**Database Documentation**

1. **Supplier Side:**

|  |  |
| --- | --- |
| **Table Name** | **View Name** |
| Supplier | Supplier\_v |
| ServiceZones | ServiceZones\_v |
| TrashCategories | TrashCategories\_v |
| TrashSubCategories | TrashSubCategories\_v |
| SupplierSelections | SupplierSelections\_v |
| SupplierOrders | SupplierOrders\_v |
| SupplierCart | SupplierCart\_v |
| SupplierOrderItems | Supplier\_OrderItems\_v |
| PickupAddress | PickupAddress\_v |

1. **Consumer Side:**

|  |  |
| --- | --- |
| **Table Name** | **View Name** |
| Consumer | Consumer\_v |
| RecyclingCategories | RecyclingCategories\_v |
| RecyclingSubcategories | RecyclingSubcategories\_v |
| ConsumerSelections | ConsumerSelections\_v |
| ConsumerCart | ConsumerCart\_v |
| ConsumerOrders | ConsumerOrders\_v |
| ConsumerOrderItems | consumerOrderitems\_v |
| DeliveryAddress | DeliveryAddress\_v |

* Display the Views in the database.

**SHOW FULL TABLES WHERE Table\_type="VIEW";**

* Display the Views & Tables in the database.

**SHOW FULL TABLES;**

1. **Procedures:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Procedure Name** | **Description** | **Input Parameters** | **Additional Notes** |
| create\_consumer\_order\_from\_cart | Transfers all items from the consumer cart to a new consumer order and clears the cart. | p\_consumer\_id INT (Consumer ID), p\_delivery\_id INT (Delivery Address ID) | Uses transactions to ensure atomicity. Clears the consumerCart table after transferring items. |
| register\_consumer | Registers a new consumer and sets up a default delivery address. | p\_first\_name, p\_last\_name, p\_email, p\_mobile\_number, p\_password, p\_state, p\_city, p\_pincode, p\_consumer\_type | Uses consumer and deliveryAddress tables. Concatenates first and last names for delivery address. |
| register\_supplier | Registers a new supplier and sets up a default pickup address. | p\_first\_name, p\_last\_name, p\_mobile\_number, p\_password, p\_state, p\_city, p\_pincode, p\_supplier\_type | Similar to register\_consumer, but for suppliers. Adds a default pickup address for each registered supplier. |
| create\_supplier\_order\_from\_cart | Transfers all items from the supplier cart to a new supplier order and clears the cart. | p\_supplier\_id INT (Supplier ID), p\_pickup\_id INT (Pickup Address ID) | Uses transactions to ensure atomicity. Clears the supplierCart table after transferring items. |
| GrantDBAccess | Grants a new user access to all views in the recycle\_x schema that follow the naming convention %\_v. | p\_username VARCHAR(255) (Username for the new user), p\_password VARCHAR(255) (Password for the new user) | Creates a new user if it doesn’t exist and grants ALL PRIVILEGES on all views matching the %\_v pattern. Includes cursor usage to iterate views. |

1. **APIs:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Category** | **Name** | **Method** | **URL** |
| Common | getAllServiceZones | GET | /common/getServiceZones |
| Common | getAllTrashCategories | GET | /common/getAllTrashCategories |
| Common | getAllTrashSubCategories | GET | /common/getAllTrashSubCategories |
| Common | getAllRecyclingCategories | GET | /common/getAllRecyclingCategories |
| Common | getAllRecyclingSubCategories | GET | /common/getAllRecyclingSubCategories |
| Common | findServiceByPincode | POST | /common/findServiceByPincode |
| Consumer | loginConsumer | POST | /consumer/signin |
| Consumer | registerConsumer | POST | /consumer/signUp |
| Consumer | updateConsumer | PUT | /consumer/update/{id} |
| Consumer | showCart | GET | /consumer/showcart |
| Consumer | addToCart | POST | /consumer/addcart/{id} |
| Consumer | removeFromCart | DELETE | /consumer/removecart/{id} |
| Consumer | getAllDeliveryAddress | GET | /consumer/delivery |
| Consumer | addDeliveryAddress | POST | /consumer/delivery |
| Consumer | updateDeliveryAddress | PUT | /consumer/delivery/{id} |
| Consumer | deleteDeliveryAddress | DELETE | /consumer/delivery/{id} |
| Consumer | placeOrder | POST | /consumer/placeorder |
| Consumer | getAllOrdersByConsumer | GET | /consumer/orders |
| Consumer | getOrderItemDetails | POST | /consumer/orderdetail |
| Consumer | uploadProfileImg | PATCH | /consumer/uploadimg/{id} |
| Supplier | loginSupplier | POST | /supplier/signin |
| Supplier | registerSupplier | POST | /supplier/signup |
| Supplier | updateSupplier | PUT | /supplier/update/{id} |
| Supplier | showCart | GET | /supplier/showcart |
| Supplier | addToCart | POST | /supplier/addcart/{id} |
| Supplier | removeFromCart | DELETE | /supplier/removecart/{id} |
| Supplier | getAllPickUpAddress | GET | /supplier/pickup |
| Supplier | addPickUpAddress | POST | /supplier/pickup |
| Supplier | updatePickUpAddress | PUT | /supplier/pickup/{id} |
| Supplier | deletePickUpAddress | DELETE | /supplier/pickup/{id} |
| Supplier | placeOrder | POST | /supplier/placeorder |
| Supplier | getAllOrdersBySupplier | GET | /supplier/orders/{id} |
| Supplier | getOrderItemDetails | POST | /supplier/orderdetail |
| Supplier | uploadProfileImg | PATCH | /supplier/uploadimg/{id} |