

ONLINE STORE

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Project Scope:

Our challenge revolves across the creation of an e-commerce internet site for an online retail shop. Our main aim is to create a database application as the backbone of the backend system. This will make it easy for customers to browse through the products and buy them. stores like BlinkIt, we will sell customers products of different categories, such as groceries, etc, and offer them the best deals according to their requirements. In this project we will have two functionalities i.e. Customers and Admin. In which customers will have the opportunity to browse products based on their needs like brand, charge variety etc. And we will create a database using SQL in this project in which it stores customer information, personal details, etc. And in the admin section Admin will manage the products, discounts, etc. And Product data will also be stored with attributes like description, price, ratings etc. **To distinguish our app from platforms like Blinkit, we are introducing a subscription service catering to our regular customers.**

Technical Requirements:

My SQL:

MySQL (Structured Query Language) also known as relational database management system. It is used to store data in tables that map to objects and manage database(information) of customers, admins, products etc. The database entries will be stored, created, modified, and deleted with the help of this language.

HTML, CSS, JAVASCRIPT:

This will help us to create and design our website online store. For backend and frontend html, css and javascript are used.

Attributes.

- Customer: customerID, first name, last name, phone number, address, date of birth, gender, email address, etc.
- Admin: customerID, first name, last name, phone number, address, date of birth, gender, email address, etc.
- Product: productID, product name, description, category, price, quantity, etc

Functionalities

Customer:

- Login/Sign up
- Special Deals / Offers
- My account
- Search products: Customers can search products according to brand, price, and by their category.
- View product: Customers can view the product and it displays its description, features, ratings, etc.
- Add to cart: By this customer can add the product into the cart and can increase or decrease the quantity of the product.
- View cart: Customers can view their cart and can add more products from there
- Buy: By clicking on buy they can change their address or it will be delivered on the address which they have given at the time of sign up.
- Payment (cash on delivery/ UPI etc.): In this, customers can pay their bill and choose the mode of payment.
- Track order
- Feedback

Admin:

Admin will have the control on the website. Admin controls various functionalities like as follows:

- Login as admin
- Add category
- Add product
- Set discounts
- Set deals
- Update product details

Constraints:

- A customer(identified with email-id or mobile no.) can have only one account in the store application.
- Customers will be provided with customer id so that uniqueness among the customer will be maintained.
- The relationship between seller and products will be many-to-many.
- Relationship between customers and products will be many-to-many. We will get deep into these relationships while creating conceptual models.

Contribution:

- Pandillapelly Harshvardhini(2022345): Project Scope, Technical requirements
- Satkeerat Singh Khokhar(2022459): Attributes, Functionalities
- Swayam Ghanghas(2022526): Functionalities, constraints