MAD 1 Project Report

Title: Grocery Store V1

Student Name: Gurneet Kaur Bhuller

Student ID: <u>21f2000672@ds.study.iitm.ac.in</u>

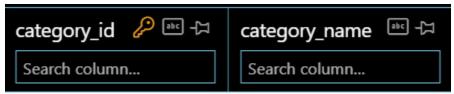
App Name: The OneStop Store

Database Models:

1) **Products** - This data table encompasses critical product information, including product_id (primary key), product_name, product_descp (product description), product_qty (product quantity) (stock), and product_pr (product price).



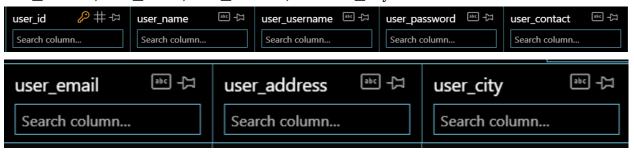
2) **Categories -** The categories table holds category_id (primary key) and category_name, providing the necessary categorization for products.



3) **Products Categories Relation (PC) -** This data table establishes the linkage between products and categories, utilizing pc_id (primary key), product_id, and category_id.



4) **User -** The user table contains comprehensive details of registered users, with user_id (primary key), user_name, user_username, user_password, user contact, user email, user address, and user city.



5) **Order -** The order data table records user orders, containing order_id (primary key), user id, order date, order items, and order amount.



6) **Cart -** This data contains the cart items of each user, before order is placed. It contains cart_id as the primary key, user_id, product_id, product_pr, product_name, cproduct_qty (quantity of product added to cart)



Application Flow:

- 1) The home page provides options for Admin sign-in, User log-in, and User sign-up.
- 2) After user log-in, they access the home page containing redirection buttons: Profile, Categories (shopping), Order History, Cart, Edit Profile, and Logout.
- 3) The Categories page showcases various category boxes. Clicking on a box navigates the user to a page displaying products specific to that category. Product details such as name, description, price, and the ability to adjust quantity via increment/decrement are provided. An "Add to Cart" button allows users to add desired quantities to the cart.
- 4) The Cart page displays product details alongside the total order amount. Placing an order clears the cart, records the order in the user's history, and updates the order database.

- 5) Upon Admin sign-in, the admin dashboard appears, featuring redirection buttons: Categories (displaying all categories and products), Add Category, Edit Category, Delete Category, Add Product, Edit Product, Delete Product, See Users, See Orders, and Logout.
- 6) Admin-exclusive access allows for the utilization of add, edit, and delete functionalities, with corresponding database updates.
- 7) The app's theme adopts a subdued beige background accented with pink and light blue panels, creating a simple and intuitive user experience.

Video Presentation:

A comprehensive video presentation detailing the project's features, functionalities, and user interaction is available through the following link: [Grocery Store V1 Video](https://drive.google.com/file/d/1JtAdwTnDSeoRZCCQeD7UDVIS58IwZ933/view?usp=sharing).

The Grocery Store V1 project effectively implements user and admin functionalities, allowing for seamless shopping experiences and efficient management of products, categories, and orders. The intuitive design and organized database models contribute to a user-friendly application.