EasyBazaar

Group-6

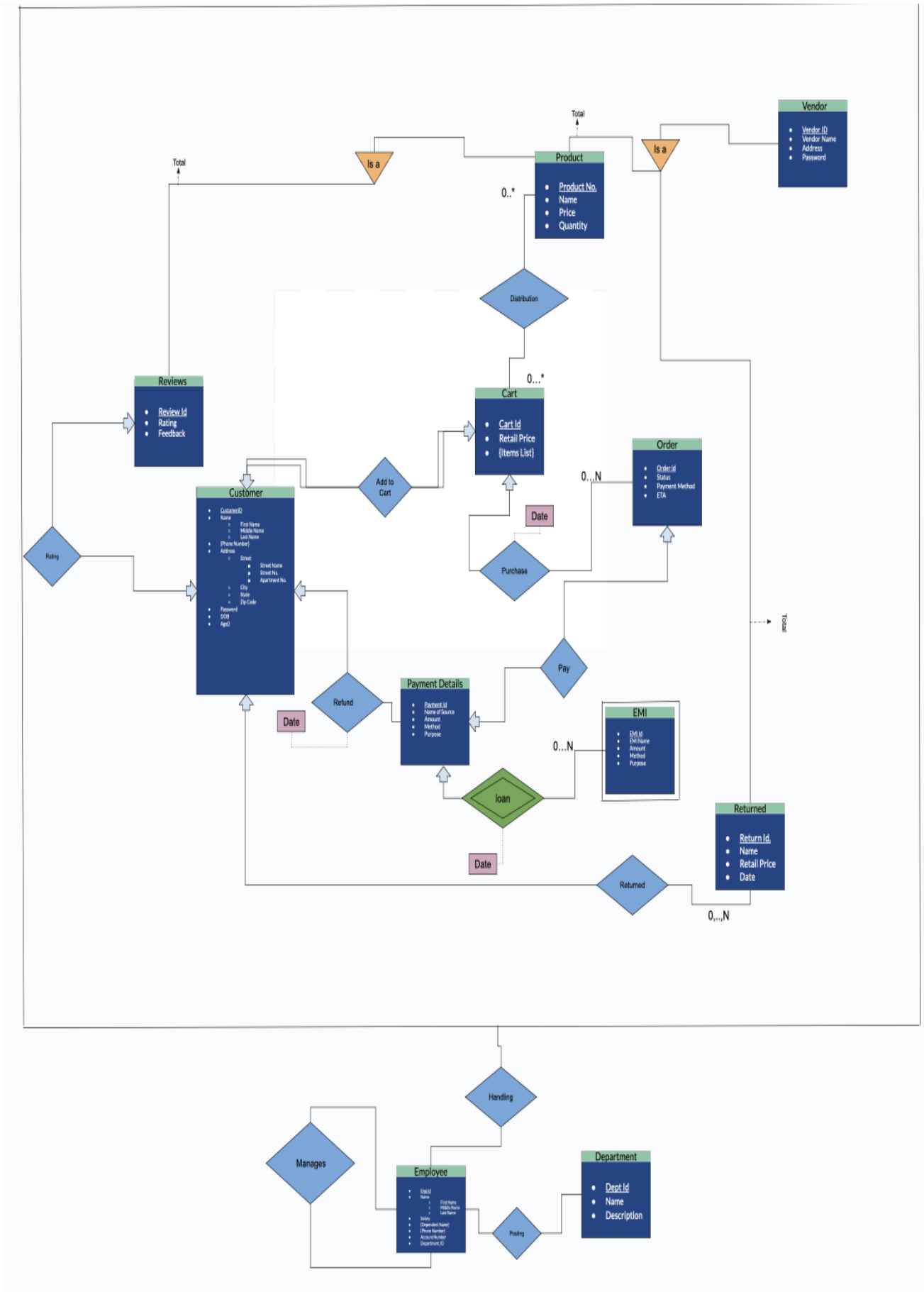
Nishant Kumar (2022326) | Akash Kumar (2022048) | Naman Singh (2022312)

Conceptual and Relational Models

Entity-Relationship Model

Entity-Relationship (ER) Models are used to plan how different entities in a project interact with each other. Our ER Model captures the nature of the relationships and entities planned to be used in the project. The ER Model is designed in accordance with the assumptions and constraints as mentioned in the document above. Hence, we plan to build our system on the basis of the following Entity:

Link: Link for Entity-Relationship Model


Vendor
Vendor ID
Vendor Name
Address
Password
Total
Is a
Product
Product No.
Name
Price
Quantity
0..*
Distribution
0...*
Reviews
Review Id
Rating
Feedback
Cart
Cart Id
Retail Price
{Items List}
Order
Order Id
Status
Payment Method
ETA
0...N
Add to Cart
Customer
Date
Purchase
Rating
Pay
Refund
Payment Details
Payment Id
Name of Source
Amount
Method
Purpose
EMI
EMI Id
EMI Name
Amount
Method
Purpose
0...N
loan
Returned
Return Id.
Name
Retail Price
Date
Returned
0,...,N
Handling
Manages
Employee
Department
Dept Id
Name
Description
Posting

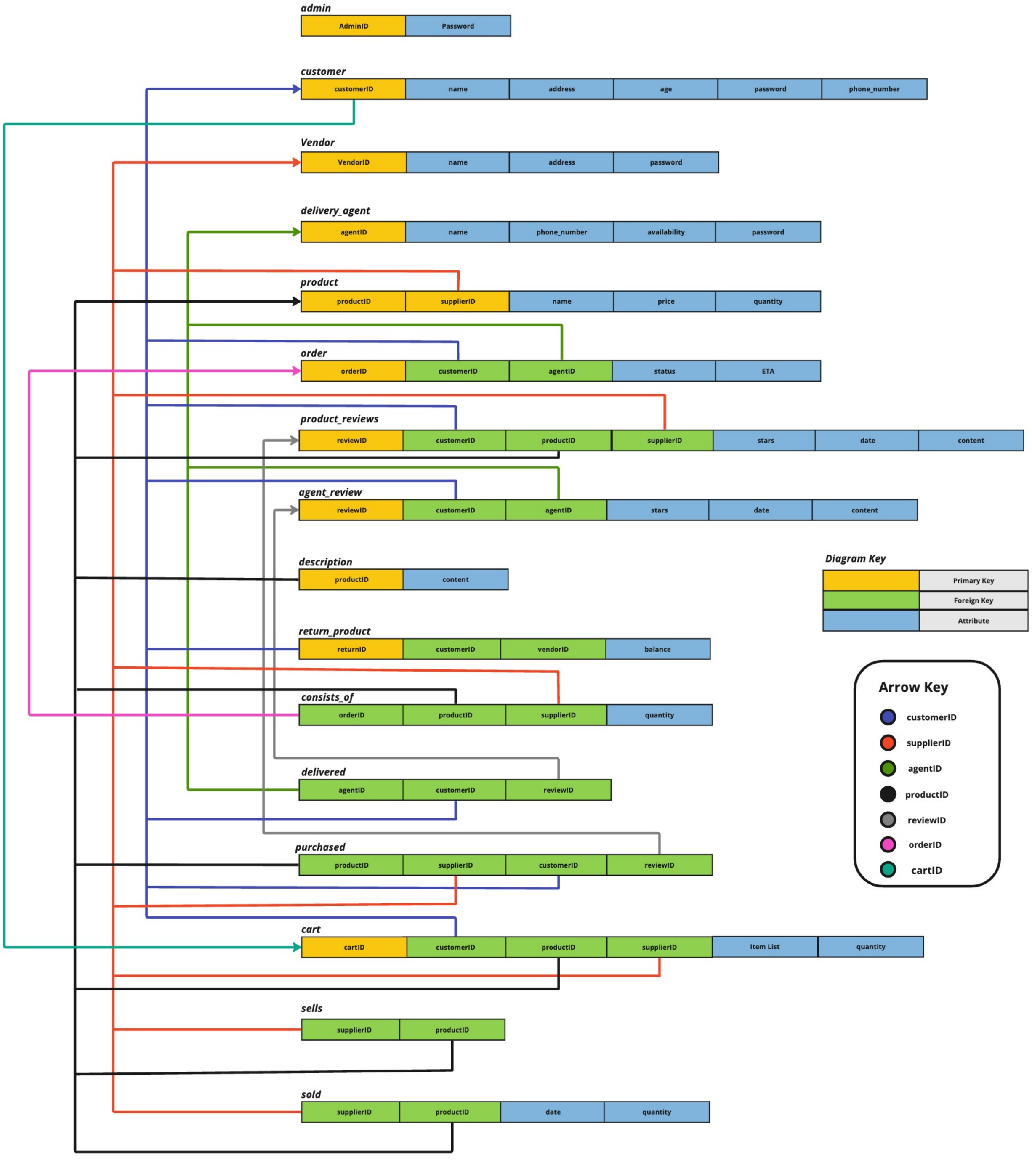
Relationship Model:

Relational Model Relationship Models are used to represent how data will be stored in the database, along with the attributes of each entity and relationship. The Relational Model is designed in accordance with the assumptions and constraints as mentioned in the document above. Note: The arrows represent that a field is derived from another. For example, productID in description will contain values of productID from table product.

Link: Link for Relationship Model

Members Contribution:

- Nishant Kumar (2022326)- Entity-Relationship Model-Customer and Handling part, Relational Model- admin, customer, vendor, and delivery_agent.
- Akash Kumar (2022048)- Entity-Relationship Model- cart, order, product, vendor and rest of the things.
- Naman Singh (2022312)- Relational Model- product, order, product_review, agent_review, desription and rest of the things.


admin
AdminID
Password
customer
customerID
name
address
age
password
phone_number
Vendor
VendorID
name
address
password
delivery_agent
agentID
name
phone_number
availability
password
product
productID
supplierID
name
price
quantity
order
orderID
customerID
agentID
status
ETA
product_reviews
reviewID
customerID
productID
supplierID
stars
date
content
agent_review
reviewID
customerID
agentID
stars
date
content
description
productID
content
return_product
returnID
customerID
vendorID
balance
consists_of
orderID
productID
supplierID
quantity
delivered
agentID
customerID
reviewID
purchased
productID
supplierID
customerID
reviewID
cart
cartID
customerID
productID
supplierID
Item List
quantity
sells
supplierID
productID
sold
supplierID
productID
date
quantity
Diagram Key
Primary Key
Foreign Key
Attribute
Arrow Key
customerID
supplierID
agentID
productID
reviewID
orderID
cartID