-- Users Table

CREATE TABLE Users (

user\_id INT AUTO\_INCREMENT PRIMARY KEY,

username VARCHAR(255) NOT NULL,

password VARCHAR(255) NOT NULL,

UNIQUE(username)

);

-- Month Table

CREATE TABLE Month (

month\_id INT AUTO\_INCREMENT PRIMARY KEY,

month VARCHAR(5) NOT NULL UNIQUE -- Format: mm/yy

);

-- Budgets Table

CREATE TABLE Budgets (

budget\_id INT AUTO\_INCREMENT PRIMARY KEY,

month\_id INT NOT NULL,

user\_id INT NOT NULL,

budget\_criteria VARCHAR(255) NOT NULL,

amount DECIMAL(10, 2) NOT NULL,

FOREIGN KEY (month\_id) REFERENCES Month(month\_id),

FOREIGN KEY (user\_id) REFERENCES Users(user\_id)

CONSTRAINT UC\_Budgets UNIQUE (budget\_criteria, user\_id, month\_id)

);

CREATE TABLE Expenses (

expense\_id INT AUTO\_INCREMENT PRIMARY KEY,

month\_id INT NOT NULL,

user\_id INT NOT NULL,

budget\_criteria\_id INT NOT NULL,

spent\_amount DECIMAL(10, 2) NOT NULL,

FOREIGN KEY (month\_id) REFERENCES Month(month\_id),

FOREIGN KEY (user\_id) REFERENCES Users(user\_id),

FOREIGN KEY (budget\_criteria\_id) REFERENCES Budgets(budget\_id)

);

Insert into months 1-12

Set default for spent\_amount as 0