Project Scope:

In this project we want to develop a Database Management System (DBMS) for Blinkit, an online delivery platform, to efficiently manage and organize data related to users, orders, products, payments, and other essential aspects of the business. Blinkit procures products from numerous brands and local businesses and stores them in their local inventories which allows them to deliver these products very quickly within 15 min of an order. Blinkit is currently providing its services in more than 30 cities across India but we will work for Blinkit services in Delhi only as there are more than 60 partner stores(inventories) in just Delhi only. Each partner store is assigned a local area in which they deliver products whenever a user orders something.

A user can register in Blinkit using their mobile no(unique for each registration), name, delivery address. Once registered Blinkit searches the nearest Blinkit partner store and shows the products available as per that partner store. Users can edit their details anytime they want except if an order has been placed and address is changed mid-order, the ongoing order's delivery location will not change.

The products are categorized into different categories in the Blinkit store like dairy products, beauty and cosmetics etc. A product's availability is listed as per the availability in the nearest partner store. Each product also has details available for it like Cost, manufacturer name, date of manufacture, expiry date, dimensions, etc. A user can add a product to cart to buy it if it's available. The number of products available reduces only when an order is placed successfully after adding it to cart. After adding products to cart, during checkout users can choose their desired payment option COD, UPI, credit card etc. After the payment is done an order is placed successfully and an order ID is generated using which the user can track their order. Blinkit also keeps record of all the previous orders as history of a user which is also available for the user to see.

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Equal contribution in scope of project by both members