```sql
CREATE TABLE user (

    id INTEGER NOT NULL,

    username VARCHAR(30) NOT NULL,

    email_address VARCHAR(50) NOT NULL,

    password_hash VARCHAR(60) NOT NULL,

    PRIMARY KEY (id),

    UNIQUE (username),

    UNIQUE (email_address)

)

COMMIT


CREATE TABLE office_designation (

    id INTEGER NOT NULL,

    designation_name VARCHAR(30) NOT NULL,

    PRIMARY KEY (id)

)

COMMIT


CREATE TABLE employee_designation (

    id INTEGER NOT NULL,

    designation_name VARCHAR(20) NOT NULL,
```

```
        salary INTEGER NOT NULL,

        PRIMARY KEY (id)

)

COMMIT


CREATE TABLE other_business_designation (

        id INTEGER NOT NULL,

        designation_name VARCHAR(20) NOT NULL,

        PRIMARY KEY (id)

)

COMMIT


CREATE TABLE product_package (

        id INTEGER NOT NULL,

        package_name VARCHAR(100),

        PRIMARY KEY (id)

)

COMMIT


CREATE TABLE product_types (

        id INTEGER NOT NULL,

        type_name VARCHAR(20) NOT NULL,
```

```
        PRIMARY KEY (id)

)

COMMIT


CREATE TABLE reorder_status (

        id INTEGER NOT NULL,

        status_name VARCHAR(20),

        PRIMARY KEY (id)

)

COMMIT


CREATE TABLE order_status (

        id INTEGER NOT NULL,

        status_name VARCHAR(20),

        PRIMARY KEY (id)

)

COMMIT


CREATE TABLE payment_methods (

        id INTEGER NOT NULL,

        name VARCHAR(20),

        PRIMARY KEY (id)
```

```sql
)

COMMIT


CREATE TABLE image_designation (

    id INTEGER NOT NULL,

    designation_name VARCHAR(40) NOT NULL,

    PRIMARY KEY (id)

)

COMMIT


CREATE TABLE transaction_point_type (

    id INTEGER NOT NULL,

    destination_name VARCHAR(20) NOT NULL,

    PRIMARY KEY (id)

)

COMMIT


CREATE TABLE customers (

    id INTEGER NOT NULL,

    first_name VARCHAR(20) NOT NULL,

    last_name VARCHAR(20) NOT NULL,

    phone_number VARCHAR(20) NOT NULL,
```

```
        address VARCHAR(20) NOT NULL,

        city VARCHAR(20) NOT NULL,

        user_account INTEGER,

        PRIMARY KEY (id),

        UNIQUE (user_account),

        FOREIGN KEY(user_account) REFERENCES user (id)

)

COMMIT


CREATE TABLE office (

        id INTEGER NOT NULL,

        office_name VARCHAR(20) NOT NULL,

        region VARCHAR(20) NOT NULL,

        no_of_staff INTEGER NOT NULL,

        office_designation_id INTEGER,

        PRIMARY KEY (id),

        FOREIGN KEY(office_designation_id) REFERENCES office_designation (id)

)

COMMIT


CREATE TABLE other_business (

        id INTEGER NOT NULL,
```

```
        name VARCHAR(20) NOT NULL,

        region VARCHAR(20) NOT NULL,

        ob_designation_id INTEGER,

        PRIMARY KEY (id),

        FOREIGN KEY(ob_designation_id) REFERENCES other_business_designation (id)

)

COMMIT


CREATE TABLE general_image (

        id INTEGER NOT NULL,

        image_name VARCHAR(50) NOT NULL,

        image_filename VARCHAR(50) NOT NULL,

        image_designation_id INTEGER,

        PRIMARY KEY (id),

        FOREIGN KEY(image_designation_id) REFERENCES image_designation (id)

)

COMMIT


CREATE TABLE in_business_transaction (

        id INTEGER NOT NULL,

        origin_type_id INTEGER NOT NULL,

        destination_type_id INTEGER NOT NULL,
```

```
        transaction_date DATETIME NOT NULL,

        transaction_amount FLOAT NOT NULL,

        PRIMARY KEY (id),

        FOREIGN KEY(origin_type_id) REFERENCES transaction_point_type (id),

        FOREIGN KEY(destination_type_id) REFERENCES transaction_point_type (id)

)

COMMIT


CREATE TABLE employees (

        id INTEGER NOT NULL,

        first_name VARCHAR(20) NOT NULL,

        last_name VARCHAR(20) NOT NULL,

        phone_number VARCHAR(20) NOT NULL,

        office_id INTEGER NOT NULL,

        designation_id INTEGER,

        reports_to INTEGER,

        user_account INTEGER,

        PRIMARY KEY (id),

        FOREIGN KEY(office_id) REFERENCES office (id),

        FOREIGN KEY(designation_id) REFERENCES employee_designation (id),

        UNIQUE (user_account),

        FOREIGN KEY(user_account) REFERENCES user (id)
```

)

COMMIT

CREATE TABLE products (

      id INTEGER NOT NULL,

      product_name VARCHAR(20) NOT NULL,

      type_id INTEGER NOT NULL,

      ob_id INTEGER NOT NULL,

      unit_quantity VARCHAR(20) NOT NULL,

      unit_price FLOAT NOT NULL,

      package_id INTEGER,

      PRIMARY KEY (id),

      FOREIGN KEY(type_id) REFERENCES product_types (id),

      FOREIGN KEY(ob_id) REFERENCES other_business (id),

      FOREIGN KEY(package_id) REFERENCES product_package (id)

)

COMMIT

CREATE TABLE orders (

      id INTEGER NOT NULL,

      customer_id INTEGER,

      order_date DATETIME,

```sql
        order_status_id INTEGER,

        comments VARCHAR(40),

        PRIMARY KEY (id),

        FOREIGN KEY(customer_id) REFERENCES customers (id),

        FOREIGN KEY(order_status_id) REFERENCES order_status (id)

)

COMMIT


CREATE TABLE invoices (

        id INTEGER NOT NULL,

        invoice_number VARCHAR(40) NOT NULL,

        customer_id INTEGER,

        invoice_total FLOAT NOT NULL,

        payment_total FLOAT,

        invoice_date DATETIME,

        due_date DATETIME,

        payment_date DATETIME,

        PRIMARY KEY (id),

        UNIQUE (invoice_number),

        FOREIGN KEY(customer_id) REFERENCES customers (id)

)

COMMIT
```

```
CREATE TABLE direct_purchases (

        id INTEGER NOT NULL,

        office_id INTEGER,

        customer_first_name VARCHAR(20) NOT NULL,

        customer_last_name VARCHAR(20) NOT NULL,

        customer_phone_number VARCHAR(20) NOT NULL,

        purchase_date DATETIME,

        purchase_total FLOAT NOT NULL,

        payment_method_id INTEGER,

        PRIMARY KEY (id),

        FOREIGN KEY(office_id) REFERENCES office (id),

        FOREIGN KEY(payment_method_id) REFERENCES payment_methods (id)

)
COMMIT


CREATE TABLE customer_payment_info (

        id INTEGER NOT NULL,

        payment_method_id INTEGER,

        details VARCHAR(40),

        customer_id INTEGER,

        PRIMARY KEY (id),
```

```
        FOREIGN KEY(payment_method_id) REFERENCES payment_methods (id),

        FOREIGN KEY(customer_id) REFERENCES customers (id)

)

COMMIT


CREATE TABLE inventory (

        id INTEGER NOT NULL,

        product_id INTEGER,

        office_id INTEGER,

        quantity_in_stock INTEGER NOT NULL,

        PRIMARY KEY (id),

        FOREIGN KEY(product_id) REFERENCES products (id),

        FOREIGN KEY(office_id) REFERENCES office (id)

)

COMMIT


CREATE TABLE reorders (

        id INTEGER NOT NULL,

        product_id INTEGER NOT NULL,

        ob_id INTEGER NOT NULL,

        reorder_date DATETIME,

        reorder_status_id INTEGER,
```

```
        reorder_completion_date DATETIME,

        PRIMARY KEY (id),

        FOREIGN KEY(product_id) REFERENCES products (id),

        FOREIGN KEY(ob_id) REFERENCES other_business (id),

        FOREIGN KEY(reorder_status_id) REFERENCES reorder_status (id)

)

COMMIT


CREATE TABLE order_items (

        id INTEGER NOT NULL,

        order_id INTEGER,

        product_id INTEGER,

        quantity INTEGER,

        unit_price FLOAT,

        PRIMARY KEY (id),

        FOREIGN KEY(order_id) REFERENCES orders (id),

        FOREIGN KEY(product_id) REFERENCES products (id)

)

COMMIT


CREATE TABLE order_shipment (

        id INTEGER NOT NULL,
```

```
        order_id INTEGER,

        shipped_date DATETIME,

        ob_id INTEGER NOT NULL,

        tracking_no VARCHAR(30),

        estimate_delivery_date DATETIME,

        delivered_date DATETIME,

        PRIMARY KEY (id),

        FOREIGN KEY(order_id) REFERENCES orders (id),

        FOREIGN KEY(ob_id) REFERENCES other_business (id)

)

COMMIT


CREATE TABLE payments (

        id INTEGER NOT NULL,

        invoice_id INTEGER,

        payment_date DATETIME NOT NULL,

        amount FLOAT,

        payment_method_id INTEGER,

        PRIMARY KEY (id),

        FOREIGN KEY(invoice_id) REFERENCES invoices (id),

        FOREIGN KEY(payment_method_id) REFERENCES payment_methods (id)

)
```

COMMIT

CREATE TABLE direct_purchase_items (

id INTEGER NOT NULL,

purchase_id INTEGER,

product_id INTEGER,

quantity INTEGER,

unit_price FLOAT,

PRIMARY KEY (id),

FOREIGN KEY(purchase_id) REFERENCES direct_purchases (id),

FOREIGN KEY(product_id) REFERENCES products (id)

)

COMMIT

CREATE TABLE product_images (

id INTEGER NOT NULL,

product_id INTEGER,

image_name VARCHAR(50) NOT NULL,

image_filename VARCHAR(50) NOT NULL,

PRIMARY KEY (id),

FOREIGN KEY(product_id) REFERENCES products (id)

)

COMMIT

CREATE TABLE cart_items (

    id INTEGER NOT NULL,

    user_id INTEGER NOT NULL,

    product_id INTEGER NOT NULL,

    quantity INTEGER NOT NULL,

    total_price INTEGER NOT NULL,

    PRIMARY KEY (id),

    FOREIGN KEY(user_id) REFERENCES user (id),

    FOREIGN KEY(product_id) REFERENCES products (id)

)

COMMIT