ПРИЛОЖЕНИЕ Ж.СКРИПТ БАЗЫ ДАННЫХ

АННОТАЦИЯ

В данном программном документе приведен скрипт базы данных приложения для курьеров службы курьерской доставки «DP Stuff Provider».

В данном программном документе, в разделе «Скрипт базы данных» указан скрипт базы данных и его описание.

СОДЕРЖАНИЕ

1. СКРИПТ БАЗЫ ДАННЫХ

1.1. Наименование скрипта

Наименование - «DPSPDBsql».

1.2. Область применения скрипта

Скрипт предназначен для создания и заполнения базы данных для мобильного приложения для курьеров службы курьерской доставки «DP Stuff Provider».

1.3. Скрипт

```
drop database [DPSP Api_db]
create database [DPSP Api_db]
use [DPSP Api_db]

create table PersonalInfo(
      id int primary key identity,
      lastName nvarchar(50) not null,
      firstName nvarchar(50) not null,
      patronymic nvarchar (50) null
);

create table Contacts(
      id int primary key identity,
      phone varchar(20) not null,
      email varchar(50) null
);

create table Client(
      id int primary key identity,
      login varchar(50) not null,
      password varbinary(32) not null,
      idPersonalInfo int not null,
      foreign key (idPersonalInfo) references PersonalInfo (id),
      idContacts int not null,
      foreign key (idContacts) references Contacts (id)
);

create table Courier(
      id int primary key identity,
      login varchar(50) not null,
      password varbinary(32) not null,
      orderQuantity int default 0,
      idPersonalInfo int not null,
      foreign key (idPersonalInfo) references PersonalInfo (id),
      idContacts int not null,
      foreign key (idContacts) references Contacts (id)
);

create table OrderStatus(
      id int primary key identity,
      name nvarchar(50)
);

create table AddressDelivery(
      id int primary key identity,
      address nvarchar(100) not null,
      frontDoor int null,
```

```sql
       apartmentNum int null,
       floorNum int null,
       intercom nvarchar(20) null
);

create table Ordered(
       id int primary key identity,
       orderDateTime datetime not null,
       deliveryDate date not null,
       deliveryTimeFrom time not null,
       deliveryTimeTo time not null,
       commentary nvarchar(max) null,
       summ float default 0,
       priority int default 5,
       idAddress int not null,
       foreign key (idAddress) references AddressDelivery (id),
       idClient int not null,
       foreign key (idClient) references Client (id),
       idCourier int null,
       foreign key (idCourier) references Courier (id),
       idOrderStatus int not null,
       foreign key (idOrderStatus) references OrderStatus (id)
);

create table OrderFinished(
       id int primary key identity,
       clientScore int null,
       commentary nvarchar(max) null,
       idOrder int not null,
       foreign key (idOrder) references Ordered (id)
);

create table StoreInfo(
       id int primary key identity,
       name nvarchar(50) not null,
       fullname nvarchar(100) not null,
       tin varchar(12) not null,
       bank nvarchar(100) not null,
       bic varchar(9) not null,
       email varchar(50) not null,
       phone varchar(20) not null,
       address nvarchar(100) not null
);

create table ProductAttribute(
       id int primary key identity,
       name nvarchar(50) not null
);

create table ProductCategory(
       id int primary key identity,
       name nvarchar(50) not null,
       imageUrl nvarchar(300) default '',
       idParentCategory int null,
       foreign key (idParentCategory) references ProductCategory (id)
);
--alter table ProductCategory add imageUrl nvarchar(300) default ''

create table Product(
       id int primary key identity,
       name nvarchar(50) not null,
       cost float not null,
       rating float default 0.0,
       avail bit default 1,
```

```
        idCategory int not null,
        foreign key (idCategory) references ProductCategory (id),
        idStoreInfo int not null,
        foreign key (idStoreInfo) references StoreInfo (id)
);

create table ProductImages(
        id int primary key identity,
        imageUrl nvarchar(max) not null,
        idProduct int not null,
        foreign key (idProduct) references Product (id)
);

create table ProductDescription(
        id int primary key identity,
        attrValue nvarchar(1000) not null,
        idProduct int not null,
        foreign key (idProduct) references Product (id),
        idProductAttribute int not null,
        foreign key (idProductAttribute) references ProductAttribute(id)
);

create table ProductCompos(
        id int primary key identity,
        quantity int not null,
        summ float not null,
        idProduct int not null,
        foreign key (idProduct) references Product (id),
        idOrder int not null,
        foreign key (idOrder) references Ordered (id)
);

create table ProductReview(
        id int primary key identity,
        clientScore int not null,
        commentary nvarchar(max) null,
        idProduct int not null,
        foreign key (idProduct) references Product (id),
        idClient int not null,
        foreign key (idClient) references Client (id)
);

create table ClientAddress(
        id int primary key identity,
        idClient int not null,
        foreign key (idClient) references Client (id),
        idAddress int not null,
        foreign key (idAddress) references AddressDelivery (id)
);


insert into PersonalInfo(lastName, firstName, patronymic) values
(N'Иванов', N'Иван', N'Иванович'),
(N'Суслин', N'Александр', N'Михайлович'),
(N'Комаров', N'Алексей', N'Олегович'),
(N'Железов', N'Андрей', null)

insert into Contacts(phone, email) values
('88005553535', 'example@mail.com'),
('89992222556', 'mail@example.ru'),
('89526545654', 'gmail@mpt.ru'),
('89255233535', 'examp13@gmail.com')

insert into Courier(login, password, idPersonalInfo, idContacts) values
```

```sql
('log1', hashbytes('SHA2_256', 'pass1'), 1, 1),
('log2', hashbytes('SHA2_256', 'pass2'), 2, 2),
('log3', hashbytes('SHA2_256', 'pass3'), 3, 3),
('log4', hashbytes('SHA2_256', 'pass4'), 4, 4)

insert into OrderStatus(name) values
(N'Обрабатывается'),
(N'Выдан курьеру'),
(N'Завершен'),
(N'Отменён')

insert into Client(login, password, idPersonalInfo, idContacts) values
('log1', hashbytes('SHA2_256', 'pass1'), 1, 1),
('log2', hashbytes('SHA2_256', 'pass2'), 2, 2),
('log3', hashbytes('SHA2_256', 'pass3'), 3, 3)

insert into AddressDelivery(address, frontDoor, apartmentNum, floorNum, intercom)
values
(N'г. Москва, ул. Центральная, д. 3', 2, 77, 8, N'77к2353'),
(N'г. Москва, ул. Пушкинская, д. 12', 3, 43, 3, N'53к4253'),
(N'г. Подольск, ул. Климовская, д. 36а', 1, 13, 1, N'66к1483')

insert into Ordered(idAddress, orderDateTime, deliveryDate, deliveryTimeFrom,
deliveryTimeTo, summ, idClient, idOrderStatus) values
(1, getdate(), '2021-03-30', '09:00', '22:00', 9500.0, 1, 1),
(2, getdate(), '2021-04-02', '09:00', '21:00', 10500.0, 2, 1),
(3, getdate(), '2021-04-01', '10:00', '20:00', 3200.0, 3, 1)

insert into StoreInfo(name, fullname, tin, bank, bic, email, phone, address) values
(N'Pleer.ru', N'ООО Плеер точка ру', '8003745819', N'Сбербанк', '567435440',
'mail@pleer.ru', '89526545654', N'г. Москва, ул. Серпуховская, д. 19'),
(N'Эльдорадо', N'ООО Эльдорадо', '1287003819', N'Альфа-банк', '900435440',
'mail@el.ru', '89251228456', N'г. Москва, ул. Красныйх фонарей, д. 123'),
(N'DNS', N'ООО ДНС груп', '8999745819', N'Сбербанк', '567923440', 'mail@dns.ru',
'84300545654', N'г. Москва, ул. Камугная, д. 27'),
(N'Ситилинк', N'ООО Citylink', '8926745819', N'Chease', '110025440', 'mail@cit.ru',
'83423545654', N'г. Москва, ул. Зелёная, д. 3'),
(N'Мвидео', N'ООО Мвидео груп', '8666745819', N'Сбербанк', '137435440',
'mail@mv.ru', '82286545654', N'г. Москва, ул. Меруэмная, д. 6')

--delete from ProductCategory
insert into ProductCategory(name, idParentCategory) values
(N'Электроника', null),
(N'Компьютерная техника', null),
(N'Бытовая техника', null),
(N'Книги', null),
(N'Мебель', null),
(N'Зоотовары', null)

update ProductCategory set imageUrl = N'https://avatars.mds.yandex.net/get-
pdb/2852074/ac8b053e-59d4-40cb-8c23-6ce9b8cd5bc4/s1200' where name = N'Электроника'
update ProductCategory set imageUrl = N'https://avatars.mds.yandex.net/get-
pdb/4516377/799f20f8-23ac-4c79-ba98-605ef500a007/s1200' where name = N'Компьютерная
техника'
update ProductCategory set imageUrl = N'https://avatars.mds.yandex.net/get-
pdb/4571085/553bef76-e3f8-45d0-934a-57cc401502d0/s1200' where name = N'Бытовая техника'
update ProductCategory set imageUrl = N'https://avatars.mds.yandex.net/get-
pdb/2434617/150b9b90-f1c3-4a07-8d86-4f5e91969560/s1200' where name = N'Книги'
update ProductCategory set imageUrl = N'https://avatars.mds.yandex.net/get-
pdb/4265498/f6fb9e7d-b7b8-4ad4-9a06-6b4decbe9125/s1200' where name = N'Мебель'
update ProductCategory set imageUrl = N'https://avatars.mds.yandex.net/get-
pdb/4263207/0c82c267-27d8-4325-8b96-ed3d85ed8d6c/s1200' where name = N'Зоотовары'

insert into ProductCategory(name, idParentCategory) values
```

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    (N'Смартфоны и аксессуары', (select id from ProductCategory where name=N'Электроника')),
    (N'Гейминг', (select id from ProductCategory where name=N'Электроника')),
    (N'Наушники', (select id from ProductCategory where name=N'Электроника')),
    (N'Телевизоры', (select id from ProductCategory where name=N'Электроника')),
    (N'Переферийные устройства', (select id from ProductCategory where name=N'Компьютерная техника')),
    (N'Мониторы и аксессуары', (select id from ProductCategory where name=N'Компьютерная техника')),
    (N'Техника для кухни', (select id from ProductCategory where name=N'Бытовая техника')),
    (N'Техника для дома', (select id from ProductCategory where name=N'Бытовая техника')),
    (N'Умный дом', (select id from ProductCategory where name=N'Бытовая техника')),
    (N'Комиксы и манга', (select id from ProductCategory where name=N'Книги')),
    (N'Художественная литература', (select id from ProductCategory where name=N'Книги')),
    (N'Психология и саморазвитие', (select id from ProductCategory where name=N'Книги')),
    (N'Столы и стулья', (select id from ProductCategory where name=N'Мебель')),
    (N'Мебель для спальни', (select id from ProductCategory where name=N'Мебель')),
    (N'Мебель для кухни', (select id from ProductCategory where name=N'Мебель')),
    (N'Для кошек', (select id from ProductCategory where name=N'Зоотовары')),
    (N'Для собак', (select id from ProductCategory where name=N'Зоотовары')),
    (N'Для птиц', (select id from ProductCategory where name=N'Зоотовары'))
    insert into ProductCategory(name, idParentCategory) values
    (N'Playstation 4', (select id from ProductCategory where name=N'Гейминг')),
    (N'Playstation 5', (select id from ProductCategory where name=N'Гейминг')),
    (N'Мышки', (select id from ProductCategory where name=N'Переферийные устройства')),
    (N'Мониторы', (select id from ProductCategory where name=N'Мониторы и аксессуары'))

    --delete from Product
    insert into Product(name, cost, idStoreInfo, idCategory) values
    (N'Геймпад Dualshock4', 4990.0, 1, (select id from ProductCategory where name=N'Playstation 4')),
    (N'Геймпад Dualshock5', 5990.0, 1, (select id from ProductCategory where name=N'Playstation 5')),
    (N'Мышка Bloody Z36P2', 2390.0, 1, (select id from ProductCategory where name=N'Мышки')),
    (N'Наушники Jbl M25', 4990.0, 1, (select id from ProductCategory where name=N'Наушники')),
    (N'Монитор Philips M20J3', 10990.0, 1, (select id from ProductCategory where name=N'Мониторы')),
    (N'Геймпад Dualshock4', 4890.0, 2, (select id from ProductCategory where name=N'Playstation 4')),
    (N'Геймпад Dualshock5', 6390.0, 2, (select id from ProductCategory where name=N'Playstation 5')),
    (N'Мышка Bloody Z36P2', 1990.0, 2, (select id from ProductCategory where name=N'Мышки')),
    (N'Наушники Jbl M25', 4890.0, 2, (select id from ProductCategory where name=N'Наушники')),
    (N'Монитор Philips M20J3', 10830.0, 2, (select id from ProductCategory where name=N'Мониторы')),
    (N'Геймпад Dualshock4', 4890.0, 3, (select id from ProductCategory where name=N'Playstation 4')),
    (N'Геймпад Dualshock5', 5890.0, 3, (select id from ProductCategory where name=N'Playstation 5')),
    (N'Мышка Bloody Z36P2', 2290.0, 3, (select id from ProductCategory where name=N'Мышки')),
    (N'Наушники Jbl M25', 4990.0, 3, (select id from ProductCategory where name=N'Наушники')),
    (N'Монитор Philips M20J3', 11390.0, 3, (select id from ProductCategory where name=N'Мониторы')),
```

```sql
        (N'Геймпад Dualshock4', 4790.0, 4, (select id from ProductCategory where
name=N'Playstation 4')),
        (N'Геймпад Dualshock5', 5900.0, 4, (select id from ProductCategory where
name=N'Playstation 5')),
        (N'Мышка Bloody Z36P2', 2300.0, 4, (select id from ProductCategory where
name=N'Мышки')),
        (N'Наушники Jbl M25', 4900.0, 4, (select id from ProductCategory where
name=N'Наушники')),
        (N'Монитор Philips M20J3', 10900.0, 4, (select id from ProductCategory where
name=N'Мониторы')),
        (N'Геймпад Dualshock4', 4900.0, 5, (select id from ProductCategory where
name=N'Playstation 4')),
        (N'Геймпад Dualshock5', 5900.0, 5, (select id from ProductCategory where
name=N'Playstation 5')),
        (N'Мышка Bloody Z36P2', 2380.0, 5, (select id from ProductCategory where
name=N'Мышки')),
        (N'Наушники Jbl M25', 4900.0, 5, (select id from ProductCategory where
name=N'Наушники')),
        (N'Монитор Philips M20J3', 10900.0, 5, (select id from ProductCategory where
name=N'Мониторы'))

        insert into ProductCompos(idOrder, idProduct, quantity, summ) values
        (1, (select id from Product where name=N'Геймпад Dualshock4' and idStoreInfo=1), 1,
(select cost from Product where name=N'Геймпад Dualshock4' and idStoreInfo=1)*1),
        (1, (select id from Product where name=N'Мышка Bloody Z36P2' and idStoreInfo=2), 2,
(select cost from Product where name=N'Мышка Bloody Z36P2' and idStoreInfo=2)*2),
        (2, (select id from Product where name=N'Наушники Jbl M25' and idStoreInfo=3), 1,
(select cost from Product where name=N'Наушники Jbl M25' and idStoreInfo=3)*1),
        (2, (select id from Product where name=N'Монитор Philips M20J3' and idStoreInfo=3),
1, (select cost from Product where name=N'Монитор Philips M20J3' and idStoreInfo=3)*1),
        (3, (select id from Product where name=N'Геймпад Dualshock4' and idStoreInfo=1), 1,
(select cost from Product where name=N'Геймпад Dualshock4' and idStoreInfo=1)*1),
        (3, (select id from Product where name=N'Геймпад Dualshock5' and idStoreInfo=4), 1,
(select cost from Product where name=N'Геймпад Dualshock5' and idStoreInfo=4)*2)

        insert into ProductImages(idProduct, imageUrl) values
        ((select id from Product where name=N'Геймпад Dualshock4' and idStoreInfo=1),
N'https://www.ucustom.nl/wp-content/uploads/2019/01/PS4-Controller-Skin-Zwart-1.png'),
        ((select id from Product where name=N'Геймпад Dualshock4' and idStoreInfo=2),
N'https://images.wbstatic.net/big/new/20820000/20822789-1.jpg'),
        ((select id from Product where name=N'Геймпад Dualshock4' and idStoreInfo=3),
N'https://images-eu.ssl-images-amazon.com/images/I/41GPLTxGE6L.01_SL120_.jpg'),
        ((select id from Product where name=N'Геймпад Dualshock4' and idStoreInfo=4),
N'https://www.ucustom.nl/wp-content/uploads/2019/01/PS4-Controller-Skin-Zwart-1.png'),
        ((select id from Product where name=N'Геймпад Dualshock4' and idStoreInfo=5),
N'https://images-eu.ssl-images-amazon.com/images/I/41GPLTxGE6L.01_SL120_.jpg')
        insert into ProductImages(idProduct, imageUrl) values
        ((select id from Product where name=N'Мышка Bloody Z36P2' and idStoreInfo=1),
N'https://e7.pngegg.com/pngimages/465/617/png-clipart-computer-mouse-a4tech-bloody-
gaming-a4-tech-bloody-v7m-a4tech-bloody-v7-computer-mouse-electronics-computer-
keyboard.png'),
        ((select id from Product where name=N'Мышка Bloody Z36P2' and idStoreInfo=2),
N'https://e7.pngegg.com/pngimages/465/617/png-clipart-computer-mouse-a4tech-bloody-
gaming-a4-tech-bloody-v7m-a4tech-bloody-v7-computer-mouse-electronics-computer-
keyboard.png'),
        ((select id from Product where name=N'Мышка Bloody Z36P2' and idStoreInfo=3),
N'https://e7.pngegg.com/pngimages/465/617/png-clipart-computer-mouse-a4tech-bloody-
gaming-a4-tech-bloody-v7m-a4tech-bloody-v7-computer-mouse-electronics-computer-
keyboard.png'),
        ((select id from Product where name=N'Мышка Bloody Z36P2' and idStoreInfo=4),
N'https://e7.pngegg.com/pngimages/465/617/png-clipart-computer-mouse-a4tech-bloody-
gaming-a4-tech-bloody-v7m-a4tech-bloody-v7-computer-mouse-electronics-computer-
keyboard.png'),
```

```sql
        ((select id from Product where name=N'Мышка Bloody Z36P2' and idStoreInfo=5),
N'https://e7.pngegg.com/pngimages/465/617/png-clipart-computer-mouse-a4tech-bloody-
gaming-a4-tech-bloody-v7m-a4tech-bloody-v7-computer-mouse-electronics-computer-
keyboard.png')
        insert into ProductImages(idProduct, imageUrl) values
        ((select id from Product where name=N'Наушники Jbl M25' and idStoreInfo=1),
N'https://static.onlinetrade.ru/img/items/b/besprovodnie_naushniki_jbl_e45bt_krasniy_2.jp
g'),
        ((select id from Product where name=N'Наушники Jbl M25' and idStoreInfo=2),
N'https://24.lv/images/detailed/484/JBL_LIVE500BT_Product_Image_Fold_White_17273_x1.png')
,
        ((select id from Product where name=N'Наушники Jbl M25' and idStoreInfo=3),
N'https://img.mvideo.ru/Pdb/50125455b2.jpg'),
        ((select id from Product where name=N'Наушники Jbl M25' and idStoreInfo=4),
N'https://static.onlinetrade.ru/img/items/b/besprovodnie_naushniki_jbl_e45bt_krasniy_2.jp
g'),
        ((select id from Product where name=N'Наушники Jbl M25' and idStoreInfo=5),
N'https://img.mvideo.ru/Pdb/50125455b2.jpg')
        insert into ProductImages(idProduct, imageUrl) values
        ((select id from Product where name=N'Монитор Philips M20J3' and idStoreInfo=1),
N'https://www.1sm.ru/upload/iblock/274/00000112446.JPG'),
        ((select id from Product where name=N'Монитор Philips M20J3' and idStoreInfo=2),
N'https://www.1sm.ru/upload/iblock/274/00000112446.JPG'),
        ((select id from Product where name=N'Монитор Philips M20J3' and idStoreInfo=3),
N'https://www.1sm.ru/upload/iblock/274/00000112446.JPG'),
        ((select id from Product where name=N'Монитор Philips M20J3' and idStoreInfo=4),
N'https://www.1sm.ru/upload/iblock/274/00000112446.JPG'),
        ((select id from Product where name=N'Монитор Philips M20J3' and idStoreInfo=5),
N'https://www.1sm.ru/upload/iblock/274/00000112446.JPG')
        insert into ProductImages(idProduct, imageUrl) values
        ((select id from Product where name=N'Геймпад Dualshock5' and idStoreInfo=1),
N'https://static-sl.insales.ru/images/products/1/1394/416662898/1.png'),
        ((select id from Product where name=N'Геймпад Dualshock5' and idStoreInfo=2),
N'https://static-sl.insales.ru/images/products/1/1394/416662898/1.png'),
        ((select id from Product where name=N'Геймпад Dualshock5' and idStoreInfo=3),
N'https://static-sl.insales.ru/images/products/1/1394/416662898/1.png'),
        ((select id from Product where name=N'Геймпад Dualshock5' and idStoreInfo=4),
N'https://static-sl.insales.ru/images/products/1/1394/416662898/1.png'),
        ((select id from Product where name=N'Геймпад Dualshock5' and idStoreInfo=5),
N'https://static-sl.insales.ru/images/products/1/1394/416662898/1.png')


        select * from ProductImages
        select * from Product where name=N'Геймпад Dualshock4'
        select * from Courier
        select * from Ordered
        select
                ProductCategory.name as [category],
                parentCategory.name as [parent],
                ProductCategory.imageUrl as [img]
        from ProductCategory
                left join ProductCategory as parentCategory on
ProductCategory.idParentCategory = parentCategory.id
```