

```
CREATE DATABASE TimeMachineDB;
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```
CREATE TABLE TimeMachineDB.UserTask (staffID TEXT NOT NULL,  
taskID INT NOT NULL,  
date DATE NOT NULL,  
targetTime FLOAT NOT NULL,  
PRIMARY KEY (staffID, taskID),  
FOREIGN KEY (staffID) REFERENCES TimeMachineDB.Users(staffID),  
FOREIGN KEY (taskID) REFERENCES TimeMachineDB.Tasks(taskID));
```

```
CREATE TABLE TimeMachineDB.Tasks (taskID INT NOT NULL,  
description TEXT NOT NULL,  
PRIMARY KEY (taskID));
```

```
CREATE TABLE TimeMachineDB.Roles (roleID INT NOT NULL,  
description TEXT NOT NULL,  
permissions INT NOT NULL,  
PRIMARY KEY (roleID));
```

```
CREATE TABLE TimeMachineDB.Users (staffID TEXT NOT NULL,  
password TEXT NOT NULL,  
fullName TEXT NOT NULL,  
roleID INT NOT NULL,  
groupID INT NOT NULL,  
PRIMARY KEY (staffID),  
FOREIGN KEY (roleID) REFERENCES TimeMachineDB.Roles (roleID),  
FOREIGN KEY (groupID) REFERENCES TimeMachineDB.Groups(groupID));
```

```
CREATE TABLE TimeMachineDB.Groups (groupID INT NOT NULL,  
description TEXT NOT NULL,  
PRIMARY KEY (groupID));
```

```
CREATE TABLE TimeMachineDB.FavouriteWBSS (WBSCode TEXT NOT NULL,  
PRIMARY KEY (WBSCode));
```

```
CREATE TABLE TimeMachineDB.Locations (locationID INT NOT NULL,  
description TEXT NOT NULL,  
PRIMARY KEY (locationID));
```

```
CREATE TABLE TimeMachineDB.Contracts (contractID INT NOT NULL,  
description TEXT NOT NULL,  
PRIMARY KEY (contractID));
```

```
CREATE TABLE TimeMachineDB.Reasons (reasonID INT NOT NULL,  
description TEXT NOT NULL,  
PRIMARY KEY (reasonID));
```

```
CREATE TABLE TimeMachineDB.Rates (rateID INT NOT NULL,  
description TEXT NOT NULL,  
PRIMARY KEY (rateID));
```

```
CREATE TABLE TimeMachineDB.ReasonsCannotDone (reasonCannotDoneID INT NOT NULL,  
description TEXT NOT NULL,  
PRIMARY KEY (reasonCannotDoneID));
```

```
CREATE TABLE TimeMachineDB.Overtimes (overTimeID INT NOT NULL,  
date DATE NOT NULL,  
timeStart TIME NOT NULL,  
duration FLOAT NOT NULL,  
retrospective BOOLEAN NOT NULL,  
USDTicket TEXT NOT NULL,  
WBSCode TEXT NOT NULL,  
reasonForm TEXT NOT NULL,  
projectManager TEXT NOT NULL,  
travelCost CONCURRENCY NOT NULL,  
callOut CONCURRENCY NOT NULL,  
staffID TEXT NOT NULL,  
locationID INT NOT NULL,  
contractID INT NOT NULL,  
reasonID INT NOT NULL,  
reasonCannotDoneID INT NOT NULL,  
rateID INT NOT NULL,  
PRIMARY KEY (overTimeID),  
FOREIGN KEY (staffID) REFERENCES TimeMachineDB.Users (staffID) ,  
FOREIGN KEY (locationID) REFERENCES TimeMachineDB.Locations(locationID),  
FOREIGN KEY (contractID) REFERENCES TimeMachineDB.Contracts(contractID),  
FOREIGN KEY (reasonID) REFERENCES TimeMachineDB.Reasons (reasonID) ,  
FOREIGN KEY (rateID) REFERENCES TimeMachineDB.Rates (rateID) ,  
FOREIGN KEY (reasonCannotDoneID)  
REFERENCES TimeMachineDB. reasonCannotDone (reasonCannotDoneID));
```