

Coursework 2: Report

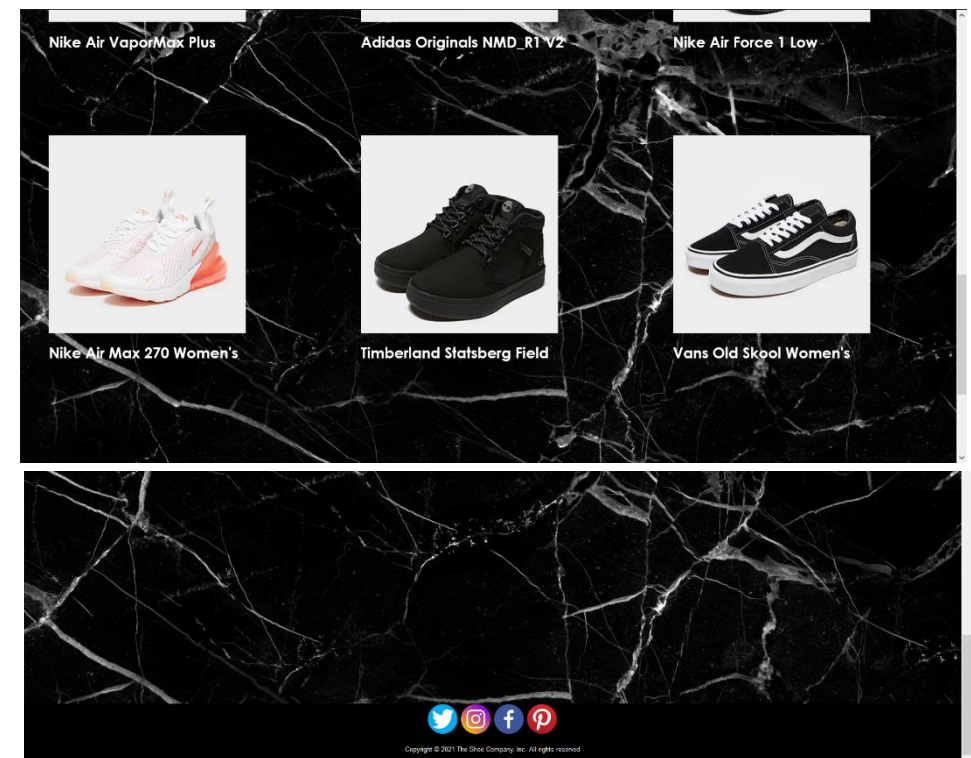
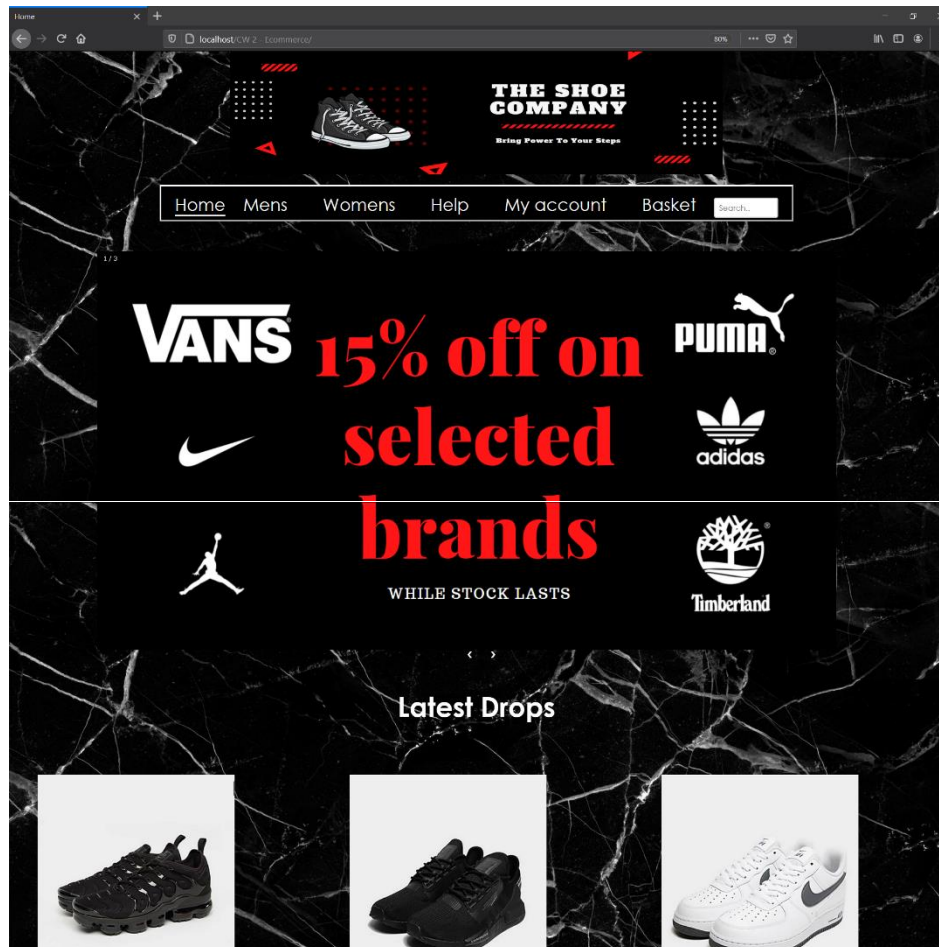
Introduction:

For the second coursework of the module 'Web applications and databases', we have been given the task of working in a group to create an e-commerce website. Our group have decided to do a website selling shoes for both men and women. For the first submission we will be submitting the front end of our website, the MongoDB database design, the contribution spreadsheet and this report. In this document we will be talking about the features of the front end and back end.

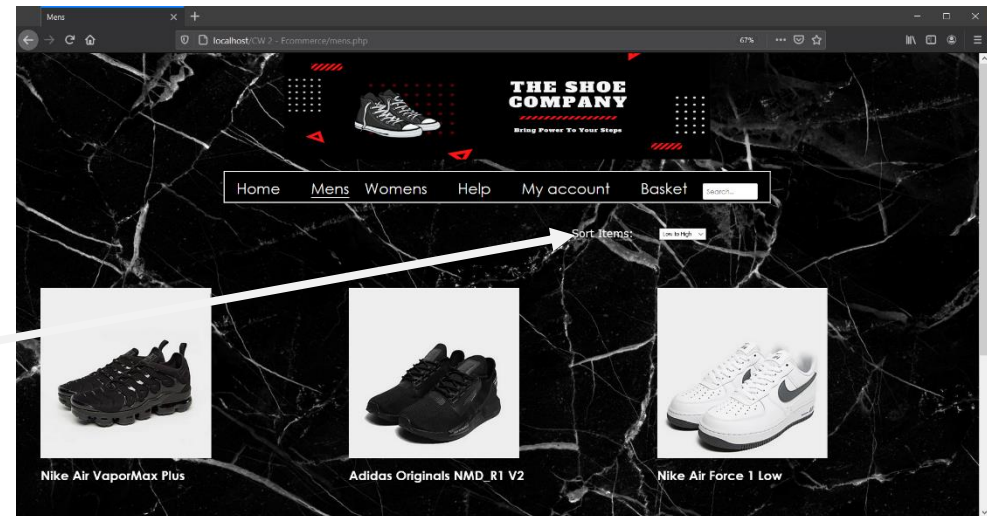
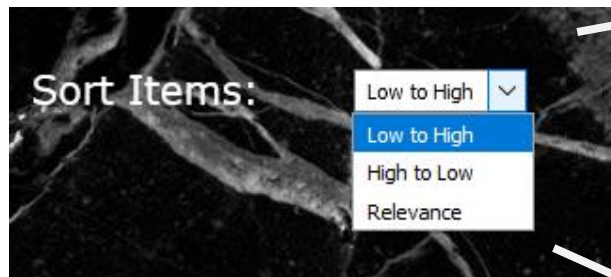
Description of the design and features of the front and back end of the website.

According to the assignment brief, our website must allow users to browse through products and add them to their baskets, register an account and view past orders. In this part of the report, I will be showing a screenshot of each page and explaining the features on them.

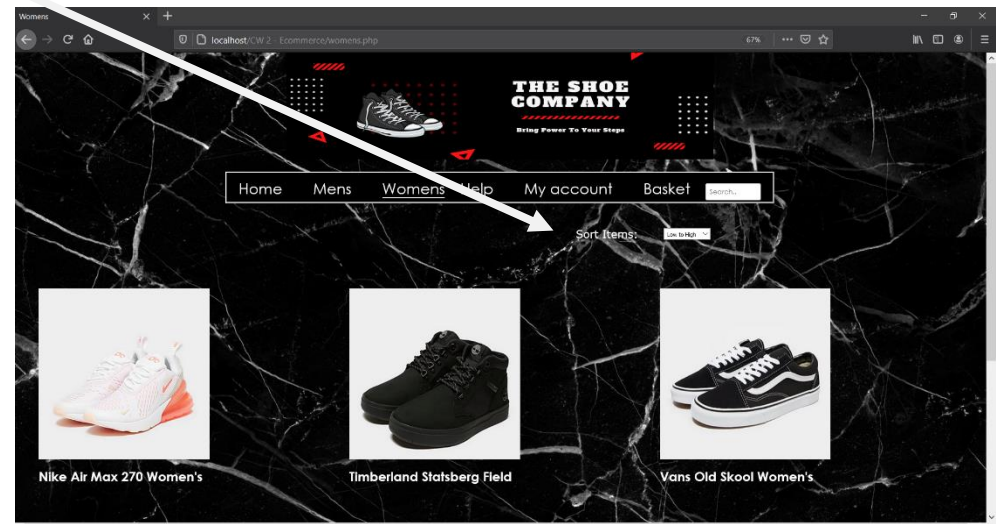
Homepage – the images below show what the homepage of our website will look like. At the top of the page there is a navigation which will allow a user to navigate through each of the 6 pages. The purpose of this page is to advertise 'the shoe company' to encourage users to shop. We have done this using a slideshow that displays adverts and by using rollover images at the bottom displaying latest drops. This enables them to get an idea of what they can buy in the shop without even having to browse the whole website. Beside the navigation is a search bar, here customers can enter in a specific item they're looking for to speed up their shopping experience.



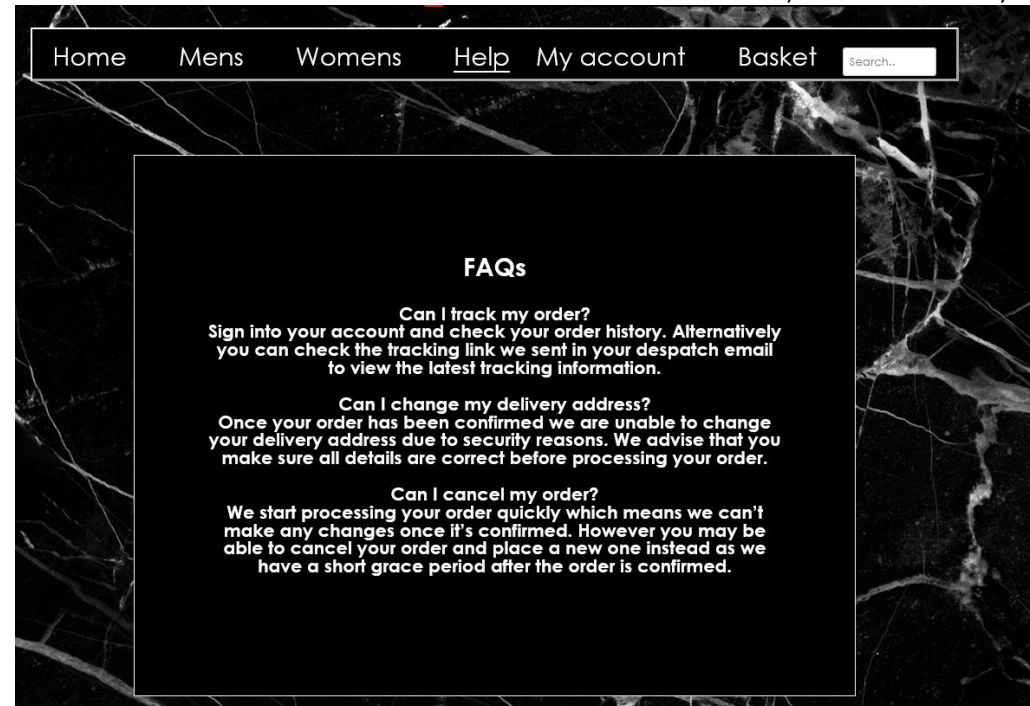
Webpage no.2 (Men) – this webpage is where the users will be able to browse the men's shoes and add them to their baskets to purchase them. The shoes shown in the screenshot are a few examples of what they can buy once the website is actually linked to the database. On the right-hand side there is a sorting feature that will allow users to shop for items depending on their preference.



Webpage no.3 (Women) – similarly this webpage is where the users will be able to browse the women's shoes and add them to their baskets to purchase them. The shoes shown in the screenshot are a few examples of what they can buy once the website is actually linked to the database. On the right-hand side there is a sorting feature that will allow users to shop for items depending on their preference.



Webpage no.4 (Help) – this webpage has Frequently Asked Questions for the customers to read if they need help with something.



Rabiya Manikware
Zian De Lara
Huseyin Hasan Huseyin

Webpage no.5 (my account) – this webpage allows users to register an account to purchase items, simply by entering their details. They will be required to enter their full name, username, email address and a password. If they already have an account, they can sign in by clicking 'sign in' on the register form. By having an account, customers can view the items that they have purchased before, re-order items, or track their order.

Register

localhost/CW 2 - Ecommerce/register.php

67%

THE SHOE COMPANY
Bring Power To Your Steps

Home Mens Womens Help My account Basket Search...

Please fill in this form to create an account.

Enter First Name

Enter Last Name

Enter username

Enter Email address

Enter Password

Repeat Password

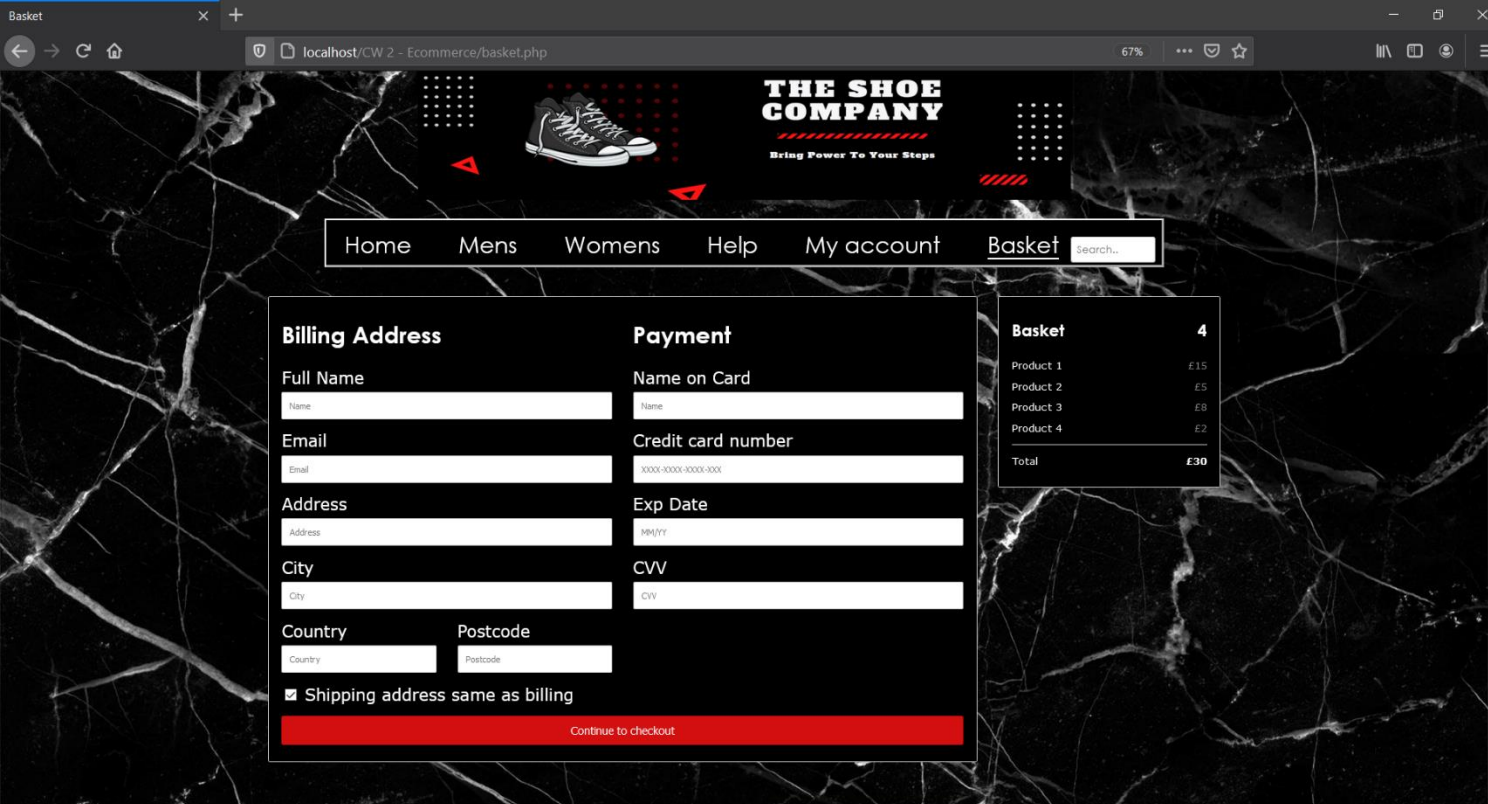
Register

Already have an account? Sign in

Twitter Instagram Facebook Pinterest

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Webpage no.6 (Basket) – the final page of the website is the checkout/ basket page. On this page the users can view what they've added to their baskets and enter their details to checkout.



The screenshot shows a web browser window with the URL `localhost/CW 2 - Ecommerce/basket.php`. The page has a dark, marbled background. At the top, there's a navigation bar with links: Home, Mens, Womens, Help, My account, and Basket. A search bar is also present. Below the navigation bar, the main content area is divided into three sections: Billing Address, Payment, and Basket.

Billing Address

Full Name
Name:

Email
Email:

Address
Address:

City
City:

Country
Country:

Postcode
Postcode:

☒ Shipping address same as billing

Payment

Name on Card
Name:

Credit card number
Credit card number:

Exp Date
Exp Date:

CVV
CVV:

Basket

4

Product 1	£15
Product 2	£5
Product 3	£8
Product 4	£2
Total	£30

Continue to checkout

MongoDB Database Design

Database Model:

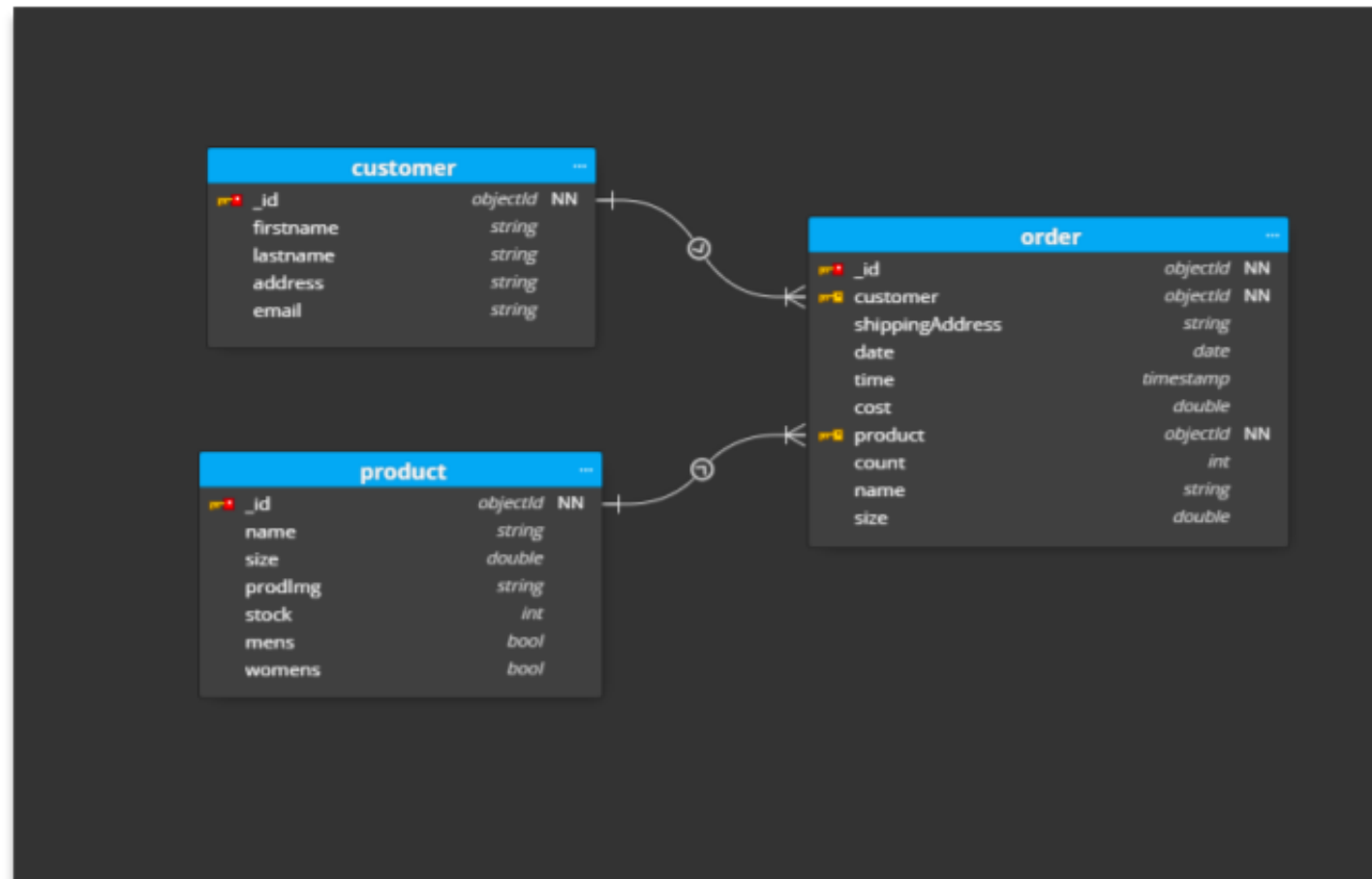
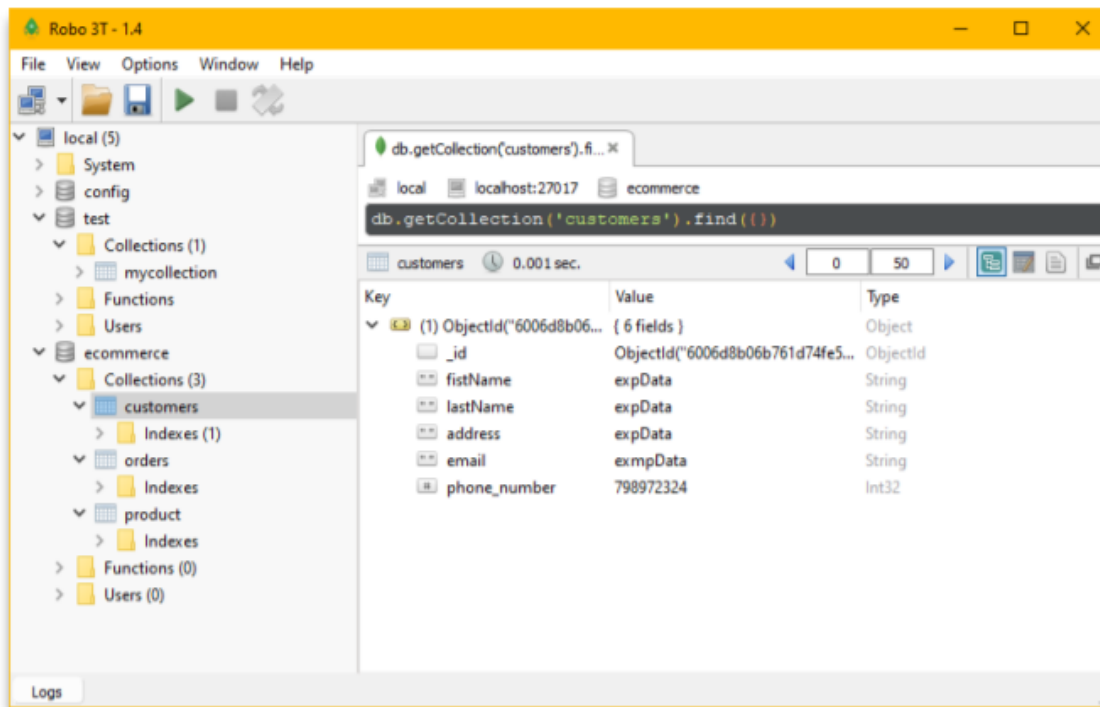


Figure 1 : Database model for ecommerce website

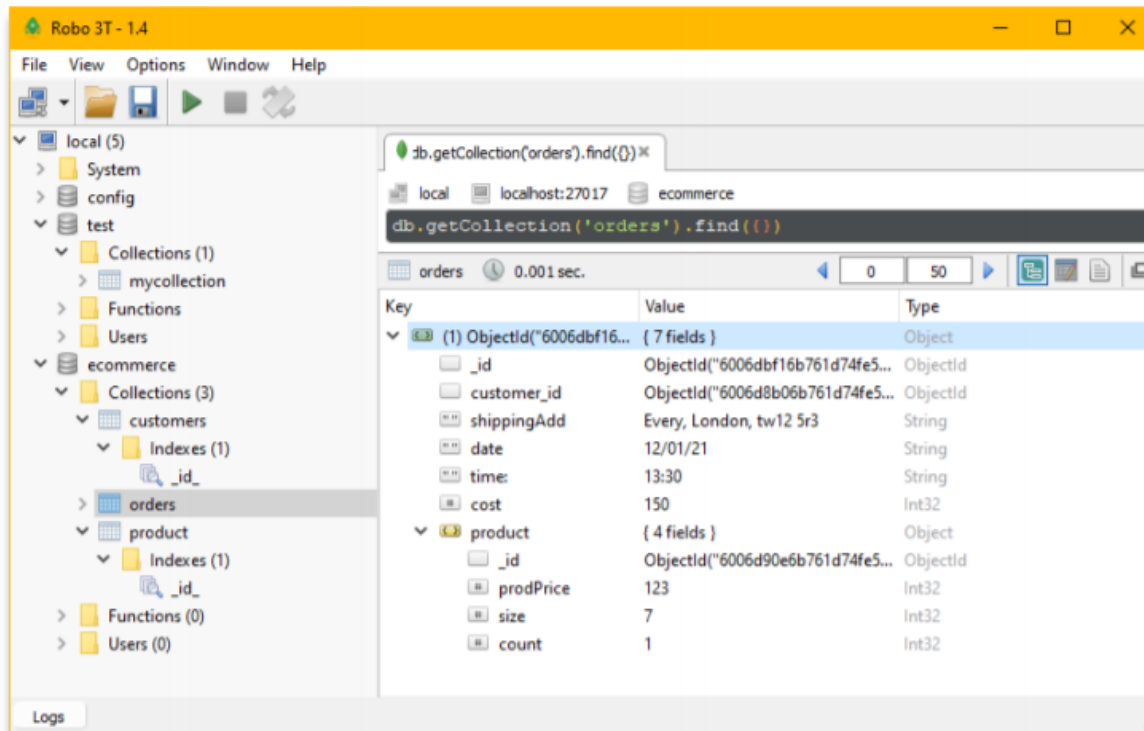
Customer Collection:



```
// Example Customer Document
{
  "_id" : ObjectId("6006d8b06b761d74fe52deb3"),
  "fistName" : "expData",
  "lastName" : "expData",
  "address" : "expData",
  "email" : "exmpData",
  "phone_number" : 798972324
}
```

Figure 2: Customer Document

Order Collection:

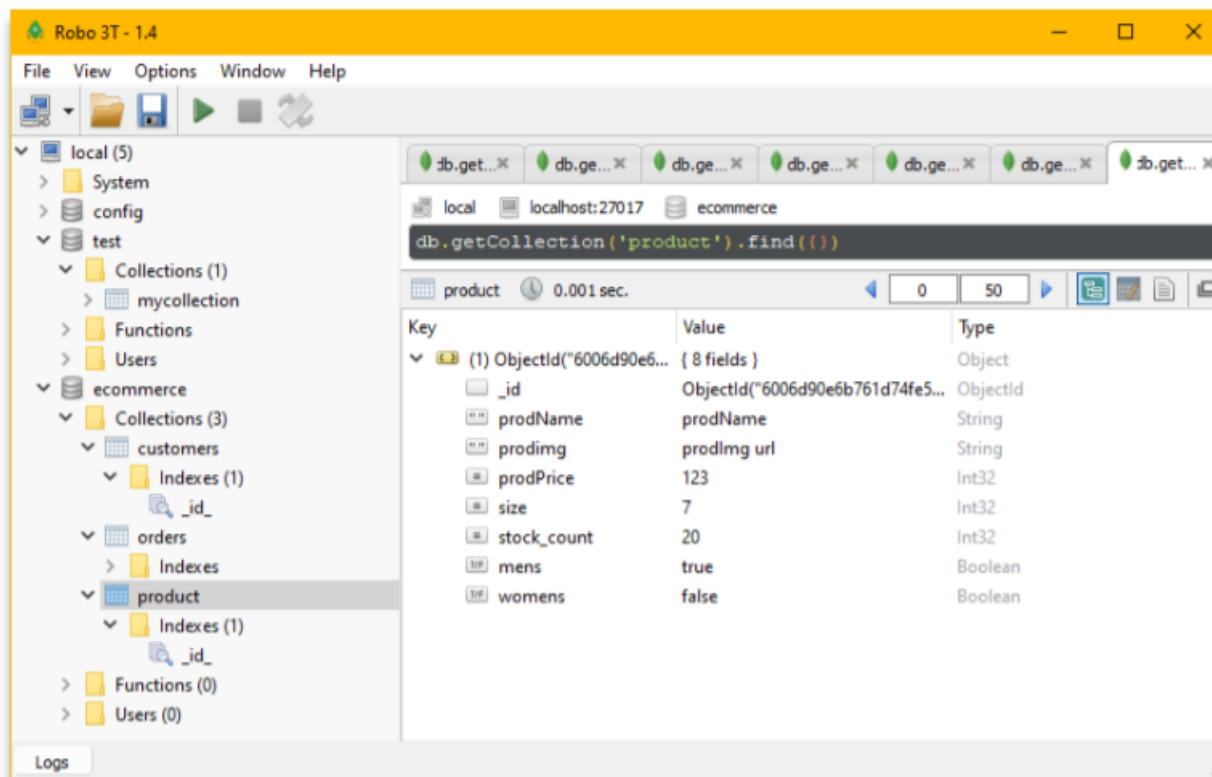


// Example Order Document

```
{
  "_id" : ObjectId("6006dbf16b761d74fe52e077"),
  "customer_id" :
  ObjectId("6006d8b06b761d74fe52deb3"),
  "shippingAdd" : "Every, London, tw12 5r3",
  "date" : "12/01/21",
  "time" : "13:30",
  "cost" : 150,
  "product" : {
    "_id" :
    ObjectId("6006d90e6b761d74fe52dedb"),
    "prodPrice" : 123,
    "size" : 7,
    "count" : 1
  }
}
```

Figure 3: Order Document

Product Collection:



// Example Product Document

```
{
  "_id" :
  ObjectId("6006d90e6b761d74fe52dedb"),
  "prodName" : "prodName",
  "prodimg" : "prodimg url",
  "prodPrice" : 123,
  "size" : 7,
  "stock_count" : 20,
  "mens" : true,
  "womens" : false
}
```

Figure 4: Product Document