

Normalized DDL Statements

September 28, 2024

1 Schema Creation

```
CREATE SCHEMA realEstate;  
  
SET search_path TO realEstate;
```

2 Table Creation Statements

2.1 User Table

```
-- Table: user  
CREATE TABLE user (  
    userId INT PRIMARY KEY,  
    username VARCHAR(100) NOT NULL,  
    password VARCHAR(100) NOT NULL,  
    emailId VARCHAR(100) UNIQUE NOT NULL  
);  
  
-- Table: wishlist  
CREATE TABLE wishlist (  
    wishlistId INT,  
    userId INT NOT NULL,  
    PRIMARY KEY (userId, wishlistId),  
    FOREIGN KEY (userId) REFERENCES user(userId)  
        ON DELETE CASCADE  
        ON UPDATE CASCADE,  
    FOREIGN KEY (wishlistId) REFERENCES property(propertyId)  
        ON DELETE CASCADE  
        ON UPDATE CASCADE  
);
```

2.2 Seller Table

```
CREATE TABLE seller (  
    sellerId INT PRIMARY KEY,  
    userId INT UNIQUE,
```

```

mobileNumber VARCHAR(15) NOT NULL,
accountNumber INT DEFAULT NULL,
FOREIGN KEY (userId) REFERENCES user(userId)
    ON DELETE CASCADE
    ON UPDATE CASCADE,
FOREIGN KEY (accountNumber) REFERENCES bankDetails(
    accountNumber)
    ON DELETE SET NULL
    ON UPDATE CASCADE
);

```

2.3 BankDetails Table

```

CREATE TABLE bankDetails (
    accountNumber VARCHAR(30) PRIMARY KEY,
    accountHolderName VARCHAR(100) NOT NULL,
    ifscCode VARCHAR(20) NOT NULL,
    bankName VARCHAR(50) NOT NULL,
    accountType VARCHAR(20) CHECK (accountType IN ('Savings', '
    Current')),
    upiId VARCHAR(50)
);

```

2.4 Property Table

```

CREATE TABLE property (
    propertyId INT PRIMARY KEY,
    sellerId INT,
    price DECIMAL(18,2) NOT NULL CHECK (price > 0),
    FOREIGN KEY (sellerId) REFERENCES seller(sellerId)
    ON DELETE CASCADE
    ON UPDATE CASCADE,
);

```

2.5 PropertyDetails Table

```

-- Table: propertyDetails
CREATE TABLE propertyDetails (
    propertyDetailId INT PRIMARY KEY,
    propertyType VARCHAR(100),
    propertyId INT UNIQUE,
    propertyAvailability VARCHAR(50) CHECK (propertyAvailability IN
    ('On rent', 'On sell')),
    otherDetails TEXT,
    FOREIGN KEY (propertyId) REFERENCES property(propertyId)
    ON DELETE CASCADE
    ON UPDATE CASCADE
);

-- Table: propertyImages
CREATE TABLE propertyImages (

```

```
propertyId INT,  
image VARCHAR(255) NOT NULL, -- Image URL or path  
PRIMARY KEY (propertyId, image),  
FOREIGN KEY (propertyId) REFERENCES propertyDetails(propertyId)  
    ON DELETE CASCADE  
    ON UPDATE CASCADE  
);
```

2.6 PropertyAddress Table

```
CREATE TABLE propertyAddress (  
    propertyAddressId INT PRIMARY KEY,  
    propertyId INT UNIQUE,  
    state VARCHAR(50),  
    district VARCHAR(50),  
    city VARCHAR(50),  
    street VARCHAR(100),  
    landmark VARCHAR(100),  
    pincode VARCHAR(10),  
    country VARCHAR(50),  
    FOREIGN KEY (propertyId) REFERENCES property(propertyId)  
        ON DELETE CASCADE  
        ON UPDATE CASCADE,  
);
```

2.7 Review Table

```
CREATE TABLE review (  
    reviewId INT PRIMARY KEY,  
    propertyId INT,  
    rating INT CHECK (rating BETWEEN 1 AND 5),  
    description TEXT,  
    FOREIGN KEY (propertyId) REFERENCES property(propertyId)  
        ON DELETE CASCADE  
        ON UPDATE CASCADE  
);
```