**ПРИЛОЖЕНИЕ Г**

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| USE [master]  GO  CREATE DATABASE [Master\_CarManager]  GO  USE [Master\_CarManager]  GO  CREATE TABLE Users(  UserId uniqueidentifier not null DEFAULT newid(),  Sex nvarchar(1) check (sex in ('m','f')) not null,  Birthday date not null,  Name nvarchar(20) not null,  Lastname nvarchar(20) not null,  Patronymic nvarchar(30) not null,  Address nvarchar(60) not null,  Phone nvarchar(20),  City nvarchar(20) not null,  photo varbinary(max),  Constraint PK\_Users Primary key(userId)  );  CREATE TABLE Cars(  CarId uniqueidentifier not null DEFAULT newid(),  TypeFuel varchar(20) not null,  TypeTransmission varchar(20) not null,  Mark varchar(20) not null,  Model varchar(20) not null,  VolumeEngine int not null,  Power int not null,  Active bit default(1),  VIN varchar(17) unique not null,  Comment varchar(17),  photo varbinary(max),  YearIssue int not null check (YearIssue <= Year(getDate())),  Constraint PK\_Cars Primary key(CarId)  );  CREATE TABLE AUTHENTICATION(  idUser uniqueidentifier not null DEFAULT newid(),  Password nvarchar(32) not null,  Login nvarchar(50) not null,  LastModify date not null check (LastModify <= getDate()),  DisableUser bit default(0)  Constraint PK\_AUTHENTICATION Primary key(Login)  Constraint FK\_Authentication\_User foreign key(idUser) references Users(UserId)  );  CREATE TABLE UsersCars(  idUser uniqueidentifier not null,  idCar uniqueidentifier not null,  Constraint FK\_UserCars\_User foreign key(idUser) references Users(UserId),  Constraint FK\_UserCars\_Car foreign key(idCar) references Cars(CarId),  Constraint PK\_UsersCars Primary key(idUser,idCar)  );  CREATE TABLE TypeEvents(  TypeEventId uniqueidentifier not null DEFAULT newid(),  TypeName varchar(20) not null unique,  Constraint PK\_TypeEvents Primary key(TypeEventId)  );  CREATE TABLE CarEvents(  EventId uniqueidentifier not null DEFAULT newid(),  idTypeEvents uniqueidentifier not null,  idUser uniqueidentifier not null,  idCar uniqueidentifier not null,  Date date not null,  Costs money not null,  UnitPrice money,  Comment varchar(200),  Mileage bigint,  photo varbinary(max),  AddressStation varchar(100),  Constraint FK\_Events\_TypeEvents foreign key(idTypeEvents) references TypeEvents(TypeEventId),  Constraint FK\_Events\_User foreign key(idUser) references Users(UserId),  Constraint FK\_Events\_Car foreign key(idCar) references Cars(CarId),  Constraint PK\_Events Primary key(EventId)  );  CREATE TABLE Fuels(  FuelId uniqueidentifier not null DEFAULT newid(),  idEvent uniqueidentifier not null,  Volume real not null,  Constraint FK\_Fuels\_Events foreign key(idEvent) references CarEvents(EventId) on delete cascade,  Constraint PK\_Fuels Primary key(FuelId)  );  CREATE TABLE TypeServices(  TypeServiceId uniqueidentifier not null DEFAULT newid(),  TypeName varchar(20) not null unique,  Constraint PK\_TypeService Primary key(TypeServiceId)  );  CREATE TABLE CarServices(  ServiceId uniqueidentifier not null DEFAULT newid(),  idEvent uniqueidentifier not null,  idTypeService uniqueidentifier not null,  Name varchar(100),  Constraint FK\_Services\_Events foreign key(idEvent) references CarEvents(EventId) on delete cascade,  Constraint FK\_Services\_TypeServices foreign key(idTypeService) references TypeServices(TypeServiceId),  Constraint PK\_Service Primary key(ServiceId)  );  CREATE TABLE Details(  DetailId uniqueidentifier not null DEFAULT newid(),  idCar uniqueidentifier DEFAULT newid(),  idService uniqueidentifier not null,  Name varchar(100),  Type varchar(100),  Constraint FK\_Details\_Cars foreign key(idCar) references Cars(CarId),  Constraint PK\_Details Primary key(DetailId),  Constraint FK\_Details\_Service foreign key(idService) references CarServices(ServiceId) on delete cascade,  );  CREATE TABLE ActionAudit(  Entity varchar(50) not null,  EntityId uniqueidentifier not null,  IdUser uniqueidentifier not null,  Action varchar(20) not null,  DateUpdate VARCHAR(50) not null  Constraint PK\_ActionAudit Primary key(EntityId,DateUpdate,IdUser)  Constraint FK\_ActionAudit\_User foreign key(idUser) references Users(UserId),  ); |