# The e-commerce website database

## About the service

It should be a simple e-commerce website where people can buy different kinds of products.

We need to know what products are available and can be bought.

The purchase can be made both by a registered and guest user.

We should keep the information about the shipping address, purchase history. We need to know the user’s birthday and discount if one has any.

In our store, each individual product may have its specific discount, as well as each registered customer, may have their discount.

## Functionalities

We should store the following information

* the **customer** information (name, surname, email, shipping, phone number)
* the customer r**egistered user** account information (login (can be both the phone number and email address), password, birth date, and the individual discount which can be absent)
* The **user-session** information (the IP address, timestamp)
* the information about the **addresses** of all customers who made an order (customer, country, city, street, apartment number, and postcode)
* the **product information** (name, description, manufacturer, supplier, quantity available, category, price, and discount which is not always present)
* the products by **product category** (should contain the category description)
* the information about the **shopping cart** (product, amount, time added)
* the **order details** (customer, address, payment type, payment date, shipping date, order time, payment time)
* different payment methods (name)
* order status, whether it’s active, completed, or canceled
* track when order is in different status (date from, date to)
* **review** which can be added by a registered user (user, text, date, and time)