RELATIONAL MODELS

CONCEPTUAL MODEL

The following is the conceptual model for our database management system

1. **Admin** (<u>Admin_ID: string</u> , Admin_name: string , Admin_pass: string, Admin_email: string , Admin_mobile : long)

2. **Customer** (<u>Customer_ID: string</u>, Cust_name: string , Cust_pass: string, Cust_email: string , Cust_mobile: long , Cust_dob: string, Cust_age: int , Cust_address: string)

3. **Supplier** (<u>Supplier_ID: string</u>, Supplier_name: string , Supplier_pass: string, Supplier_email: string , Supplier_mobile: long , Supplier_address: string)

4. **Product** (<u>Prod_ID: string</u>, Deal_ID: string , Supplier: string ,Categ_ID: string Prod_name: string , Brand: string, Description: string ,Availability : string , vMax_discount_avail: string)

5. **Category** (<u>Categ_ID: string</u>, Categ_name: string)

6. **Account_data** (Customer_ID: string, Prod_ID: string, Order_ID: string, Deal_ID: string, Order_history: string , Wishlist: string, Coupons: string , Admin_mobile: long)

7. **Delivery_Partner** (<u>Partner_ID: string</u> , Partner_name: string , Partner_pass: string, Partner_email l: string , Partner_mobile : long)

8. **Order** (<u>Order_ID: string</u> , Supplier_ID: string, Customer_ID: string, Payment_ID: string, Partner_ID: string, Pincode: int , House_no: string , Landmark: string, city_state: string)

9. **Offer** (<u>Deal_ID: string</u> , Prod_ID: string, Deal_type: string , Discount: string min_requirement : int)

10. **Prod_Feedback** (<u>Prod_ID: string</u> , <u>Customer_ID: string</u>, Prod_review: string , Prod_rating : int)
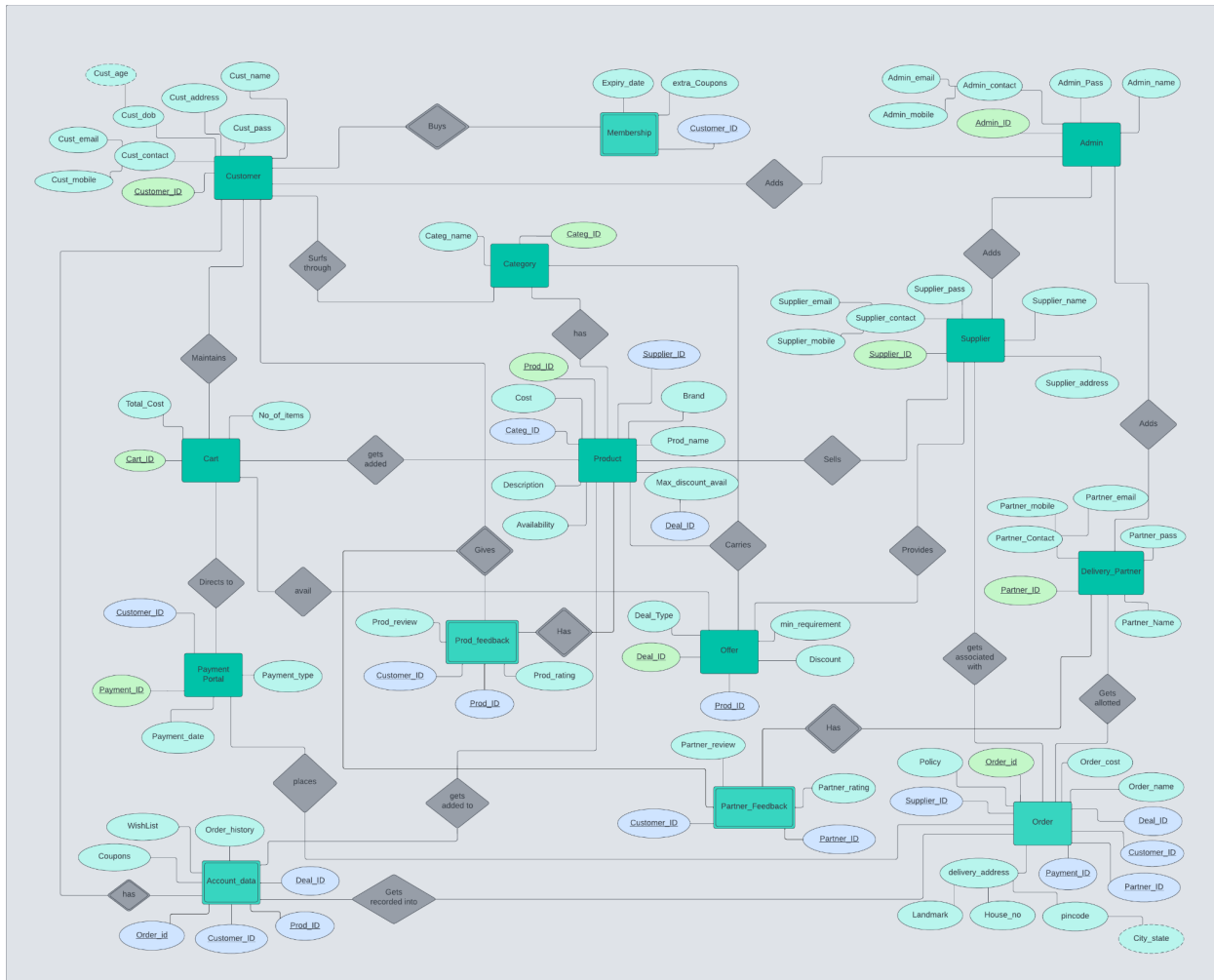
11. **Membership** (Customer_ID: string,Expiry_date: string, extra_coupons: string)

12. **Cart** (<u>Cart_ID: string</u> ,Total_Cost: int , No_of_items : int)

13. **Payment_portal** (<u>Payment_ID: string</u> ,Customer_ID: string Payment_date: string, Payment_type: string)

14. **Partner_Feedback** (<u>Partner_ID: string</u> , <u>Customer_ID: string</u>, Partner_review: string ,Partner_rating : int)

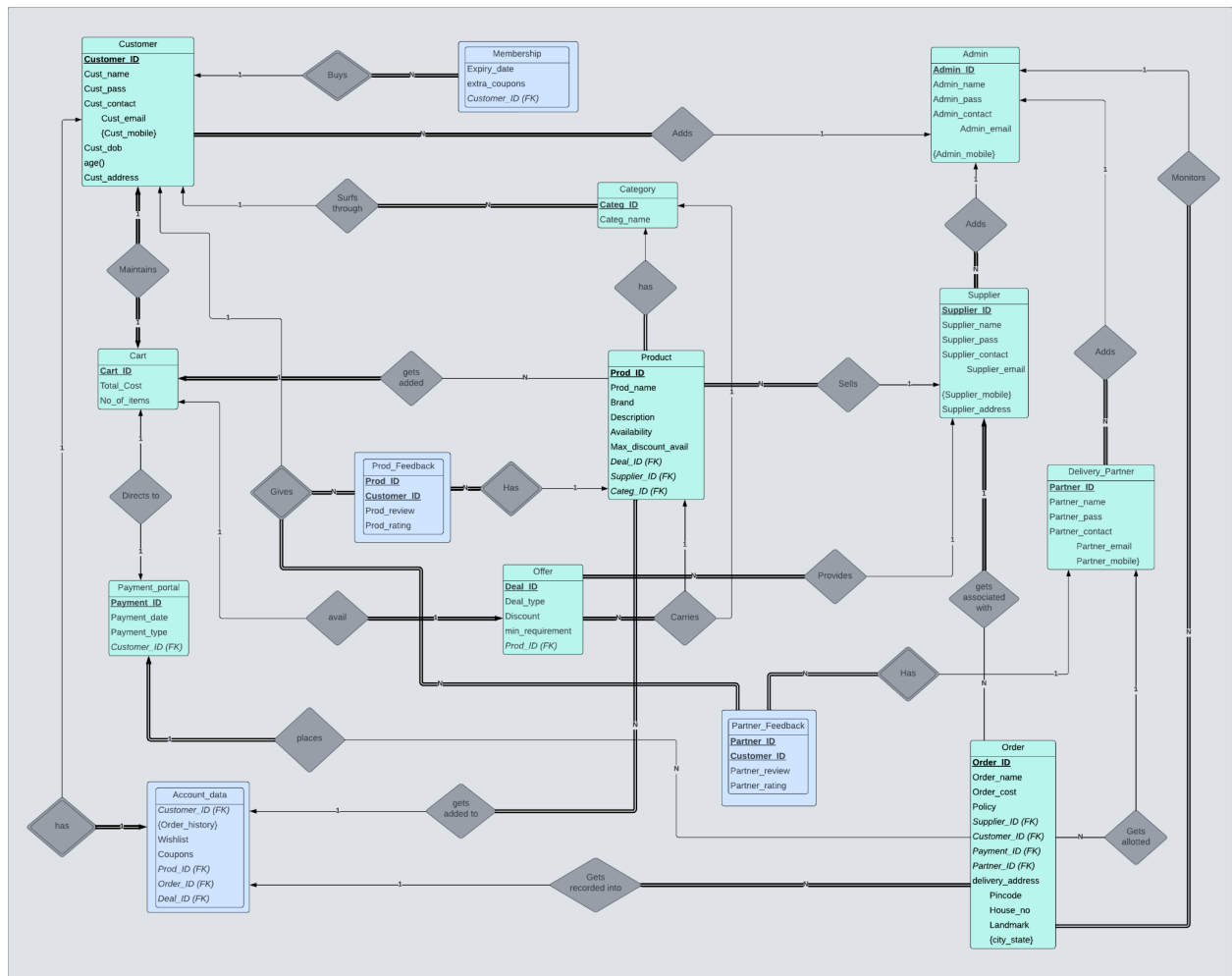## ENTITY RELATION AND RELATIONAL MODELS
The following are the entities used in our entity relation and relational models
1. Admin
2. Customer
3. Supplier
4. Product
5. Category
6. Account Data
7. Delivery Partner
8. Order
9. Offer
10. Prod Feedback
11. Membership
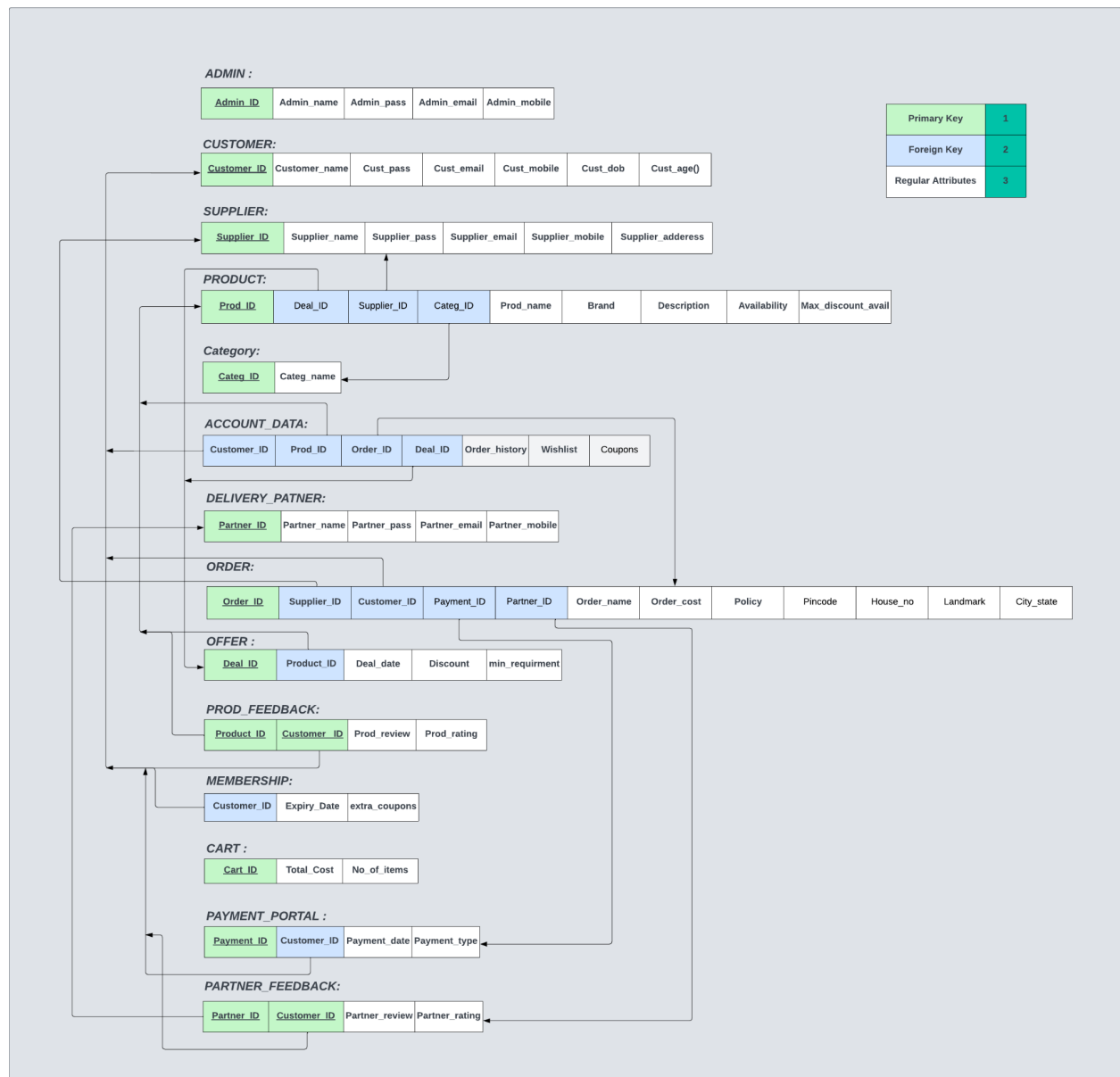12. Cart
13. Payment Portal
14. Partner Feedback

ENTITY RELATIONSHIP DIAGRAM:

ENTITY RELATIONSHIP DIAGRAM (UML Format):

RELATIONSHIP DIAGRAM:

ADMIN :

Admin_ID	Admin_name	Admin_pass	Admin_email	Admin_mobile

CUSTOMER:

Customer_ID	Customer_name	Cust_pass	Cust_email	Cust_mobile	Cust_dob	Cust_age()

SUPPLIER:

Supplier_ID	Supplier_name	Supplier_pass	Supplier_email	Supplier_mobile	Supplier_adderess

PRODUCT:

Prod_ID	Deal_ID	Supplier_ID	Categ_ID	Prod_name	Brand	Description	Availability	Max_discount_avail

Category:

Categ_ID	Categ_name

ACCOUNT_DATA:

Customer_ID	Prod_ID	Order_ID	Deal_ID	Order_history	Wishlist	Coupons

DELIVERY_PATNER:

Partner_ID	Partner_name	Partner_pass	Partner_email	Partner_mobile

ORDER:

Order_ID	Supplier_ID	Customer_ID	Payment_ID	Partner_ID	Order_name	Order_cost	Policy	Pincode	House_no	Landmark	City_state

OFFER :

Deal_ID	Product_ID	Deal_date	Discount	min_requirment

PROD_FEEDBACK:

Product_ID	Customer_ID	Prod_review	Prod_rating

MEMBERSHIP:

Customer_ID	Expiry_Date	extra_coupons

CART :

Cart_ID	Total_Cost	No_of_items

PAYMENT_PORTAL :

Payment_ID	Customer_ID	Payment_date	Payment_type

PARTNER_FEEDBACK:

Partner_ID	Customer_ID	Partner_review	Partner_rating

Primary Key	1
Foreign Key	2
Regular Attributes	3

TOOLS USED
- Lucid chart
- GoogleDox

Team members
- Saketh Ragirolla- 2021092
- Ritisha Singh- 2021089