**Group 1**

Wiki link: <https://github.com/tejakumarsai6309/44691-03-GDP-team1/wiki/Seed-Data>

**Seed Data**

1. **Use the Database Management System (DBMS) interface:** Using your favorite interface, log into your database management system. This might be done using any tool that lets you work with your database, such as a graphical user interface like MySQL workbench, or a command-line interface like MySQL Command Line Client.
2. **Construct a New Database (if Necessary):** You may need to construct a database if you haven't previously for your application. Create a new database by using the relevant SQL statement.

CREATE DATABASE dummy\_database;

1. **Switch to the Desired Database:**

Once the database is created, switch to it using the appropriate command.

USE dummy\_database;

1. **Run the SQL Queries:** Copy the SQL queries that are supplied in order to create tables and input sample data. Copy and paste these into your database interface, then run each one individually. As a result, the required tables will be generated and filled with sample data.



-- Creating User Table

CREATE TABLE Users (

UserID INTEGER PRIMARY KEY,

Username VARCHAR(50),

Email VARCHAR(100),

Password VARCHAR(255),

Role VARCHAR(100)

);

-- Sample data for Users table

INSERT INTO Users (UserID, Username, Email, Password, Role) VALUES

(1, 'john\_doe', 'john.doe@example.com', 'hashedpassword1', 'team leader'),

(2, 'jane\_smith', 'jane.smith@example.com', 'hashedpassword2', 'team member'),

(3, 'bob\_jones', 'bob.jones@example.com', 'hashedpassword3', 'team member');

-- Creating Task Table

CREATE TABLE Tasks (

TaskID INTEGER PRIMARY KEY,

Description TEXT,

Priority VARCHAR(100),

Deadline DATETIME,

Status VARCHAR(100),

AssignedTo INTEGER,

FOREIGN KEY (AssignedTo) REFERENCES Users(UserID)

);

-- Sample data for Tasks table

INSERT INTO Tasks (TaskID, Description, Priority, Deadline, Status, AssignedTo) VALUES

(1, 'Complete project proposal', 'High', '2024-06-01 12:00:00', 'In Progress', 2),

(2, 'Review code changes', 'Medium', '2024-05-20 18:00:00', 'Pending', 2),

(3, 'Prepare presentation slides', 'Low', '2024-05-25 15:00:00', 'completed', 3);

-- Creating TaskAssignments Table

CREATE TABLE TaskAssignments (

AssignmentID INTEGER PRIMARY KEY,

TaskID INTEGER,

UserID INTEGER,

FOREIGN KEY (TaskID) REFERENCES Tasks(TaskID),

FOREIGN KEY (UserID) REFERENCES Users(UserID)

);

-- Sample data for TaskAssignments table

INSERT INTO TaskAssignments (AssignmentID, TaskID, UserID) VALUES

(1, 1, 2),

(2, 2, 2),

(3, 3, 3);

-- Creating Sessions Table

CREATE TABLE Sessions (

SessionID INTEGER PRIMARY KEY,

UserID INTEGER,

Timestamp DATETIME,

FOREIGN KEY (UserID) REFERENCES Users(UserID)

);

-- Sample data for Sessions table

INSERT INTO Sessions (SessionID, UserID, Timestamp) VALUES

(1, 1, '2024-05-15 09:00:00'),

(2, 2, '2024-05-16 10:30:00'),

(3, 3, '2024-05-17 14:45:00');

-- Creating Logs Table

CREATE TABLE Logs (

ID INTEGER PRIMARY KEY,

UserID INTEGER,

Action TEXT,

Timestamp DATETIME,

FOREIGN KEY (UserID) REFERENCES Users(UserID)

);

-- Sample data for Logs table

INSERT INTO Logs (ID, UserID, Action, Timestamp) VALUES

(1, 1, 'Task created', '2024-05-15 09:15:00'),

(1, 1, 'Task assigned', '2024-05-15 09:120:00'),

(2, 2, 'Task viewed', '2024-05-16 11:00:00'),

(2, 2, 'Task inProgress', '2024-05-16 11:00:00'),

(3, 3, 'Task completed', '2024-05-17 15:00:00');

-- Creating Reminder Table

CREATE TABLE Reminder (

rem\_ID INTEGER PRIMARY KEY,

Task\_ID INTEGER,

reminderTime TIMESTAMP,

FOREIGN KEY (Task\_ID) REFERENCES Tasks(TaskID)

);

-- Sample data for Reminder table

INSERT INTO Reminder (rem\_ID, Task\_ID, reminderTime) VALUES

(1, 1, '2024-05-30 10:00:00'),

(2, 2, '2024-05-18 09:00:00');

1. **Verify the Data:** Run SELECT queries to confirm that the data has been successfully entered into the tables following the execution of the SQL queries.

SELECT \* FROM Users;

SELECT \* FROM Tasks;

SELECT \* FROM TaskAssignments;

SELECT \* FROM Sessions;

SELECT \* FROM Logs;

SELECT \* FROM Reminder;