CREATE DATABASE project\_management\_system;

CREATE TABLE user(

    user\_id INT(11) PRIMARY KEY NOT NULL AUTO\_INCREMENT,

    username VARCHAR(30) NOT NULL UNIQUE,

    password VARCHAR(30) NOT NULL,

    first\_name VARCHAR(30) NOT NULL,

    last\_name VARCHAR(30),

    email VARCHAR(30) NOT NULL,

    user\_type VARCHAR(10) NOT NULL

);

CREATE TABLE company(

    company\_id INT(11) PRIMARY KEY NOT NULL AUTO\_INCREMENT,

    company\_name VARCHAR(30) NOT NULL,

    company\_email VARCHAR(30) NOT NULL,

    company\_username VARCHAR(30) NOT NULL,

    company\_password VARCHAR(30) NOT NULL

);

CREATE TABLE stake\_holders(

    primary\_sh\_name VARCHAR(20) PRIMARY KEY NOT NULL,

    primary\_sh\_sponsors INT(11) NOT NULL AUTO\_INCREMENT,

    sh\_ID INT(11) NOT NULL,

    requirement\_update DATE NOT NULL,

    sh\_budget FLOAT(11) NOT NULL,

    company\_email VARCHAR(30) NOT NULL,

    project\_id INT(11) NOT NULL,

    project\_member\_id INT(11) NOT NULL,

    FOREIGN KEY (company\_email) REFERENCES company\_email(company\_ID),

    FOREIGN KEY (project\_id) REFERENCES project(project\_id),

    FOREIGN KEY (project\_member\_id) REFERENCES project\_member(project\_member\_id)

);

CREATE TABLE project(

    project\_id INT(11) PRIMARY KEY NOT NULL AUTO\_INCREMENT,

    company\_id INT(11) NOT NULL,

    project\_name VARCHAR(50) NOT NULL,

    project\_code VARCHAR(15) NOT NULL,

    project\_description VARCHAR(100) NOT NULL,

    project\_manager\_id INT(11) NOT NULL,

    project\_budget FLOAT(11) NOT NULL,

    project\_start\_date DATE NOT NULL,

    project\_end\_date DATE NOT NULL,

    project\_bulletin\_board VARCHAR(30) NOT NULL,

    FOREIGN KEY (project\_manager\_id) REFERENCES project\_manager(project\_manager\_id),

    FOREIGN KEY (company\_id) REFERENCES company(company\_id)

);

CREATE TABLE project\_manager(

    project\_manager\_id INT(11) PRIMARY KEY NOT NULL AUTO\_INCREMENT,

    Project\_id INT(11) NOT NULL,

    project\_manager\_code VARCHAR(15) NOT NULL,

    project\_manager\_name VARCHAR(50) NOT NULL,

    project\_manager\_email VARCHAR(30) NOT NULL,

    project\_manager\_username VARCHAR(30) NOT NULL,

    project\_manager\_password VARCHAR(30) NOT NULL,

    project\_manager\_salary FLOAT(11) NOT NULL

    FOREIGN KEY (project\_id) REFERENCES project(project\_id)

);

CREATE TABLE supervisor(

    supervisor\_master\_id INT(11) PRIMARY KEY NOT NULL AUTO\_INCREMENT,

    supervisor\_id INT(11) NOT NULL,

    supervisor\_code VARCHAR(15) NOT NULL,

    supervisor\_name VARCHAR(50) NOT NULL,

    supervisor\_email VARCHAR(30) NOT NULL,

    supervisor\_username VARCHAR(30) NOT NULL,

    supervisor\_password VARCHAR(30) NOT NULL,

    supervisor\_salary FLOAT(11) NOT NULL,

    project\_id INT(11) NOT NULL,

    FOREIGN KEY (project\_id) REFERENCES project(project\_id)

);

CREATE TABLE project\_member\_assignment(

    project\_id INT(11) NOT NULL,

    project\_member\_id INT(11) NOT NULL,

    FOREIGN KEY (project\_id) REFERENCES project(project\_id),

    FOREIGN KEY (project\_member\_id) REFERENCES project\_member(project\_member\_id)

);

CREATE TABLE project\_member(

    project\_member\_id INT(11) PRIMARY KEY NOT NULL AUTO\_INCREMENT,

    project\_member\_code VARCHAR(15) NOT NULL,

    project\_member\_name VARCHAR(50) NOT NULL,

    project\_member\_email VARCHAR(30) NOT NULL,

    project\_member\_username VARCHAR(30) NOT NULL,

    project\_member\_password VARCHAR(30) NOT NULL,

    project\_member\_salary FLOAT(11) NOT NULL

);

CREATE TABLE project\_updates(

    update\_id INT(11) PRIMARY KEY NOT NULL AUTO\_INCREMENT,

    update\_code VARCHAR(15) NOT NULL,

    date\_of\_update DATE NOT NULL,

    project\_id INT(11) NOT NULL,

    project\_member\_id INT(11) NOT NULL,

    hours\_contributed FLOAT(11),

    FOREIGN KEY (project\_id) REFERENCES project(project\_id),

    FOREIGN KEY (project\_member\_id) REFERENCES project\_member(project\_member\_id)

);

CREATE TABLE employees(

    SSN INT(9) PRIMARY KEY NOT NULL AUTO\_INCREMENT,

    Name VARCHAR(50) NOT NULL,

    Salary FLOAT(11) NOT NULL,

    Place\_of\_Birth DATE NOT NULL,

    Address VARCHAR(50) NOT NULL,

    Phone\_number INT(10) NOT NULL

    FOREIGN KEY (SSN) REFERENCES project\_manager(SSN),

    FOREIGN KEY (Name) REFERENCES project\_manager(Name)

FOREIGN KEY (SSN) REFERENCES Supervisor(SSN),

    FOREIGN KEY (Name) REFERENCES supervisor(Name)

);