

# Online Gift Store Management System

## Entity-Relationship Model:

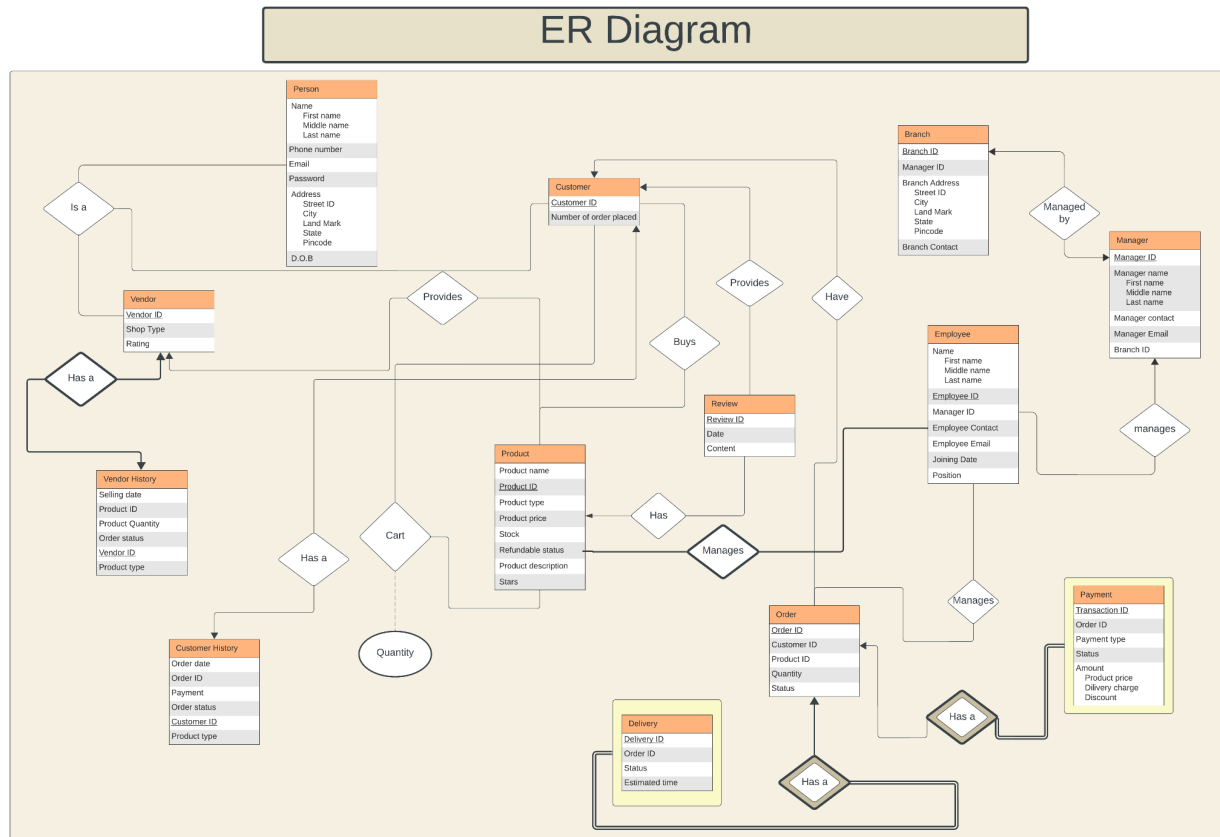
The Entity-Relationship (ER) model is a conceptual data model used in database design to visually represent the structure of data and the relationships between different entities within a system.

## Assumption and Constraints:

1. Branch to Manager : These 2 entities are related to each other by one to one relationship.
2. Manager to Employee : These 2 entities are related to each other by one to many relationships.
3. Employee to Order : These 2 entities are related to each other by many to many relationships.
4. Employee to Product : These 2 entities are related to each other by many to many relationships.
5. Order to Delivery : These 2 entities are related to each other by one to one relationship.
6. Order to Payment : These 2 entities are related to each other by one to one relationship.
7. Person to Vendor : These 2 entities are related to each other by many to many relationships.
8. Vendor to Product : These 2 entities are related to each other by one to many relationships.

9. Vendor to Vendor History : These 2 entities are related to each other by one to one relationship.
10. Person to Customer : These 2 entities are related to each other by many to many relationships.
11. Customer to Customer History : These 2 entities are related to each other by one to one relationship.
12. Customer to Product : These 2 entities are related to each other by many to many relationships.
13. Customer to Review : These 2 entities are related to each other by one to many relationships.
14. Product to Review : These 2 entities are related to each other by one to many relationships.

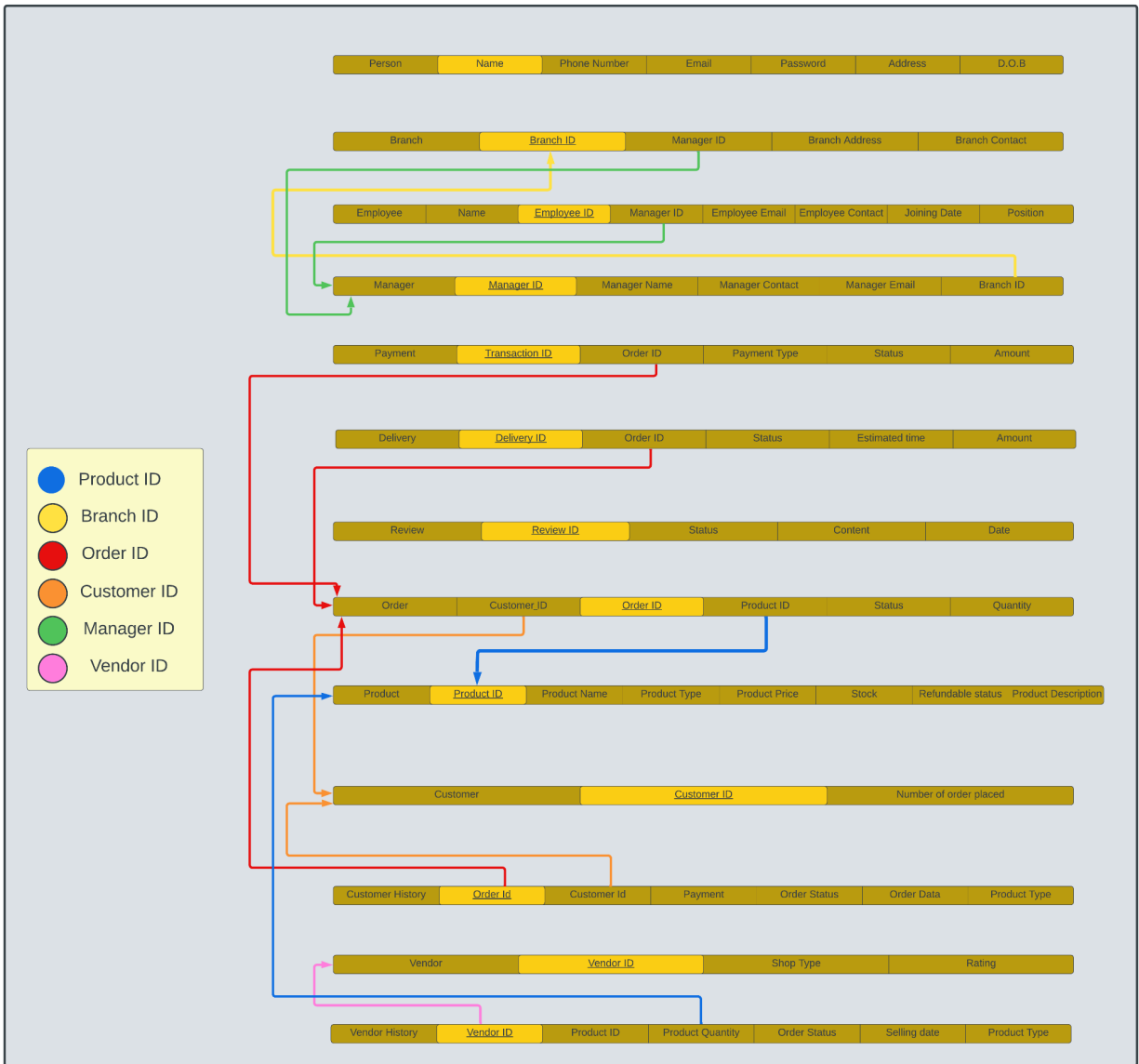
In this ER Model we capture the nature of the relationships and entities planned to be used in the project and also designed in accordance with the assumptions and constraints as mentioned above.



## Relationship Model:

Relationship Models are used to represent how data will be stored in the database, along with the attributes of each entity and relationship between them, establishes the structural blueprint of a database and outlines the interconnections between various entities. The Relational Model is designed in accordance with the assumptions and constraints as mentioned above.

## Relational Diagram



## Contributors:

- Pratham Mittal (2022373) : ER Diagram
- Sachin Maurya (2022424) : ER Diagram
- Sarthak Singh (2022457) : Relational Diagram

- Kshitij (2022256) : Relational Diagram

**Tutorial Group : 8**

Lucid link : [Link](#)