

CREATE TABLE Roles (

role\_id INT PRIMARY KEY,

name VARCHAR(50)

);

CREATE TABLE Users (

user\_id INT PRIMARY KEY,

first\_name VARCHAR(50),

last\_name VARCHAR(50),

email VARCHAR(100),

password VARCHAR(100),

role\_id INT,

FOREIGN KEY (role\_id) REFERENCES Roles(role\_id)

);

CREATE TABLE Projects (

project\_id INT PRIMARY KEY,

name VARCHAR(50),

start\_date DATE,

end\_date DATE

);

CREATE TABLE Tasks (

task\_id INT PRIMARY KEY,

name VARCHAR(50),

description VARCHAR(100),

start\_date DATE,

end\_date DATE,

project\_id INT,

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

);

CREATE TABLE TimeLogs (

time\_log\_id INT PRIMARY KEY,

hours FLOAT,

date DATE,

user\_id INT,

task\_id INT,

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

FOREIGN KEY (task\_id) REFERENCES Tasks(task\_id)

);

CREATE TABLE User\_Roles (

user\_id INT,

role\_id INT,

PRIMARY KEY (user\_id, role\_id),

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

FOREIGN KEY (role\_id) REFERENCES Roles(role\_id)

);