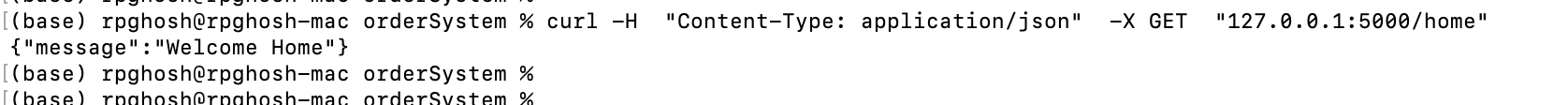
**Ordering system using Flask framework**

Sample output

Endpoint: /home

Purpose : a welcome message (not defined in problem -but used it mainly to get a feel)



Endpoint: /orders [method = GET]

Purpose : given a page number as filter we can get the records of the orders which were done over the past 30 days in descending order (latest shown first).

A screenshot of a computer

Description automatically generated with medium confidence

Endpoint: /createorder [method = POST]

Purpose : add a new order , order can have multiple items within it.

Graphical user interface, text, application

Description automatically generated

Database used : sqlite3

Below picture shows the relationship among tables – there are 3 – products, orders and items. Products is filled up by Admin user from a csv file. Orders and items records are created by POST methods.

Text, table

Description automatically generated with medium confidence

Created a csv file to load data for the admin – (products.csv). If a product is repeated multiple times , then the price is updated.

(base) rpghosh@rpghosh-mac orderSystem % /Users/rpghosh/opt/anaconda3/bin/python3.8 admin.py

Table Orders exists .. deleting ...

Table Orders dropped.

Executing statement : create table Orders (order\_id integer primary key autoincrement,username varchar(20), order\_date datetime default current\_timestamp );

Table Products exists .. deleting ...

Table Products dropped.

Executing statement : create table Products (product\_id integer primary key autoincrement,name varchar(20),price integer,stock integer);

Table Items exists .. deleting ...

Table Items dropped.

Executing statement : create table Items (item\_id integer primary key autoincrement, order\_id integer references Orders(order\_id), product\_id varchar(20) references Products(product\_id), quantity integer,amount integer);

Loading /Users/rpghosh/python-examples/flask/orderSystem/products.csv ...

Table Products found ...

Table Products found ...

Executing statement : select product\_id from Products where name = 'pythonbook-1' ;

Executing statement : insert into Products (name, price, stock) values ('pythonbook-1' ,25,100 );

Table Products found ...

Table Products found ...

Executing statement : select product\_id from Products where name = 'javabook-1' ;

Executing statement : insert into Products (name, price, stock) values ('javabook-1' ,30,100 );

Table Products found ...

Table Products found ...

Executing statement : select product\_id from Products where name = 'perlbook-1' ;

Executing statement : insert into Products (name, price, stock) values ('perlbook-1' ,10,100 );

Table Products found ...

Table Products found ...

Executing statement : select product\_id from Products where name = 'c-book-1' ;

Executing statement : insert into Products (name, price, stock) values ('c-book-1' ,30,100 );

Table Products found ...

Table Products found ...

Executing statement : select product\_id from Products where name = 'pythonbook-2' ;

Executing statement : insert into Products (name, price, stock) values ('pythonbook-2' ,25,100 );

Table Products found ...

Table Products found ...

Executing statement : select product\_id from Products where name = 'javabook-2' ;

Executing statement : insert into Products (name, price, stock) values ('javabook-2' ,30,100 );

Table Products found ...

Table Products found ...

Executing statement : select product\_id from Products where name = 'perlbook-2' ;

Executing statement : insert into Products (name, price, stock) values ('perlbook-2' ,10,100 );

Table Products found ...

Table Products found ...

Executing statement : select product\_id from Products where name = 'c-book-2' ;

Executing statement : insert into Products (name, price, stock) values ('c-book-2' ,30,100 );

Table Products found ...

Table Products found ...

Executing statement : select product\_id from Products where name = 'pythonbook-3' ;

Executing statement : insert into Products (name, price, stock) values ('pythonbook-3' ,25,100 );

Table Products found ...

Table Products found ...

Executing statement : select product\_id from Products where name = 'javabook-3' ;

Executing statement : insert into Products (name, price, stock) values ('javabook-3' ,30,100 );

Table Products found ...

Table Products found ...

Executing statement : select product\_id from Products where name = 'perlbook-3' ;

Executing statement : insert into Products (name, price, stock) values ('perlbook-3' ,10,100 );

Table Products found ...

Table Products found ...

Executing statement : select product\_id from Products where name = 'c-book-3' ;

Executing statement : insert into Products (name, price, stock) values ('c-book-3' ,30,100 );

Table Products found ...

Table Products found ...

Executing statement : select product\_id from Products where name = 'pythonbook-4' ;

Executing statement : insert into Products (name, price, stock) values ('pythonbook-4' ,25,100 );

Table Products found ...

Table Products found ...

Executing statement : select product\_id from Products where name = 'javabook-4' ;

Executing statement : insert into Products (name, price, stock) values ('javabook-4' ,30,100 );

Table Products found ...

Table Products found ...

Executing statement : select product\_id from Products where name = 'perlbook-4' ;

Executing statement : insert into Products (name, price, stock) values ('perlbook-4' ,10,100 );

Table Products found ...

Table Products found ...

Executing statement : select product\_id from Products where name = 'c-book-4' ;

Executing statement : insert into Products (name, price, stock) values ('c-book-4' ,30,100 );

Table Products found ...

Table Products found ...

Executing statement : select product\_id from Products where name = 'pythonbook-1' ;

Executing statement : update Products set price = 55 where product\_id = 1;

Table Products found ...

Table Products found ...

Executing statement : select product\_id from Products where name = 'javabook-3' ;

Executing statement : update Products set price = 90 where product\_id = 10;

Table Products found ...

Table Products found ...

Executing statement : select product\_id from Products where name = 'perlbook-4' ;

Executing statement : update Products set price = 15 where product\_id = 15;

Table Products found ...

Table Products found ...

Executing statement : select product\_id from Products where name = 'c-book-2' ;

Executing statement : update Products set price = 35 where product\_id = 8;

Table Products found ...

Table Products found ...

Executing statement : select product\_id from Products where name = 'ganja' ;

Executing statement : insert into Products (name, price, stock) values ('ganja' ,35,100 );

(base) rpghosh@rpghosh-mac orderSystem %