

Project scope : Business requirements of an online store

BlinkIT

Blinkit is a user-friendly B2C application designed to simplify the online grocery shopping experience. With a comprehensive database at its core, the application efficiently manages information related to products, customers, and employees, prioritizing simplicity and convenience. The login system encompasses two screens, catering to both customers and employees. Customers are required to register with essential details like name, phone number, email, address, and a password. Once registered, customers can easily log in using their phone number or email along with the designated password.

The customer interface offers a seamless browsing experience, allowing users to explore products by category, add items to a cart, view total costs after applying discounts, and utilize coupons. During the delivery process, customers have the flexibility to choose a preferred delivery address, provide a communication phone number, give tip, and specify any unique delivery instructions. Customers can easily track its order and it can also see the time of delivery as well and have the log out option to exit the App.

Employees, referred to as Blinkers, play a crucial role in the system. Each employee is assigned a unique employee ID, and their details include name, contact information, and other login credentials. Managers, who also serve as employees, oversee individual branches. Their data encompasses name, phone number, manager address, branch ID, and unique employee ID

Key components within the Blinkit application include

WareHouse management, where each branch is associated with vital data such as Branch ID, Branch address, Branch manager ID, Branch phone number, and Warehouse ID. Branches are overseen by dedicated managers with details including their name, phone number, manager address, and branch ID.

Customer management allows users to log in using their phone numbers and efficiently manage account details, including name, delivery address, and phone number. The interface also provides access to order history and delivery times.

Product management is detailed, offering information such as price, weight, country of origin, expiration date, shelf life, date of manufacture, seller information, return policy, and real-time availability status. Products are categorized into 15 distinct types, covering a range from Dairy & Bread to Pharma & Wellness and the database can also handle race conditions like when multiple customers buy the same product at the same time and the product is in limited stock .

Warehouses serve as vital hubs for storing and efficiently delivering products to designated target areas, each distinguished by a unique ID, address, branch ID, and manager ID. Payment options, including Debit Card/Credit Card, UPI, Netbanking, and Cash on Delivery, provide

customers with flexibility during the checkout process. A FAQ page is available for both employees and customers, offering answers to common questions. After payment, customers receive a detailed invoice, providing transparent documentation of their transaction. In essence, Blinkit stands out as an all-encompassing B2C application, seamlessly integrating features for customers, employees, product management, warehousing, and secure payment methods.

Group No. :- 11

Group Members :- Prince Kumar (2022378) , Satyam (2022462), Siddhant Singh (2022497).