| **Entity** | **Attributes** | **Relationships** |
| --- | --- | --- |
| **User** | UserId (PK), FullName, Email, PasswordHash, UserType | One-to-Many with Account, One-to-Many with Login, Many-to-Many with Role (via UserRole) |
| **Role** | RoleId (PK), RoleName, Description | Many-to-Many with User (via UserRole), Many-to-Many with Permission (via RolePermission) |
| **Permission** | PermissionId (PK), PermissionName, Description | Many-to-Many with Role (via RolePermission) |
| **UserRole** | UserId (FK), RoleId (FK) | Junction table between User and Role |
| **RolePermission** | RoleId (FK), PermissionId (FK) | Junction table between Role and Permission |
| **Bank** | BankId (PK), BankName, IFSCCode | One-to-Many with Branch |
| **Branch** | BranchId (PK), BranchName, Address, BankId (FK) | Many-to-One with Bank, One-to-Many with Account |
| **Account** | AccountId (PK), AccountNumber, AccountType, Balance, Currency, IsMinor, IsPOA, UserId (FK), BranchId (FK) | Many-to-One with User, Many-to-One with Branch, One-to-Many with Transaction |
| **Transaction** | TransactionId (PK), AccountId (FK), Amount, TransactionType, TransactionDate, Status | Many-to-One with Account |
| **Login** | LoginId (PK), UserId (FK), LoginTime, Token | Many-to-One with User |

**Entity Structure Overview**