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

2. 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;

3. 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.

4. 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}