Badi Basket (Online Retail Store)
Employee and Inventory Management System
By Rahul Oberoi 2021555
Vishal Singh 2021575

Project Scope

The Employee Management System (EMS) at Badi Basket is a comprehensive tool for tracking and managing information about our employees. This includes demographic information, job titles, department, salary, and other relevant details. All of the previous information will be stored in an employee management database.

In addition, our inventory management system (IMS) plays a vital role in monitoring and controlling the movement of products in and out of our inventory. This is a crucial component of our supply chain management strategy and enables us to ensure that we have the right products in the right quantities at the right time. The inventory will be stored in a database which will include all of the information about the product like stock quantity, date of manufacturing, date of expiration, product category etc.

Furthermore, our customers can also use our IMS to view available inventory, add desired products to their cart, make payments, and even receive discounted rates if they are members of our loyalty program.

Technical Requirements

Front End: HTML, CSS, JS.
Back End: MySQL, Python, Django.

Functional Requirements

Admin Portal
- We are building an admin portal where the admin can enter employee details, the aisle to which they are assigned, and their job titles. **(Admin**

has to login into the portal)

- The employee's responsibility is to monitor the product inventory in the specific aisle to which they are assigned. Their responsibility is to either add more products or alert higher authorities if the product runs out of stock. The supply is then replenished and updated on the portal. **(Admin has to maintain a check on the database and add/update information accordingly)**

- The management system also includes an automatic notification feature for the admin, alerting them of any products that are nearing their expiration date, allowing them to sell these products at discounted prices before they expire. Additionally, customers can also view information about discounted products, including their location within the store (aisle number) and the remaining quantity available. **(Admin has to change the price of the products which will be on sale)**

Customer Portal
- New customers have to register and existing customers can log-in to their particular accounts. **(Customer has to create his/her account, or log-in)**

- Customers also have the option of joining the store's membership program, which gives them access to exclusive discounts and offers. The program is designed to reward frequent customers and to encourage them to make larger purchases by offering discounts when their total spending exceeds certain levels. **(After the customer has created their account they are prompted with the option to buy the membership)**.

- Finally, in addition to viewing and purchasing products, customers can also choose their preferred billing method from the available options, such as cash, net banking or card payments. This allows customers to choose a payment option that is most convenient for them. The system also provides customers with the ability to track their orders, view their purchase history, and manage their account details. **(Payment gateway or payment confirmation, which makes it easier for the customer to checkout)**