

```
CREATE TABLE account(  
    account_id      integer NOT NULL,  
    account_number  VARCHAR(40) NOT NULL,  
    iban            VARCHAR(40) NOT NULL,  
    currency        VARCHAR(40) NOT NULL,  
    account_type    VARCHAR(40) NOT NULL,  
    PRIMARY KEY (account_id)  
);
```

```
CREATE TABLE product(  
    product_id      integer NOT NULL,  
    product_type    VARCHAR(40),  
    PRIMARY KEY (product_id)  
);
```

```
CREATE TABLE role(  
    role_id         integer NOT NULL,  
    role_name       VARCHAR(40) NOT NULL,  
    PRIMARY KEY (role_id)  
);
```

```
CREATE TABLE address(  
    address_id      integer NOT NULL,  
    city            VARCHAR(40) NOT NULL,  
    street          VARCHAR(40) NOT NULL,  
    house_number    integer NOT NULL,  
    zip_code        VARCHAR(40) NOT NULL,  
    PRIMARY KEY (address_id)  
);
```

```
CREATE TABLE location(  
    location_id     integer NOT NULL,  
    address_id      integer NOT NULL,  
    location        VARCHAR(40) NOT NULL,  
    PRIMARY KEY (location_id),  
    FOREIGN KEY (address_id)  
        REFERENCES address(address_id)  
);
```

```
CREATE TABLE bank_branch(  
    bank_branch_id  integer NOT NULL,  
    location_id     integer UNIQUE NOT NULL,  
    user_id         integer NOT NULL,  
    bank_branch_name VARCHAR (40) NOT NULL,  
    PRIMARY KEY (bank_branch_id),  
    FOREIGN KEY (location_id)  
        REFERENCES location (location_id)  
);
```

```
CREATE TABLE "user"(  
    user_id         integer NOT NULL,  
    first_name       VARCHAR(40) NOT NULL,  
    last_name        VARCHAR(40) NOT NULL,  
    email            VARCHAR(40) NOT NULL,  
    phone            VARCHAR(40) NOT NULL,  
    password         VARCHAR(40) NOT NULL,  
    PRIMARY KEY (user_id)  
);
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        user_id          integer NOT NULL,
        bank_branch_id   integer NOT NULL,
        /*account_id     INT NOT NULL,
        role_id          INT NOT NULL,*/
        first_name VARCHAR(40) NOT NULL,
        second_name VARCHAR(40) NOT NULL,
        mail             VARCHAR(40) NOT NULL,
PRIMARY KEY (user_id),
        FOREIGN KEY (bank_branch_id)
        REFERENCES bank_branch (bank_branch_id)
        /*FOREIGN KEY (account_id)
        REFERENCES account (account_id),
        FOREIGN KEY (role_id)
        REFERENCES role (role_id)*/
);

```

```

CREATE TABLE card(
        card_id          integer NOT NULL,
        user_id          integer NOT NULL,
        card_type VARCHAR(40) NOT NULL,
        card_number VARCHAR(40) NOT NULL,
        expiration_date DATE NOT NULL,
PRIMARY KEY (card_id),
        FOREIGN KEY (user_id)
        REFERENCES "user" (user_id)
);

```

```

CREATE TABLE user_has_account(
        user_id          integer NOT NULL,
        account_id       integer NOT NULL,
PRIMARY KEY (user_id, account_id),
        FOREIGN KEY (user_id)
        REFERENCES "user" (user_id),
        FOREIGN KEY (account_id)
        REFERENCES account (account_id)
);

```

```

CREATE TABLE user_has_product(
        user_id          integer NOT NULL,
        product_id       integer NOT NULL,
PRIMARY KEY (user_id, product_id),
        FOREIGN KEY (user_id)
        REFERENCES "user" (user_id),
        FOREIGN KEY (product_id)
        REFERENCES product (product_id)
);

```

```

CREATE TABLE user_has_role(
        user_id integer NOT NULL,
        role_id integer NOT NULL,

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start_date DATE NOT NULL,  
FOREIGN KEY (user_id)  
REFERENCES "user" (user_id),  
FOREIGN KEY (role_id)  
REFERENCES role (role_id)  
);  
  
CREATE TABLE user_has_address(  
    user_id integer NOT NULL,  
    address_id integer NOT NULL,  
    PRIMARY KEY (user_id, address_id),  
    FOREIGN KEY (user_id)  
    REFERENCES "user" (user_id),  
    FOREIGN KEY (address_id)  
    REFERENCES address (address_id)  
);
```