**Introduction to the system**

Online Market’s database design is used to manage website’s data. In this database system users are customers. They can buy products online, place their purchase in a shopping cart, choose their payment type, and leave reviews. This database contains all information about its products and suppliers.

In this Database Management System project, customers can buy products online and the administrator can enter the name and generate the receipt of the purchased product. Administrators can view reports of the products and overall order details. Orders which are placed by the customers, will store into the database and according to the order detail, a bill will be generated and the payment will be paid by the customer.

**ER diagram**

Entities:

user\_info

user\_address

address

country

payment\_type

payment\_type\_method

shopping\_basket

shopping\_basket\_item

product\_item

product

product\_category

variation

variation\_option

product\_var

shop\_order

order\_details

order\_status

order\_line

User\_comment

**Coding part**

We created a procedure that groups the data in the order and outputs the quantity and total amount of the product.

And a procedure that counts rows whose prices are increased to 20$.

Function that counts the number of items in the basket which are chosen more than one time.

Exception that disallows entering the name of a product to be less than\* 5 characters.

Trigger that shows number of users before inserting a new row.