WATER MANAGEMENT SYSTEM

SCHEMA:

Below is the Schema for the relational database, which has two tables namely "User" and "Consumption".

'UserID' column in the "Consumption" table is a foreign key that references the 'UserID' column in the "Users" table.

```
CREATE TABLE Users (
    HouseNO INT PRIMARY KEY,
    UserName VARCHAR(50),
    PhoneNumber VARCHAR(20),
    HeadCount INT,
    Email VARCHAR(100),
    PasswordHash VARCHAR(255)
);
CREATE TABLE Consumption (
    HouseNO INT,
    Quantity INT,
    FromTime TIME,
    ToTime TIME,
    Date DATE,
    FOREIGN KEY (HouseNO) REFERENCES Users(HouseNO)
);
```

```
CREATE TABLE Users (
                                          CREATE TABLE Consumption (
  HouseNO INT PRIMARY KEY,
                                            HouseNO INT,
  UserName VARCHAR(50),
                                            Quantity INT,
  PhoneNumber VARCHAR(20),
                                            FromTime TIME,
  HeadCount INT,
                                           ToTime TIME,
  Email VARCHAR(100),
                                            Date DATE,
  PasswordHash VARCHAR(255)
                                            FOREIGN KEY (HouseNO) REFERENCES
                                          Users(HouseNO)
);
                                          );
```

ARCHITECTURE:

