DBMS

Sridhar Sodhi 2021104 || Soumya Mohapatra 2021103

The following document contains the following:

- ER Diagram
- Relational Schema

Entity-Relationship Diagram

Person
- Name
  - First_Name
  - Last_Name
- Email
- {Phone}
- DOB
- Age()
- Gender
- {Address}
  - Locality
  - City
  - State
  - Pincode

Review
- R_ID
- R_Title
- R_Body

reply_to / reply_of — **reply**

review_handle — 1..*

feedback — 1..* / 1

Admin
- Admin_ID
- Admin_username
- Admin_Password

Retailers
- R_ID
- Password
- R_Sale

Customer
- C_ID
- C_Password
- Membership

Product
- P_ID
- P_Name
- P_Type

sells — 1 / 1..*

Prod_cat — 1..* / 1..*

Category
- Cat_ID
- Cat_Name

quantity

Cart — 1..* / 1..*

product_handle — 1 / 1..*

customer_handle — 1 / 1..*

order_handle — 1..*

is_liable_to — 1 / 1..*

Normal Product
- Price
- Quantity
- P_Description
  - P_Type
  - P_DOM

Custom Product
- Custom_specifications
- Price
- Custom_time

Orders
- O_ID
- O_date
- O_price()
- O_status()

Refund
- Amount
- Settlement_status

of_order — 0..1 / 1

for_delivery — 1..* / 1..*

Shipment
- Shipment_ID
- Del_Partner
- status
- mode_of_transport
- Date_of_dep
- Date_of_arr
- place_of_dep
  - Locality
  - City
  - State
  - Pincode
- place_of_arr
  - Locality
  - City
  - State
  - Pincode

Admin

Admin_ID	Username	Password

Customer

C_ID	First name	Last name	Email	DOB	Age	Gender	Membership	Password	Admin_ID

Phone

C_ID	Phone

Address

C_ID	Address

Retailer

R_ID	Name	Email	Password	R_Sale	DOB	Age	Gender	Admin_ID

Phone

R_ID	Phone

Address

R_ID	Address

Order

O_ID	O_date	O_price	Customer_ID	Product_ID	Admin_ID

Shipment

Shipment_ID	Del_partner	status	mode_of_transport	Date_of_dep	Date_of_arr	locality_of_dep	City_of_dep	State_of_dep	Pincode_of_dep	locality_of_arr	City_of_arr	State_of_arr	Pincode_of_arr	Order_ID

Review

Rw_ID	R_Titile	R_Body	Review_of	Admin_ID

Category

Category_ID	Cat_Name

Normal Product

P_ID	P_Name	P_type	Price	Quantity	Category_ID	Description_Type	Description_DOM	Admin_ID	R_ID

Custom Product

P_ID	P_Name	P_type	Price	Time	Category_ID	Specification	Description_DOM	Admin_ID	R_ID

Refund

Amount	Status	Order_ID	C_ID

Cart

C_ID	P_ID	Quantity

Feedback

Rw_ID	P_ID	C_ID

For_Devilery

O_ID	Shipment_ID

Prod_Cat

P_ID	Category_ID

Diagram Key

- ● Foreign Key
- ● Primary Key
- ● Attributes