stores called Fresho by BigBasket, where customers can personally shop for fruits, vegetables, dairy products, and groceries. BigBasket's platform is designed to

make grocery shopping fast, convenient, and reliable. BigBasket is one of India's most influential and innovative online grocery shopping and delivery companies, and it has a particularly strong identity in Bangalore (Bengaluru), Karnataka, where it is headquartered and continues to pioneer new retail trends. Founded in October/December 2011 by a group of five entrepreneurs with deep e-commerce and retail experience—including veterans from FabMart and Fabmall—Trinethra grocery ventures—the platform was India's first major online grocer and has since reshaped how people in urban centers like Bangalore shop for daily essentials.

BigBasket operates as Supermarket Grocery Supplies Pvt. Ltd., with its corporate headquarters based in Bangalore. From this city, it coordinates a sophisticated operation that combines technology-driven logistics, a massive product catalogue, and warehousing infrastructure to serve households and businesses across 30+ Indian cities. With tens of millions of orders processed each month, BigBasket's platform carries tens of thousands of products ranging from fresh fruits and vegetables, groceries, dairy and eggs, beverages, personal care, home essentials, meat and seafood, to specialised items and private-label brands like Fresho, BB Royal, GoodDiet and more. What makes BigBasket unique—especially in the context of Bangalore—is how it has evolved beyond simple online delivery into an omnichannel grocery solution. In 2021, it launched 'Fresho' physical retail stores in Bangalore, marrying its online expertise with brick-and-mortar shopping that allows customers to hand-pick fresh produce and everyday essentials, enabled by smart technologies such as automated self-billing counters. This shift reflects BigBasket's strategy to bring modern retail experiences to customers who still value the in-person feel of choosing fresh items.[7]

#### H. Flipcart Supermarket

Flipkart Supermarket, also known as Flipkart Grocery, is an online grocery shopping service launched by Flipkart, a leading e-commerce company based in Bangalore, India. Customers can easily order their groceries using the Flipkart app or website and get them delivered directly to their homes. The service operates in many cities across India and ensures fast, safe, and reliable delivery. Flipkart Supermarket also maintains large warehouses and

uses advanced technology to manage stock and delivery.

It focuses on quality, affordability, and customer convenience. Because of its good service and trust under the Flipkart brand, it has become one of the most preferred platforms for online grocery shopping in India. It is active in over 1,800 towns and delivers to more than 10,000 pin codes across India. A key strength of Flipkart Super mart is its use of technology and supply-chain infrastructure to support operations in lesser serviced areas ("Real Bharat"), enabling ordering from tier-2 and tier-3 towns via vernacular interfaces and well-structured delivery logistics.

The platform has run campaigns emphasising high-quality groceries at attractive prices under taglines such as "Apki Pasand Pe Super Bachat" (your favorite at super savings), positioning it as an alternative to local shops and traditional supermarkets. A unique aspect of Flipkart Supermart is its evolution as part of Flipkart's strategy to serve both major metros and smaller tier-2/3 cities with quality produce and essentials. Flipkart has invested heavily in grocery fulfilment centres and partnerships with agriculture supply networks (like backend ties with fresh produce supply chains) to ensure a broad product range and faster fulfillment to diverse regions. This expansion reflects the company's aim to bring value, selection, and online convenience to everyday shopping—not just big-ticket items—making the supermarket experience digitally accessible far beyond traditional urban markets.[8]

#### I. Nature Basket

Nature's Basket is a premium grocery retail chain in India that has become a trusted name for people who prefer high-quality, healthy, and gourmet food products. Established in 2005 by the Godrej Group, it started as a small neighborhood store in Mumbai with the vision of introducing Indian customers to the world of fine foods and global culinary experiences. Over the years, it expanded to several cities and became one of India's most recognized gourmet retail brands. In 2019, Nature's Basket was acquired by Spencer's Retail, part of the RP Sanjiv Goenka Group, which gave it a stronger network and helped it expand further across India. Today, Nature's Basket operates through both offline stores and a strong online delivery platform that serves over 100

cities across the country. Every store is carefully designed to create a pleasant and premium shopping environment with well-

organized aisles, modern interiors, and friendly staff who assist customers in finding specialty items. In addition to its physical stores, Nature's Basket has a strong digital presence through its website and mobile app, where customers can browse and order thousands of products for home delivery. What truly sets Nature's Basket apart from typical grocery chains is its focus on quality, variety, and discovery. Unlike regular supermarkets that stock mostly mainstream brands and everyday essentials, Nature's Basket curates a wide range of products including fresh fruits and vegetables, artisanal cheeses, imported breads and pastries, organic and health-oriented foods, gourmet condiments, fine chocolates, meats and seafood, and specialty international ingredients. Its shelves often feature delicacies from around the world—whether it's French cheeses, Italian pasta sauces, or exotic spices—alongside carefully selected Indian and organic produce, making it a favorite destination for chefs, food enthusiasts, and families looking to explore new cuisines or elevate everyday meals. In 2019, the company was acquired by Spencer's Retail Ltd, a part of the RP-Sanjiv Goenka Group, which helped strengthen its retail footprint and operational capabilities while preserving its upscale brand identity. Under this ownership, Nature's Basket has expanded its store network to over 30 outlets, combining high-street retail spaces with an integrated online shopping platform that reaches hundreds of cities nationwide. The company also emphasises own-brand labels like Healthy Alternatives, L'Exclusif and Nature's, designed to provide premium and health-focused options across categories.[9]

#### J. Big Bazaar

Big Bazaar is one of India's most famous retail supermarket chains, known for bringing modern shopping experiences to Indian families at affordable prices. It was founded in 2001 by Mr. Kishore Biyani under the Future Group, a major retail and fashion company in India. The main idea behind Big Bazaar was to create a one-stop shopping destination where customers could buy everything they needed for daily life—groceries, clothes, electronics, kitchenware,

furniture, and household goods—all under one roof. The brand quickly became popular for its tagline “Isse Sasta Aur Accha Kahin Nahi”, meaning “Nothing better and cheaper than this,” which perfectly represented its focus on affordability and value for money. Big Bazaar stores were large-format retail outlets located in major cities and towns across India, often inside malls or as standalone stores. Each store was designed to give customers a modern shopping experience similar to international supermarkets, but at prices suitable for Indian middle-class families. The stores were divided into different sections, such as food, fashion, electronics, home essentials, and furniture, making it easy for customers to find everything in one visit. Big Bazaar also offered popular shopping events such as the “Sabse Saste Din” (Cheapest Days) sale, which attracted thousands of customers with massive discounts and offers on all types of products. Big Bazaar was one of India's largest and most influential retail chains, widely regarded as a pioneer of organized retail in the country. Launched in 2001 by Kishore Biyani under the Future Group, Big Bazaar introduced the hypermarket format to Indian consumers by

combining the feel of a traditional Indian bazaar with the convenience and scale of a modern supermarket. The stores offered a wide variety of products under one roof, including groceries, food items, clothing, footwear, home furnishings, kitchenware, electronics, and personal care products, making it a one-stop shopping destination for middle-class families. Big Bazaar became especially popular for its value-for-money pricing, frequent discounts, festival sales, and promotional schemes such as “Sabse Sasta Din” and loyalty programs like the Profit Club Card. At its peak, the brand had hundreds of stores across major cities as well as tier-II and tier-III towns, significantly changing shopping habits in India by encouraging bulk buying and organized retail experiences. Big Bazaar also played a key role in promoting private labels and affordable fashion through its sub-brand FBB (Fashion at Big Bazaar). Despite its strong brand recognition and massive customer base, Big Bazaar later faced serious challenges such as high operating costs, heavy debt from rapid expansion, intense competition from online retailers and efficient players like D- Mart, and financial stress worsened by the COVID-19 pandemic. Legal and financial

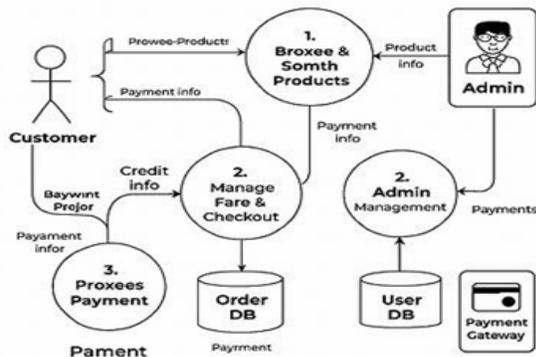
issues within the Future Group further disrupted operations, leading to the closure or rebranding of many stores. Even so, Big Bazaar remains an important case study in Indian business history, remembered for transforming how millions of Indians shop and for laying the foundation of modern retailing in the country.[10]

### III. METHODOLOGY

#### 3.1 Data Flow Diagram

This Data Flow Diagram (DFD) represents a supermarket or online shopping system that shows how data flows between the customer, system processes, databases, admin, and payment gateway.

The Customer is an external entity who interacts with the system. The customer first browses products and selects items to purchase. The customer also provides payment information during checkout. All customer actions initiate the data flow inside the system. Browse & Search Products allows the customer to view available products. Product information is fetched and displayed to the customer. At the same time, the Admin provides and updates product details such as product name, price, and availability, which are sent to this process.

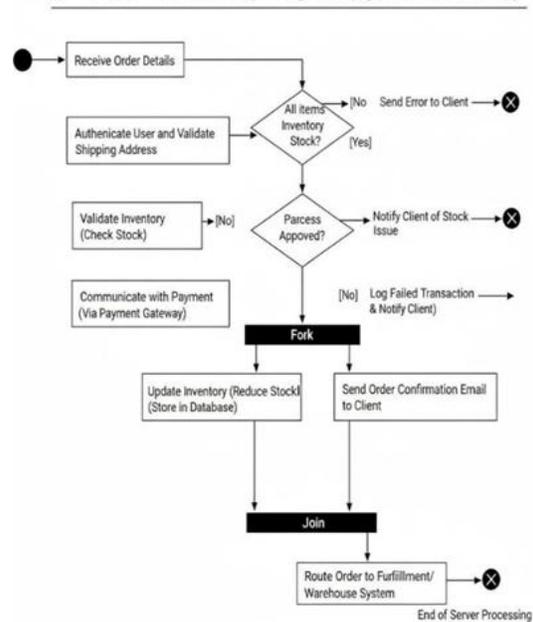


Manage Cart & Checkout handles selected items and calculates the total amount. It receives product details from the browsing process and credit/payment information from the customer. This process prepares the order details and sends them to the Order Database for storage. Process Payment is responsible for handling customer payments. It receives payment information from the checkout process and communicates with the Payment Gateway to complete the transaction securely. Once payment is successful, confirmation is sent back to the system.

#### 3.2 Server-side Activity

This Server-Side Activity Diagram shows the complete workflow that happens on the server after a customer places an order. It explains how the system receives the order, checks stock, processes payment, updates data, and finally sends the order for delivery. The process starts with Receive Order Details, where the server gets all information from the client such as selected products, quantity, user details, and delivery address. Next, the system Authenticates the User and Validates the Shipping Address. In this step, the server checks whether the user is genuine and whether the provided address is correct and usable for delivery.

Server-Side Activity Diagram (System Workflow)

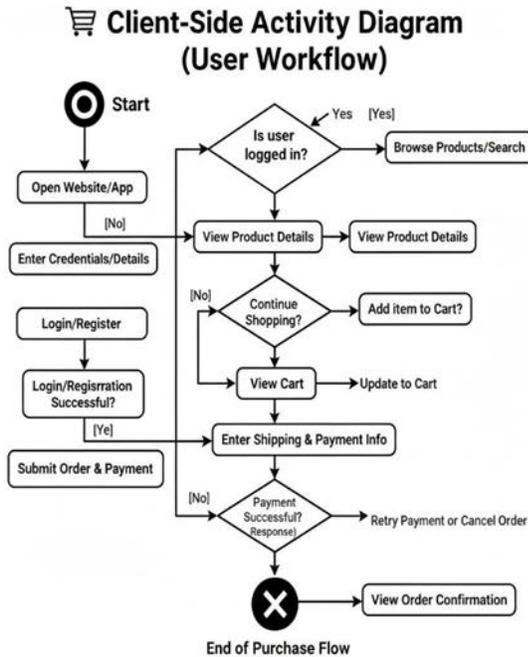


#### 3.3 Client-side Activity

This Client-Side Activity Diagram explains the steps a user follows while shopping on a website or mobile app. It shows how the user interacts with the system from opening the app to viewing the order confirmation. The process starts when the user opens the website or app. This is the starting point of the shopping activity, where the user enters the online shopping platform.

Next, the system checks Is the user logged in? If the user is not logged in, they must enter their credentials or personal details and then login or register. If the login or registration is successful, the user can continue further. If the user is already logged in, they

can directly move to browsing products. After login, the user can browse products or search for items. The user can then view product details, such as price, description, and availability, to decide whether to buy the product. The diagram then checks Continue shopping? If the user wants to continue, they can add items to the cart and keep browsing more products. If not, the user moves to view the cart, where all selected items are shown and quantities can be updated.



### 3.4 Class Diagram

**User:**The User class stores basic information of website users such as user ID, username, and shipping address. It allows users to register and access the system.

**Customer:**The Customer class contains customer login details like username, password, and email. Customers can update their profile and use the website for shopping.

**Admin(Details):**The Admin class stores admin login information such as login ID, admin level, and email. Admin has higher access than customers.

**Admin(Functions):**This Admin class shows admin tasks like managing inventory, processing orders, generating reports, and managing users.

**Customer(Actions):**This class explains customer activities. Customers can browse products, add items to cart, place orders, and view order history.

**Product:**The Product class stores product details such as product ID, price, stock quantity, status, and category.

**Cart:**The Cart class stores cart ID and items with product and quantity. It calculates the total amount of selected products.

**Order(ProductOrder):**This Order class manages product-wise order details and updates stock and quantity. It also calculates total price.

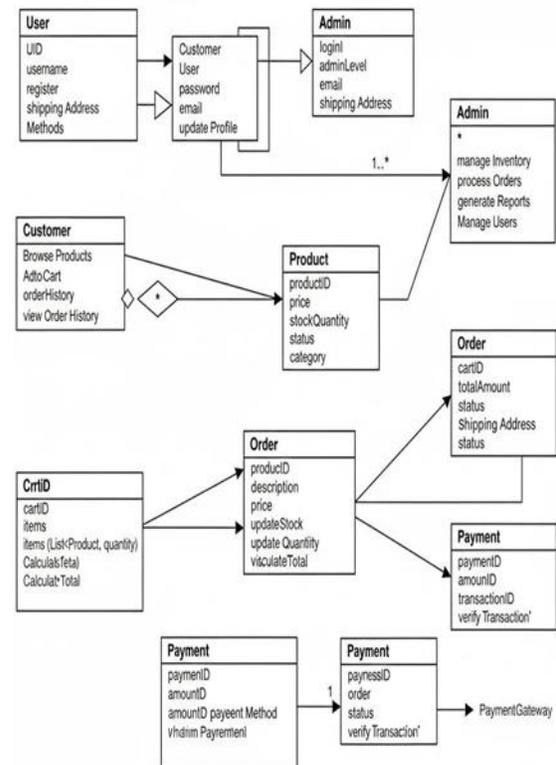
**Order(FinalOrder):**This Order class stores final order details like cart ID, total amount, shipping address, and order status.

**Payment(Details):**The Payment class stores payment ID, amount, and payment method used by the customer.

**Payment(Verification):**This Payment class verifies payment using transaction ID and updates payment status.

**PaymentGateway:**The Payment Gateway processes online payments securely between the website and bank services.

**Class Diagram for Shri Balaji Supermarket Website - Black and White**



#### IV. PROBLEM STATEMENTS

- Most supermarkets use manual systems for billing, stock, and sales management.
- Customers have to visit the store physically to buy products.
- It causes crowding, long queues, and time wastage.
- Manual billing and record-keeping can lead to human errors.
- Managing stock manually is slow and inaccurate.
- There is no easy way for customers to check prices or order online.
- Supermarkets need a digital system to make operations faster and more accurate.
- An online website can solve these issues by allowing easy shopping, order tracking, and payments.
- It also helps store owners to manage products, stock, and sales efficiently.
- Therefore, a Supermarket Management Website is needed to automate supermarket tasks and improve customer service.

#### V. PROJECT SCOPE

- The system will be a web-based supermarket website.
- It allows customers to browse products, add to cart, and make payments online.
- It allows admin to add, update, and delete product details.
- The admin can view orders, manage stock, and generate sales reports.
- Customers can register, log in, and view order history.
- The website will show product categories, prices, and offers.
- It supports secure online payment and order confirmation.
- The system will have a simple, user-friendly interface.
- It will be built using HTML, CSS, JavaScript, PHP, and MySQL.

#### VI. CONCLUSION

The Shri Balaji Super Market Website provides a modern solution to meet the growing demand for online shopping and digital convenience. By offering a user-friendly platform for browsing products, placing orders, and making secure payments, the website enhances customer satisfaction and accessibility. It also helps the supermarket manage inventory efficiently, track orders, and promote special offers. Overall, the project strengthens Shri Balaji Super Market's competitiveness, improves operational efficiency, and sets the foundation for future growth and expansion in the digital marketplace. Many local supermarkets like this often rely on social media pages, local directory listings (e.g., Justdial/Yellow Pages), or Google Business profiles rather than a full standalone website. Some supermarkets with similar names do have online listings or websites (e.g., an inactive supermarket site found for another "Balajies Super Market" that describes store offerings but does not seem actively maintained). Without a clear official web presence, customers typically find information such as contact details, location, and hours through online business listings rather than a dedicated site. Shri Balaji Super Market, located in Arali, Maharashtra, currently seems to lack a fully active, dedicated website. Most customers rely on online directories, Google Maps listings, or social media to access basic information like store location, contact number, working hours, and customer reviews. If a website exists, it may primarily serve as an informational platform, highlighting the types of products available, such as groceries, household essentials, personal care items, and packaged foods.

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