# Artemis Pharmacy
## Rajorshi Mondal | Udit IIITD

## ER Diagram

**Invoice**
- Invoice ID
- { Product List }
- Customer Name
- Amount
- Mode of Payment
- Date and Time
- Branch ID

**HQ**
- Name
- Address
  - Building No.
  - Locality
  - City
  - State
  - Pincode
- { Branch List }
- Sales
- { Contact No. }
- Email
- Expenditure
- Profit
- { Supplier List }

**Supplier**
- Supplier ID
- Company Name
- { Contact No. }
- Email
- Address
  - Building No.
  - Locality
  - City
  - State
  - Pincode
- Person of Contact
- Registration Date
- { Category of Products }

**Patient**
- Patient ID
- Name
  - First Name
  - Last Name
- Age
- Gender
- Address
  - House No.
  - Locality
  - City
  - State
  - Pincode
- { Contact No. }
- Email
- { Prescriptions }
- Registration Date
- { Purchases }
- Membership

**Pharmacy Branch**
- Branch ID
- Address
  - Shop No.
  - Locality
  - City
  - State
  - Pincode
- { Contact No. }
- Email
- Branch Manager
- No. of Employees
- { Suppliers }

**Employee**
- Employee ID
- Name
  - First Name
  - Last Name
- Age
- Position
- Email
- Address
  - House No.
  - Locality
  - City
  - State
  - Pincode
- { Contact No. }
- Date of Joining
- Qualification
- Experience
- Salary

**Doctor**
- Doctor ID
- Name
  - First Name
  - Last Name
- { Contact No. }
- Email
- Educational Qualification
- Experience
- Specialization
- Registration

**Product**
- Product ID
- Name
- Description
- Category
- Unit Price
- Stock
- Reorder Level
- Supplier ID
- Manufacture Date
- Expiration Date

Relationships: Generate, Receives, Owns, Supplies, Supervisor, Manages, Supervisee, Visit, Work, Sells, Purchases, Treat, Prescribe, Manufacture
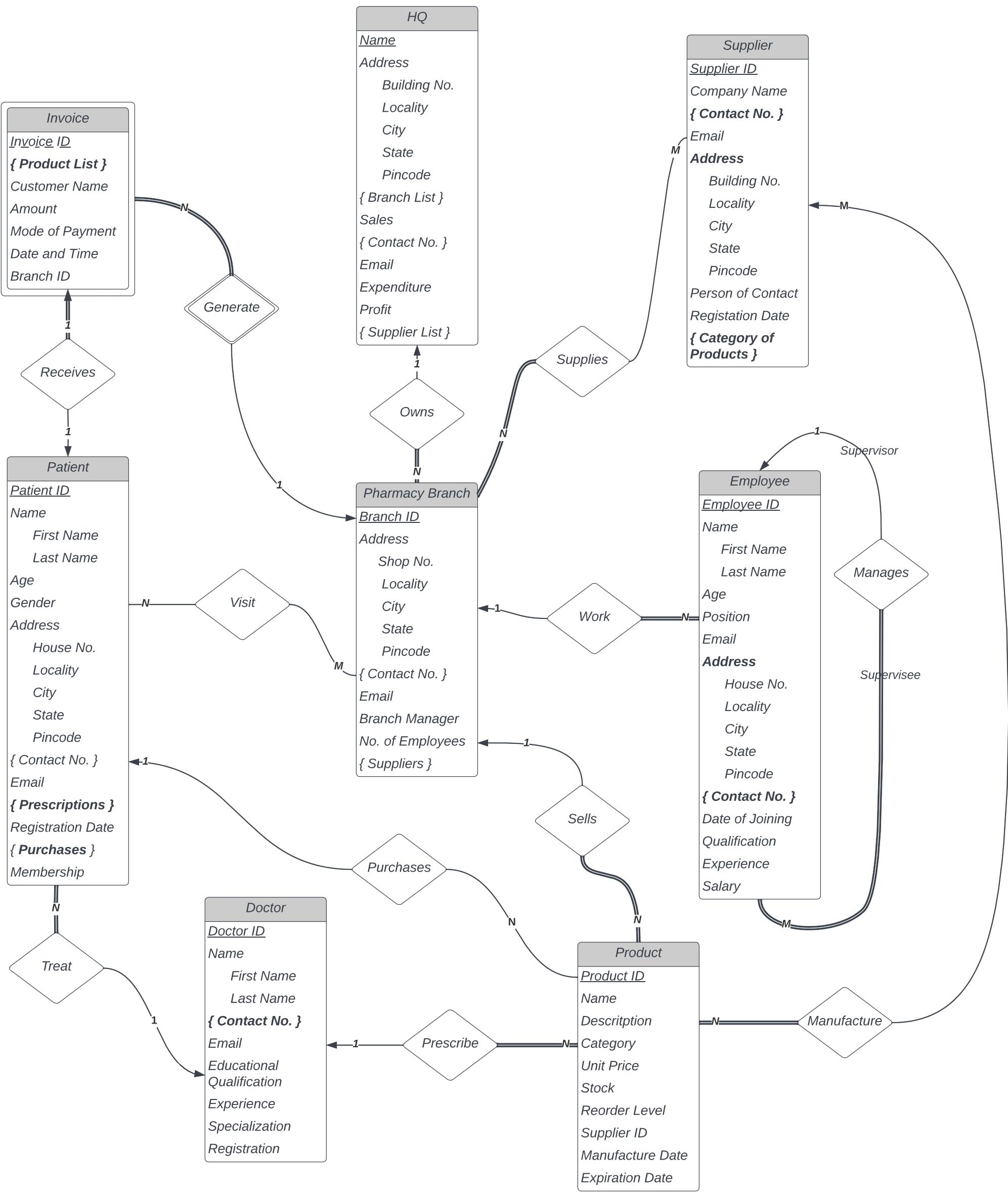
## Relational Model

**Green : Foreign Key**
**Orange: Primary key**

**HQ**

| Name | Building_No | Locality | City | State | Pincode | Branch_List | Sales | Contact_No. | Email | Expenditure | Profit | Supplier_List |
|---|---|---|---|---|---|---|---|---|---|---|---|---|

**Pharmacy branch**

| Branch_ID | Shop_No | Locality | City | State | Pincode | Contact_No. | Email | Branch_Manager | No_of_Employees | Suppliers |
|---|---|---|---|---|---|---|---|---|---|---|

**Product**

| Product_ID | Name | Description | Category | Unit_Price | Stock | Reorder_Level | Supplier_ID | Manufacture_Date | Expiration_Date |
|---|---|---|---|---|---|---|---|---|---|

**Manufacture**

| Product_List | Manufacture_Date | Supplier_ID |
|---|---|---|

**Invoice**

| Invoice_ID | Product_List | Customer_ID | Customer_Name | Amount | Mode_of_Payment | Time | Branch_ID |
|---|---|---|---|---|---|---|---|

**Visit**

| Registration_Date | Branch_ID |
|---|---|

**Patient**

| Patient_ID | First_Name | Last_Name | Age | Gender | Building_No | Locality | City | State | Pincode | Purchases | Membership |
|---|---|---|---|---|---|---|---|---|---|---|---|

**Employee**

| Employee_ID | First_Name | Last_Name | Age | Position | Email | Contact_No. | Date_of_Joining | Qualification | Experience | Salary | Branch ID |
|---|---|---|---|---|---|---|---|---|---|---|---|

**Doctor**

| Doctor_ID | First_Name | Last_Name | Contact_No. | Email | Educational_Qualification | Experience | Specialization | Registration |
|---|---|---|---|---|---|---|---|---|

**Supplier**

| Supplier_ID | Name | Contact_No. | Email | Building_No | Locality | City | State | Pincode | Person_of_Contact | Registration_Date | Category_of_Products |
|---|---|---|---|---|---|---|---|---|---|---|---|

**Supplies**

| Supplier_ID | Branch_Manager | Branch_ID |
|---|---|---|

**ProductToPatient**

| Invoice_ID | Branch_ID | Product_ID | Product_ID |
|---|---|---|---|

**SupplierToProduct**

| Supplier_ID | Product_ID |
|---|---|