

# Online Shopping and Delivery System

-Mitul Patel, Rajat Sharma, Nishant Jain

Our goal is to develop a software that will help bring the people of IITJ closer to the community center in order to facilitate the buying of commodities needed by them.

The program shall have three kind of operators, namely the customer, the vendor, and the administrator of the system. Upon the booting of the system, each user shall be required to login using their provided credentials. There is a feature for new customers to sign up at the login time instead. The admin shall remain fixed, and new vendors can be added or removed on the admin's discretion. Each user shall also have the means to edit his/her info that has been provided to the system. There shall also be a logout feature for the user.

The customer can search items in the inventory, and can view each item's details. He can also filter items by category when needed. Each user has a shopping cart in which he can add items and can check them out later for purchase. There is also an option of clearing the cart. There shall also be a list of all the orders performed by the customer, with their statuses. The customer can cancel any pending order, and shall be refunded accordingly. The customer's address and phone number shall be required for delivery purposes.

Once the customer decides to checkout, he shall be asked to select the delivery slot and date, and the payment portal shall be brought before him. The net total shall be shown, and there will be the options of online payment or COD. The payment shall first go to the firms account, from where it shall be distributed to respective vendors, for which we have stored the payment reference in order itself. For ease of record, we consider order for each item (with quantity specified) as a separate one, which contains the item id and its quantity.

The vendor can add and update items from the inventory at his discretion. Each vendor shall have a list of items, and their quantity present with him. He shall also have a list of orders that he has performed, along with their statuses. The bank account provided by the account shall be used for transaction purposes.

Each delivery slot shall have a delivery person associated with it, and there shall be 4 delivery slots in a day, for 7 days a week.