Table Schemas and Relationships

Customers Table

- **customer_id**: INT (Primary Key)
- **first_name**: VARCHAR(50)
- **last_name**: VARCHAR(50)
- **date_of_birth**: DATE
- **email**: VARCHAR(100)
- **phone**: BIGINT
- **address**: VARCHAR(255)
- **city**: VARCHAR(50)
- **state**: VARCHAR(50)
- **zip_code**: INT
- **created_at**: TIMESTAMP

Accounts Table

- **account_number**: BIGINT (Primary Key)
- **customer_id**: INT (Foreign Key referencing Customers.customer_id)
- **account_type**: ENUM("Savings", "Current", "Salary", "OverDraft")
- **balance**: DECIMAL(15, 2)
- **branch_id**: INT (Foreign Key referencing Branches.branch_id)
- **created_at**: TIMESTAMP

Transactions Table

- **transaction_id**: INT (Primary Key)
- **account_number**: BIGINT (Foreign Key referencing Accounts.account_number)
- **transaction_type**: ENUM("Deposit", "Withdrawal", "Transfer")
- **amount**: DECIMAL(15, 2)
- **transaction_date**: TIMESTAMP

Branches Table

- **branch_id**: INT (Primary Key)
- **branch_name**: VARCHAR(50)
- **branch_address**: VARCHAR(255)
- **branch_location**: ENUM("Rural", "Urban")
- **city**: VARCHAR(50)
- **state**: VARCHAR(50)
- **zip_code**: INT
- **phone**: BIGINT
- **manager_id**: INT (Foreign Key referencing Employees.employee_id)

Employees Table

- **employee_id**: INT (Primary Key)
- **first_name**: VARCHAR(50)
- **last_name**: VARCHAR(50)
- **email**: VARCHAR(100)
- **phone**: BIGINT
- **hire_date**: DATE
- **position**: VARCHAR(50)
- **branch_id**: INT (Foreign Key referencing Branches.branch_id)

Updated Relationships

- **Customers** to **Accounts**: One-to-Many (One customer can have multiple accounts, but an account belongs to one customer).
- **Accounts** to **Transactions**: One-to-Many (One account can have multiple transactions, but a transaction belongs to one account).
- **Branches** to **Accounts**: One-to-Many (One branch can have multiple accounts, but an account belongs to one branch).

- **Branches** to **Employees**: One-to-Many (One branch can have multiple employees, but an employee works at one branch).