

MAD 1 Project Report

Title : Grocery Store V1












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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).

product_id   	product_name  	product_descp  	product_qty  	product_pr  
<input data-bbox="305 1081 522 1115" type="text" value="Search column..."/>	<input data-bbox="548 1081 766 1115" type="text" value="Search column..."/>	<input data-bbox="792 1081 1010 1115" type="text" value="Search column..."/>	<input data-bbox="1036 1081 1253 1115" type="text" value="Search column..."/>	<input data-bbox="1279 1081 1497 1115" type="text" value="Search column..."/>







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




category_id   	category_name  
<input data-bbox="310 1312 711 1375" type="text" value="Search column..."/>	<input data-bbox="755 1312 1156 1375" type="text" value="Search column..."/>

- 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.








pc_id   	product_id   	category_id   
<input data-bbox="310 1617 678 1675" type="text" value="Search column..."/>	<input data-bbox="722 1617 1091 1675" type="text" value="Search column..."/>	<input data-bbox="1133 1617 1502 1675" type="text" value="Search column..."/>

- 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.

user_id  	user_name 	user_username 	user_password 	user_contact 
<input data-bbox="313 373 524 405" type="text" value="Search column..."/>	<input data-bbox="557 373 768 405" type="text" value="Search column..."/>	<input data-bbox="800 373 1011 405" type="text" value="Search column..."/>	<input data-bbox="1044 373 1255 405" type="text" value="Search column..."/>	<input data-bbox="1287 373 1498 405" type="text" value="Search column..."/>

user_email 	user_address 	user_city 
<input data-bbox="313 520 678 573" type="text" value="Search column..."/>	<input data-bbox="727 520 1092 573" type="text" value="Search column..."/>	<input data-bbox="1141 520 1507 573" type="text" value="Search column..."/>

- 5) **Order** - The order data table records user orders, containing order_id (primary key), user_id, order_date, order_items, and order_amount.

order_id  	user_id  	order_date 	order_items 	order_amount 
<input data-bbox="313 764 524 795" type="text" value="Search column..."/>	<input data-bbox="557 764 768 795" type="text" value="Search column..."/>	<input data-bbox="800 764 1011 795" type="text" value="Search column..."/>	<input data-bbox="1044 764 1255 795" type="text" value="Search column..."/>	<input data-bbox="1287 764 1498 795" type="text" value="Search column..."/>

- 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)

cart_id  	user_id  	product_id  
<input data-bbox="313 1039 678 1092" type="text" value="Search column..."/>	<input data-bbox="727 1039 1092 1092" type="text" value="Search column..."/>	<input data-bbox="1141 1039 1507 1092" type="text" value="Search column..."/>

product_pr 	product_name 	cpproduct_qty 
<input data-bbox="313 1207 678 1260" type="text" value="Search column..."/>	<input data-bbox="727 1207 1092 1260" type="text" value="Search column..."/>	<input data-bbox="1141 1207 1507 1260" type="text" value="Search column..."/>

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)](<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.