

GLOBAL SUPERSTORE MANAGEMENT

Milestone 2

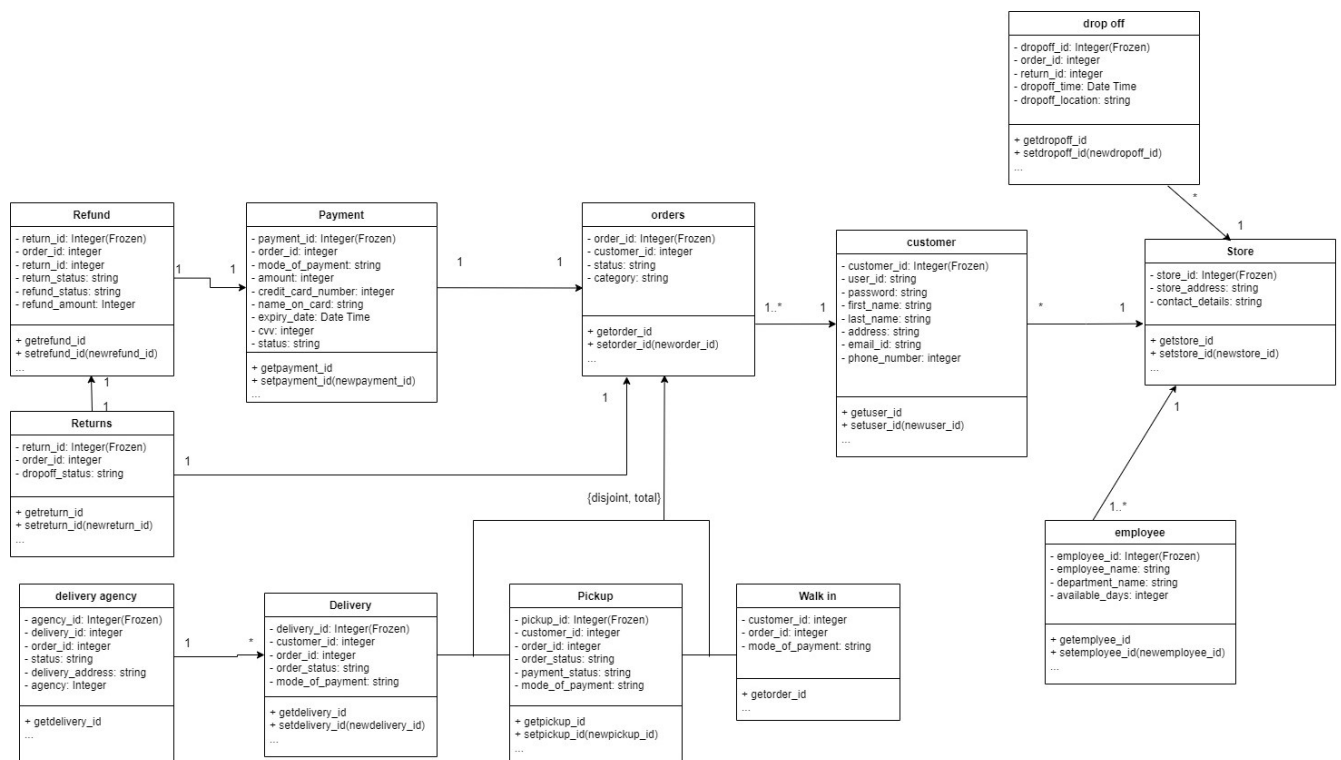
Group-16

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UML Diagram



Mapping Conceptual model to Relational model

Table Name – **BOLD**, Primary Key – Underlined, Foreign Key - *Italics*

Store (Store_ID, Store_Address, Contact_Details)

Customer (Customer_ID, User_ID, Password, First_Name, Last_Name, Address, Email_ID, Phone_Number)

Orders (Order_ID, Order_Category, Payment_Status, *Customer_ID*)

- Customer_ID (Foreign key) refers to Customer_ID in the relation Customer: Null not allowed

Walk-In (Order_ID, Mode_of_Payment)

Pickup (Order_ID, Pickup_ID, Order_Status, Mode_of_Payment)

Delivery (Delivery_ID, Order_ID, Order_Status, Mode_of_Payment, *Agency_ID*)

- Agency_ID (Foreign key) refers to Location in the relation Delivery_Agency: Null not allowed

Delivery_Agency (Agency_ID, *Order_ID*, Status, Delivery_Address)

- Order_ID (Foreign key) refers to Order_ID in the relation Orders: Null not allowed

Agency (Agency_ID, Agency_Name)

Payment (Payment_ID, Payment_Status, Mode_of_Payment, CVV, Expiry_Date, Name_on_Card, Card_number, amount, mode_of_payment, *Order_ID*)

- Order_ID (Foreign key) refers to Order_ID in the relation Orders: Null not allowed

Refund (Refund_ID, Refund_Status, Refund_Amount, *Order_ID*, *Return_ID*)

- Order_ID (Foreign key) refers to Order_ID in the relation Orders: Null not allowed
- Return_ID (Foreign key) refers to Return_ID in the relation Returns: Null not allowed

Returns (Return_ID, Dropoff_Status, *Order_ID*, *Dropoff_ID*)

- Order_ID (Foreign key) refers to Order_ID in the relation Orders: Null not allowed
- Dropoff_ID (Foreign key) refers to Dropoff_ID in the relation Orders: Null not allowed

Dropoff (Dropoff_ID, Dropoff_time, Dropoff_location, *Order_ID*)

- Order_ID (Foreign key) refers to Order_ID in the relation Orders: Null not allowed

Employee (Employee_ID, Employee_Name, Department_Name, Available_Days, *Store_ID*)

- Store_ID (Foreign key) refers to Store_ID in the relation Store: Null not allowed