Project Report (GoGrub)

GoGrub is a fast, reliable, and convenient way to deliver your favourite meals to your doorstep. It is an online shopping platform that helps restaurants list food items and allows customers to browse and purchase them.

Functionalities: Login/SignUp:

1. Customers, restaurants, delivery workers, and admins can use their phone numbers to Login/SignUp to this platform.
2. If you don't have an account, you can create one using your phone number and address. You can choose your role from customers, Restaurants, and Delivery workers.
3. There is only one admin.

Customers:

1. Choose from different restaurants listed on the platform.
2. View all the food items of a particular restaurant.
3. Add a particular food item and its quantity to the cart.
4. Place an Order after adding all the required food items from a restaurant.
5. View all your orders placed till now and their delivery status.
6. View your profile and edit it.
7. Customers will also be provided with loyalty points which they can redeem with actual money (1 rupee for 100 points).

Restaurants:

1. View all the food items you provide and their available stock.
2. Update the stock and price of any particular food item.
3. Can also add a new food item with details such as price, stock, and food is veg or not.
4. View all the orders placed from a particular restaurant and their delivery status.
5. View profile and edit it.

Delivery Worker:

1. View all the active orders assigned to workers along with the details such as pick-up place and where to deliver.
2. Once an order has been delivered, workers can click (delivered) and it will update on the platform.
3. View profile and edit it.
4. Workers will also get an increment of 1000 rupees when they complete 100 deliveries. This thing is handled by triggers.

Admin:

1. Any restaurant can only list its food items on the platform when admin gives access to the restaurant.
2. Admin can change the Salary of any delivery person working on the platform.

Triggers:

1. Award_loyalty_points: Award loyalty points to customers based on the amount spent. For instance, for every 10 rupee spent, a customer earns 1 loyalty point.
2. update_deliveries_count_and_increment_salary: When a delivery person completes 100 deliveries, their salary is increased by Rs 1000 and delivery count =0.

Views:

1. view_orders: The view_orders view is a database view that provides a comprehensive and joined representation of order information by aggregating data from multiple tables: orders, customer, delivery_worker, and restaurant. This view simplifies queries for order-related information by combining relevant fields from these tables into a single, unified structure.