Rajiv Gandhi Institute of Technology

Chola Nagar, Bengaluru, Karnataka - 560032

E - Commerce Website

Under the guidance of

Mrs. Pragathi M, Asst. Prof.

Dept of CSE,RGIT

- BAHADURI PRACHITI JAGDISH - 1RG17CS009
- PRAJWAL B MANI - 1RG17CS037

ABSTRACT

In this project, we are trying to replicate an eCommerce website using the Django framework. Irrespective of whether the user is logged in or not the user can add products to the cart and the session will be saved. Then for the checkout step, the user is asked for the authentication process. We have used SQLite for the database with the CRUD approach. The products are displayed as card elements. The user can search for the products using our search bar and the products are retrieved based on keywords in the title and description of the products. The cart is updated every time when the user alters the cart items. Every product and the user has a unique id so it's easy to track furthermore even we have a unique slug URLs generator for the products.

SYSTEM REQUIREMENTS

Hardware Requirements:

• Processor: Pentium or Higher.

(Preferred x64 bit – Intel i3 processor 1.6GHz)

• Ram: 4GB

• Hard Disk: 500GB (At least 80GB)

• Display: Intel HD graphics (128MB)

• Keyboard, Mouse

Software requirement:

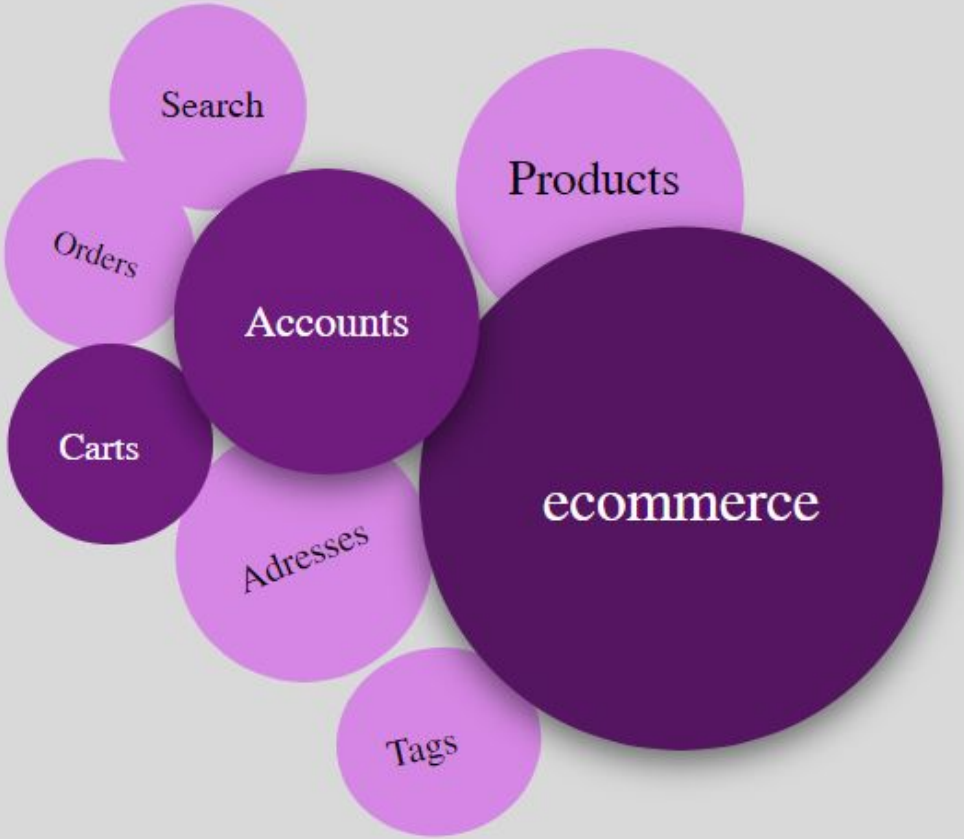
- Any OS with a web browser
- Editor: Visual Studio Code or any other editor.
- Web framework: Django
- Design Interface: HTML, Bootstrap and CSS

ABOUT THE PROJECT

- Online shopping had an initial reach that far outgrew and has broken down and removed the physical limitations of buying such as geography, presence, time, space, and a small target audience.
- This website has an intuitive interface and unique visual objects that is user friendly.
- There are 6 common pages when it comes to online shopping such as Home page, Login page, Register page, Cart page, Contact page, Products page.
- The main purpose of Ecommerce website is to provide a simpler and more secure site for users to choose from a wide range of products It also provides an ability for admins to track new products to be added in the products page. These product entries will then be updated in the database.

IMPLEMENTATION

Components of our project



C *reate*

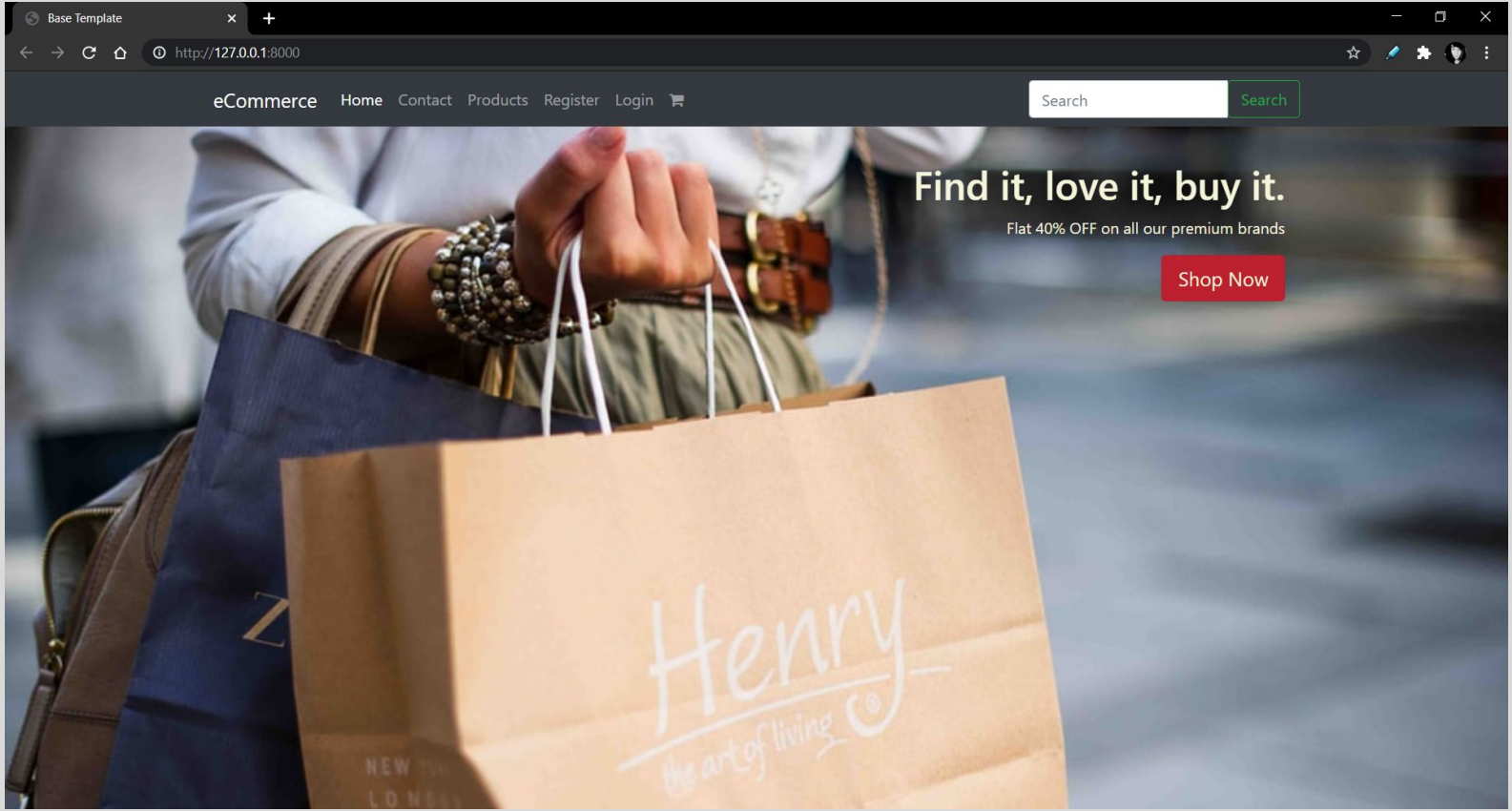
R *etrieve*

U *pdate*

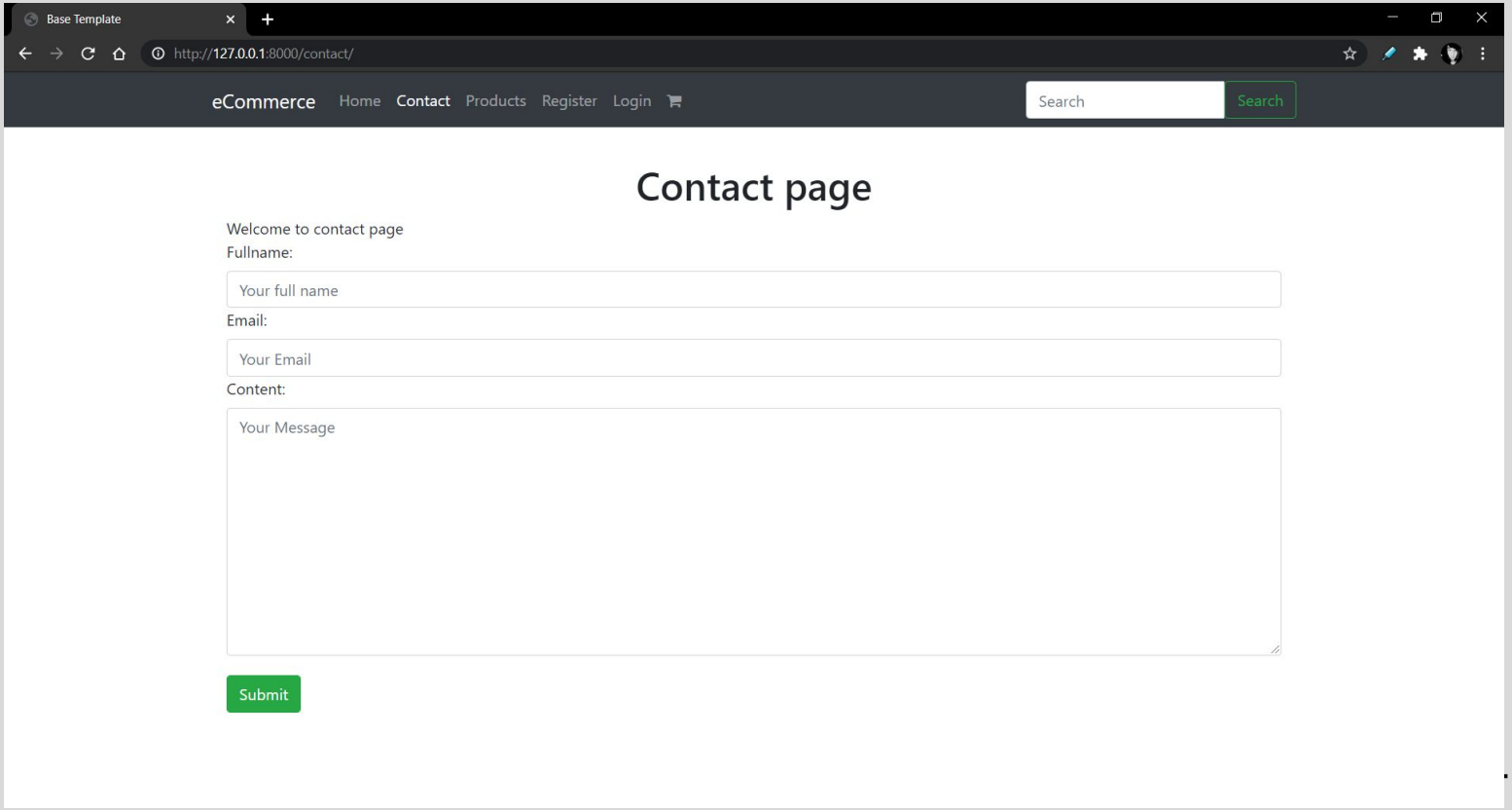
D *elete*

Django Signals & Sessions

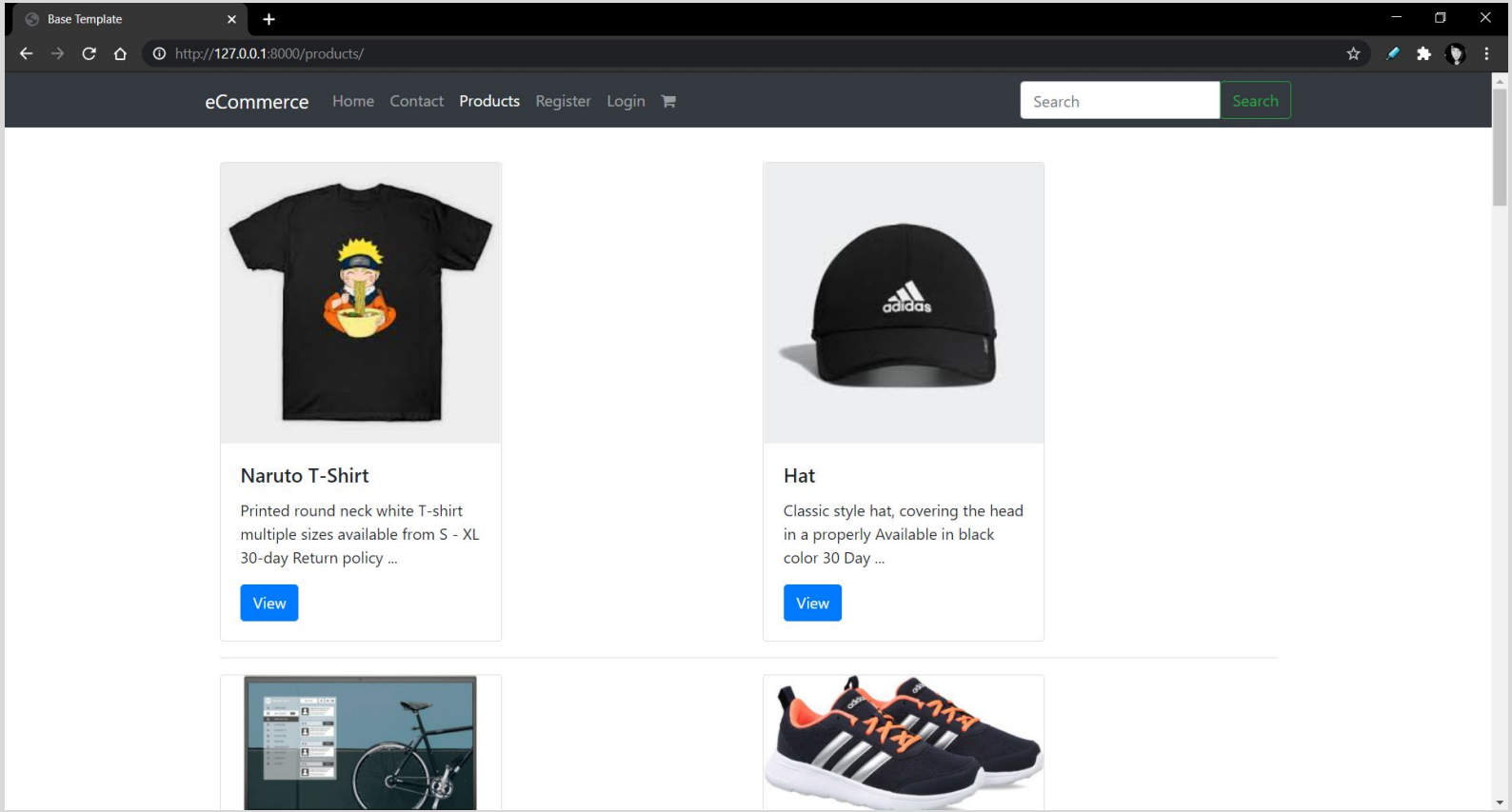
SCREENSHOTS - Home Page



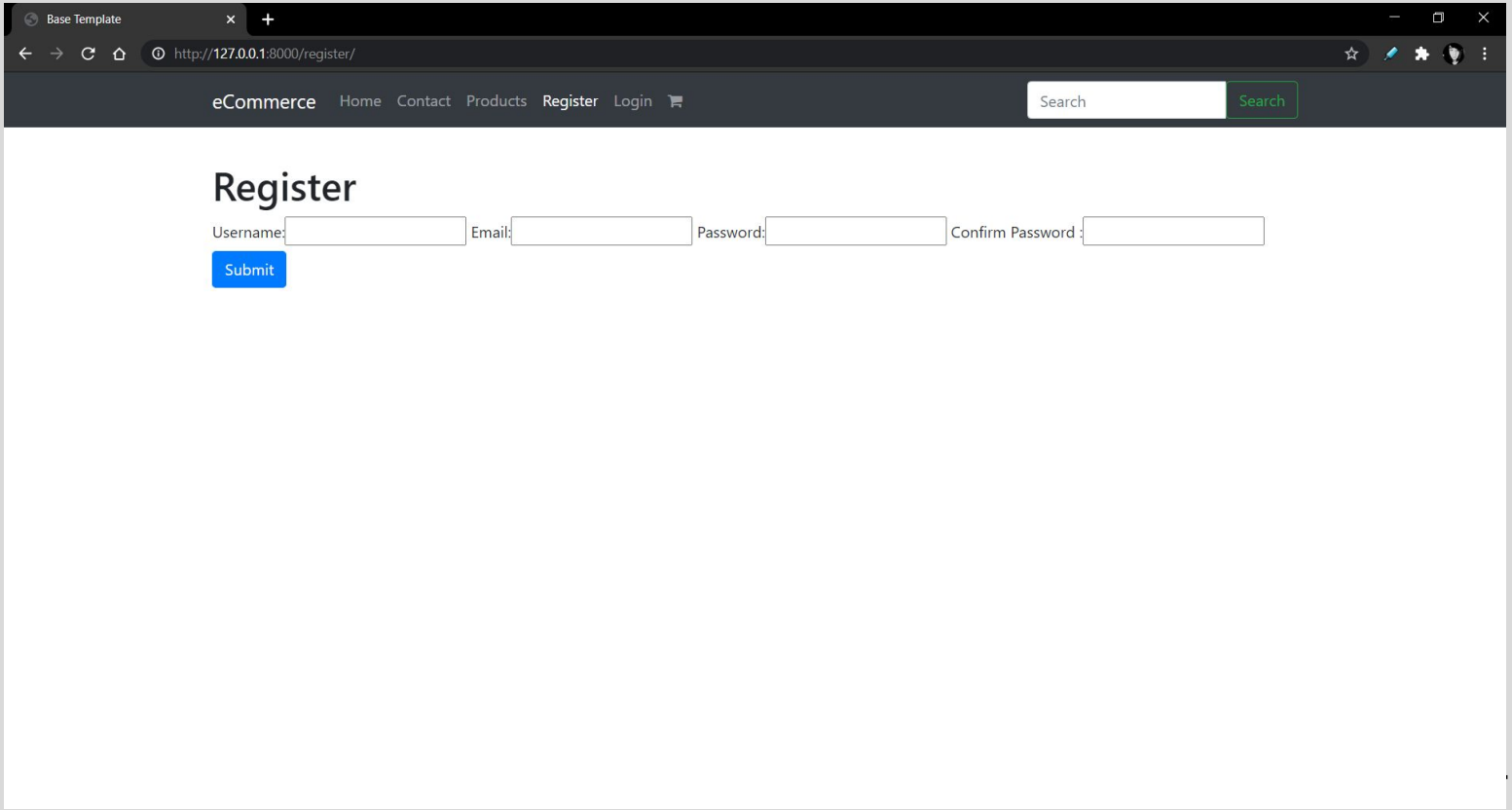
Contact Page



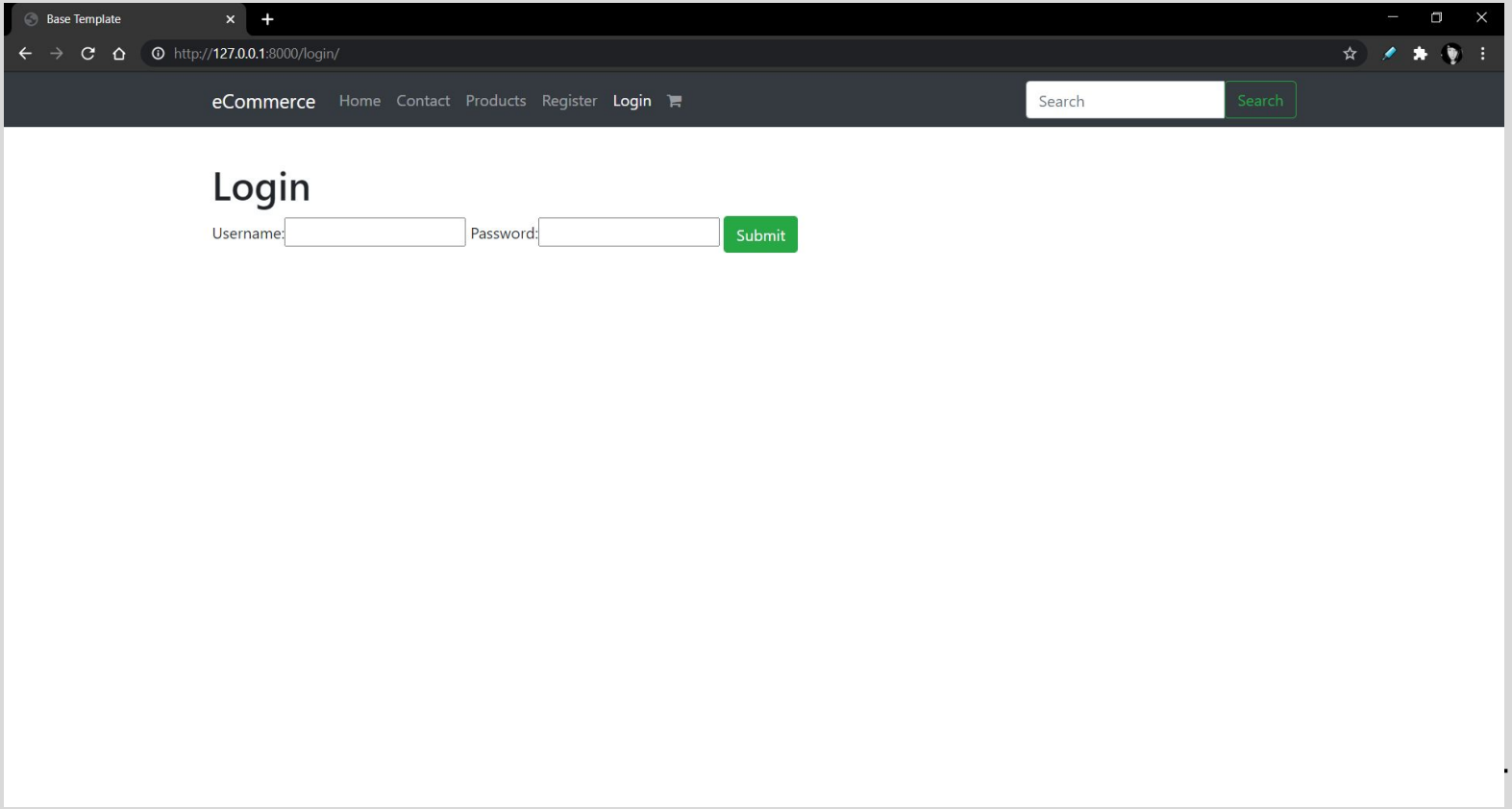
Products Page



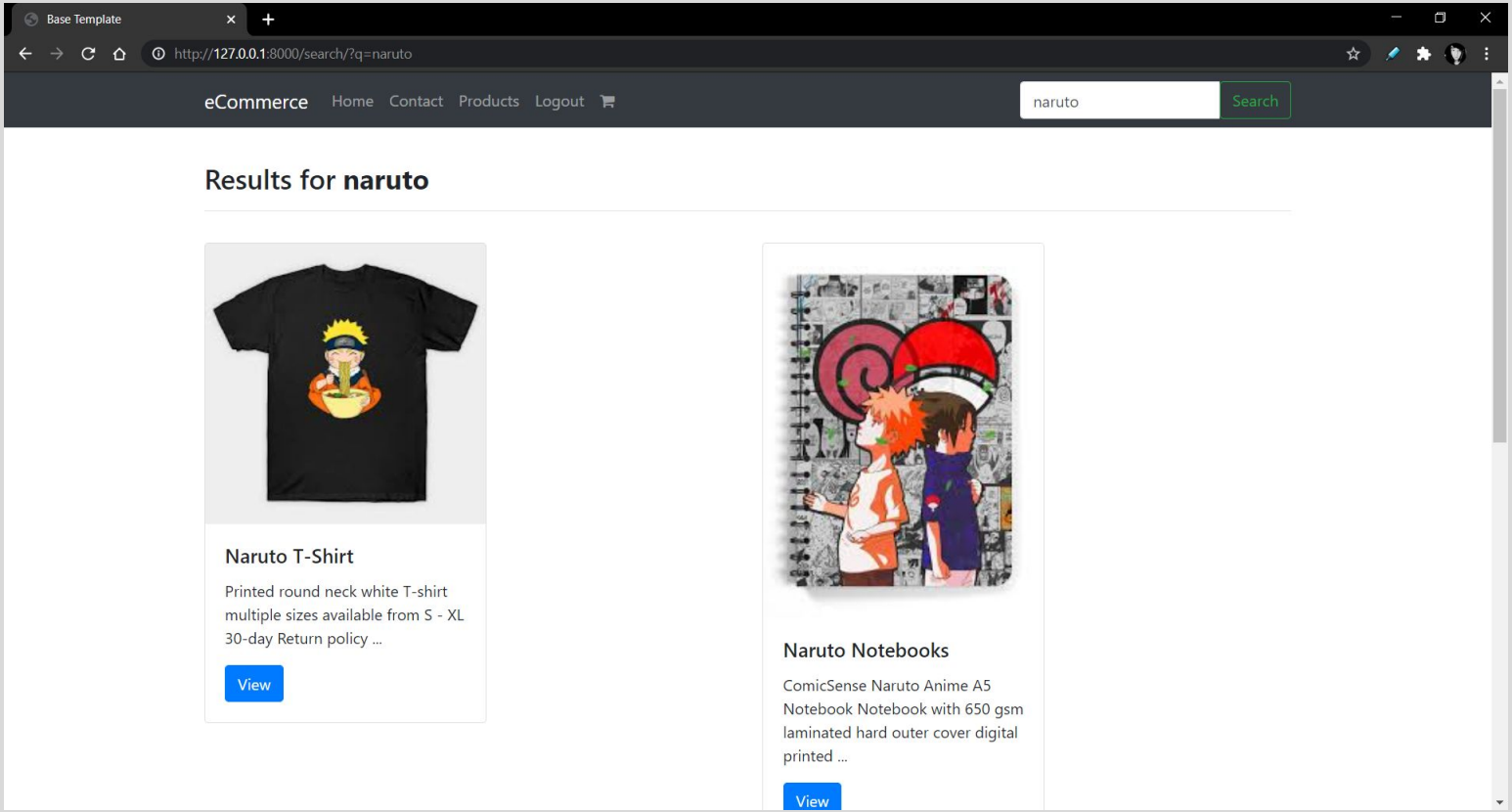
Register Page



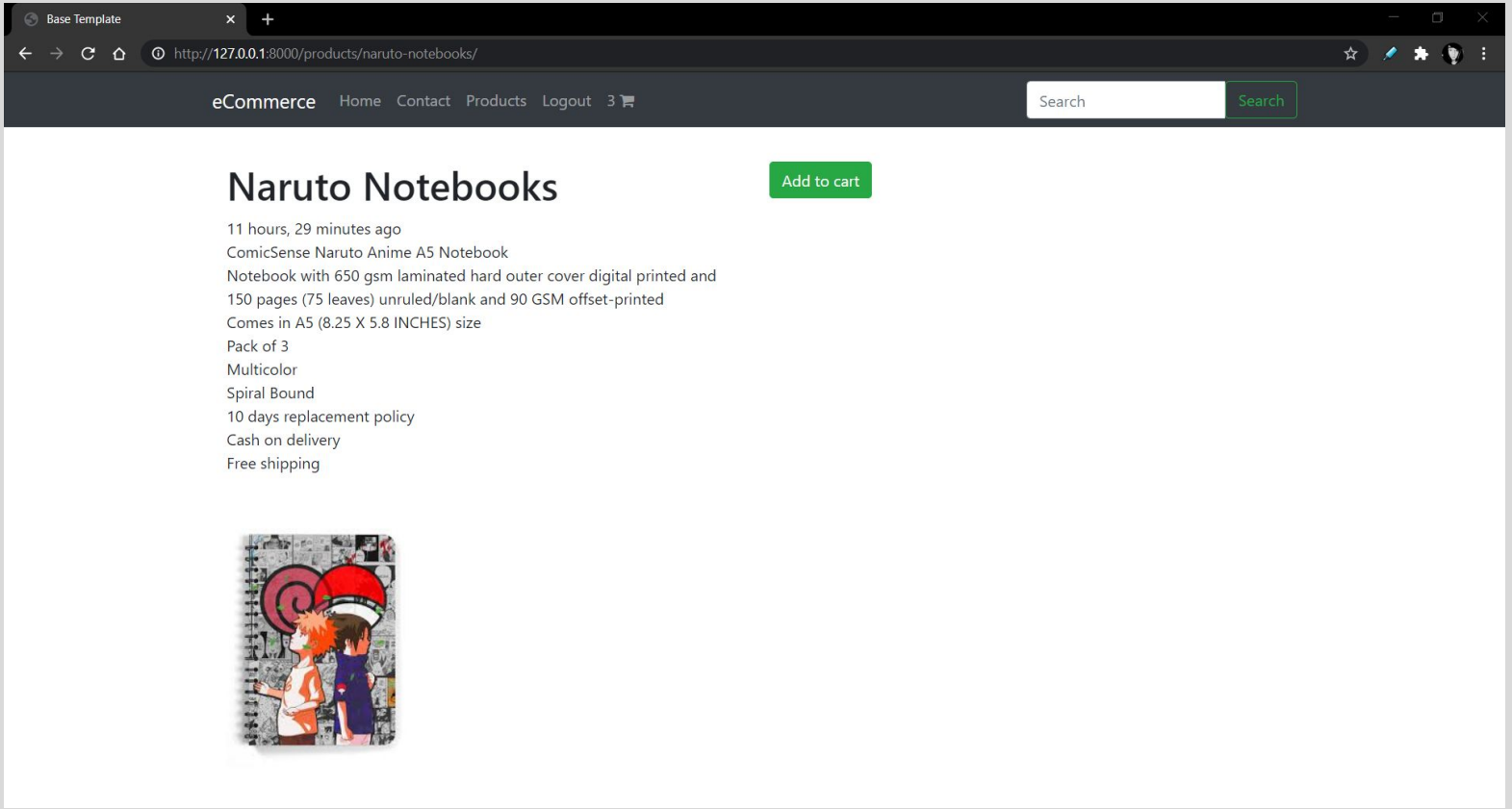
Login Page


Base Template
http://127.0.0.1:8000/login/
eCommerce
Home
Contact
Products
Register
Login
Search
Search
Login
Username:
Password:
Submit

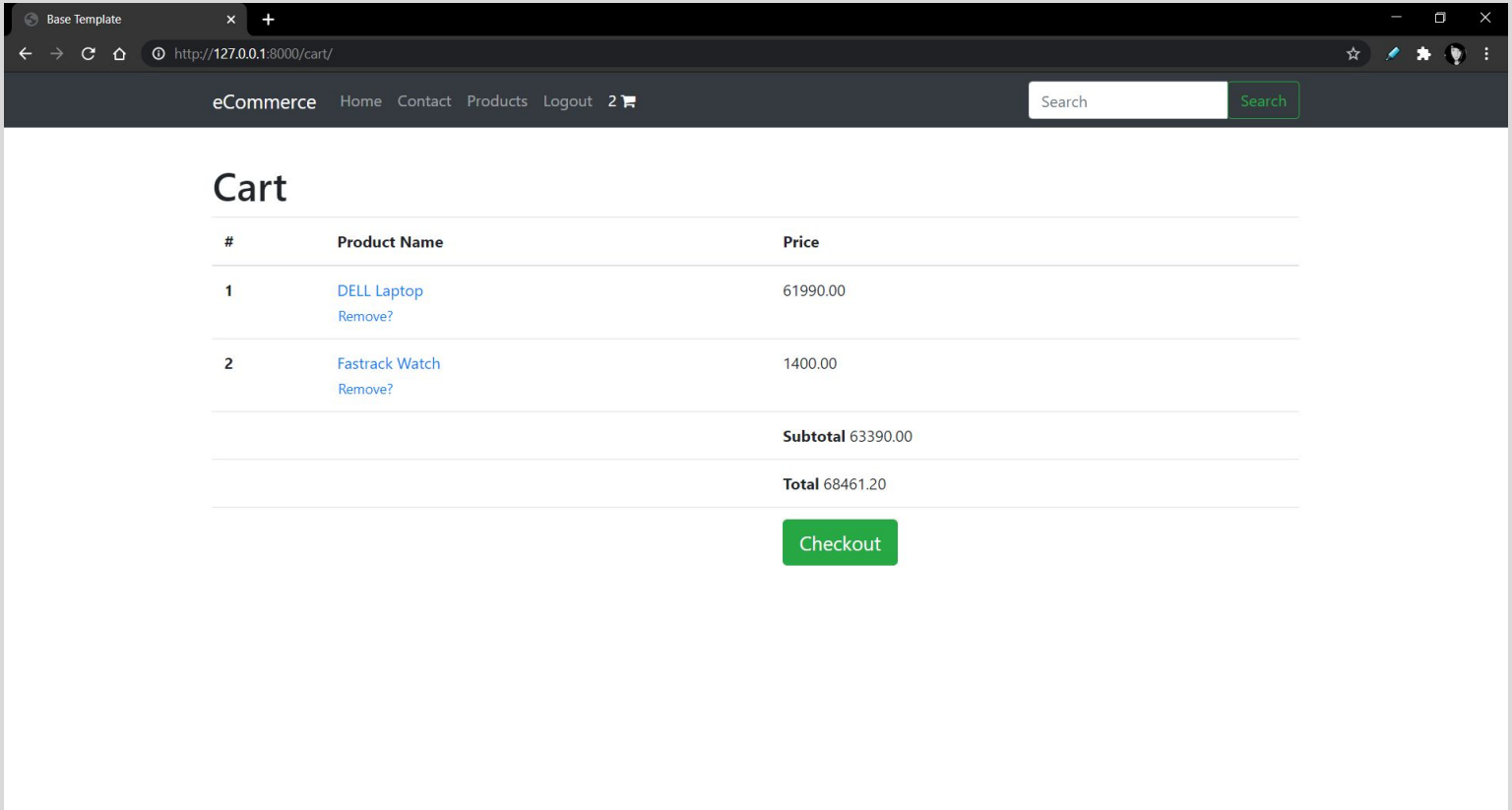
Results Page



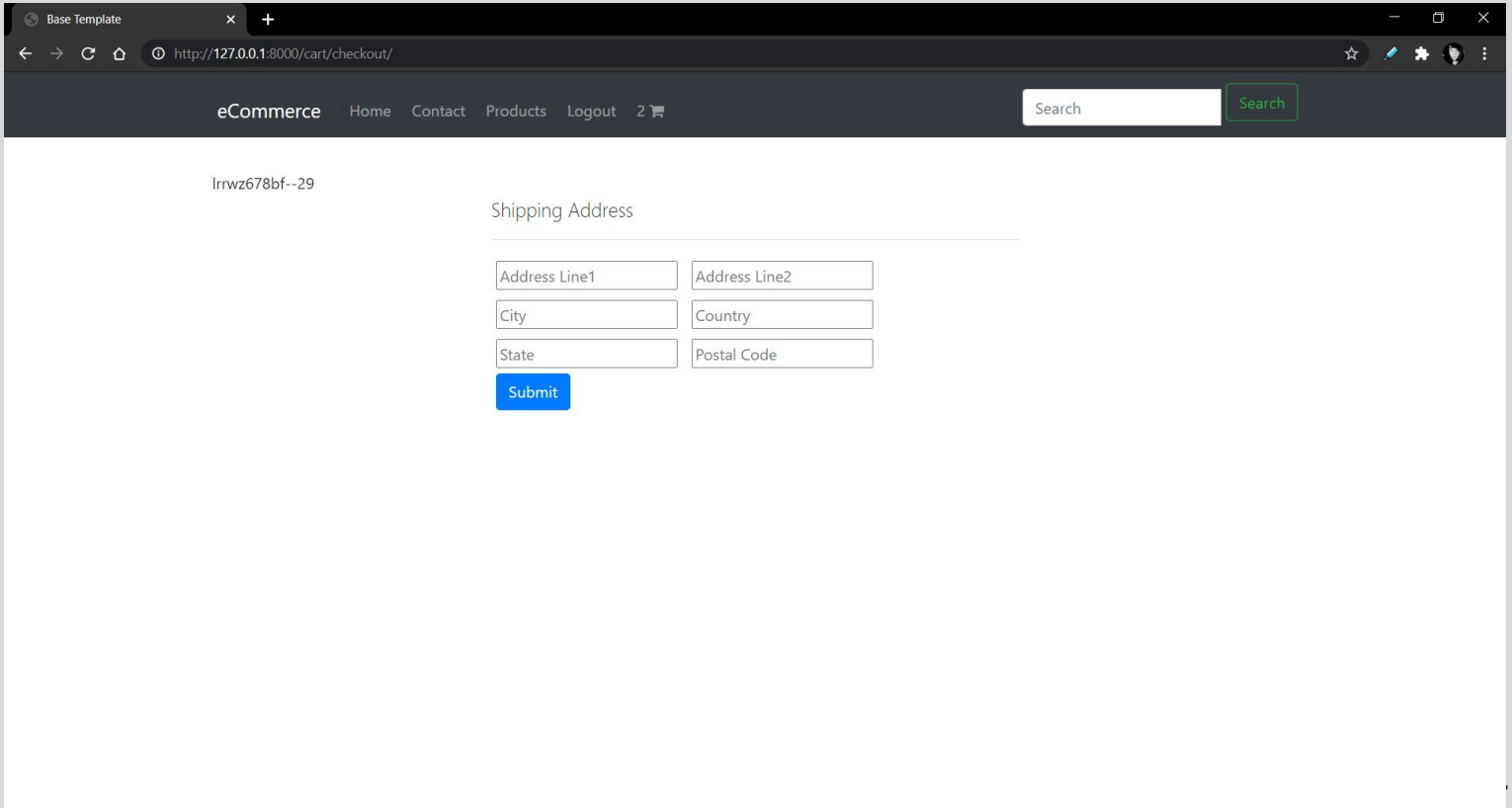
Single product Page



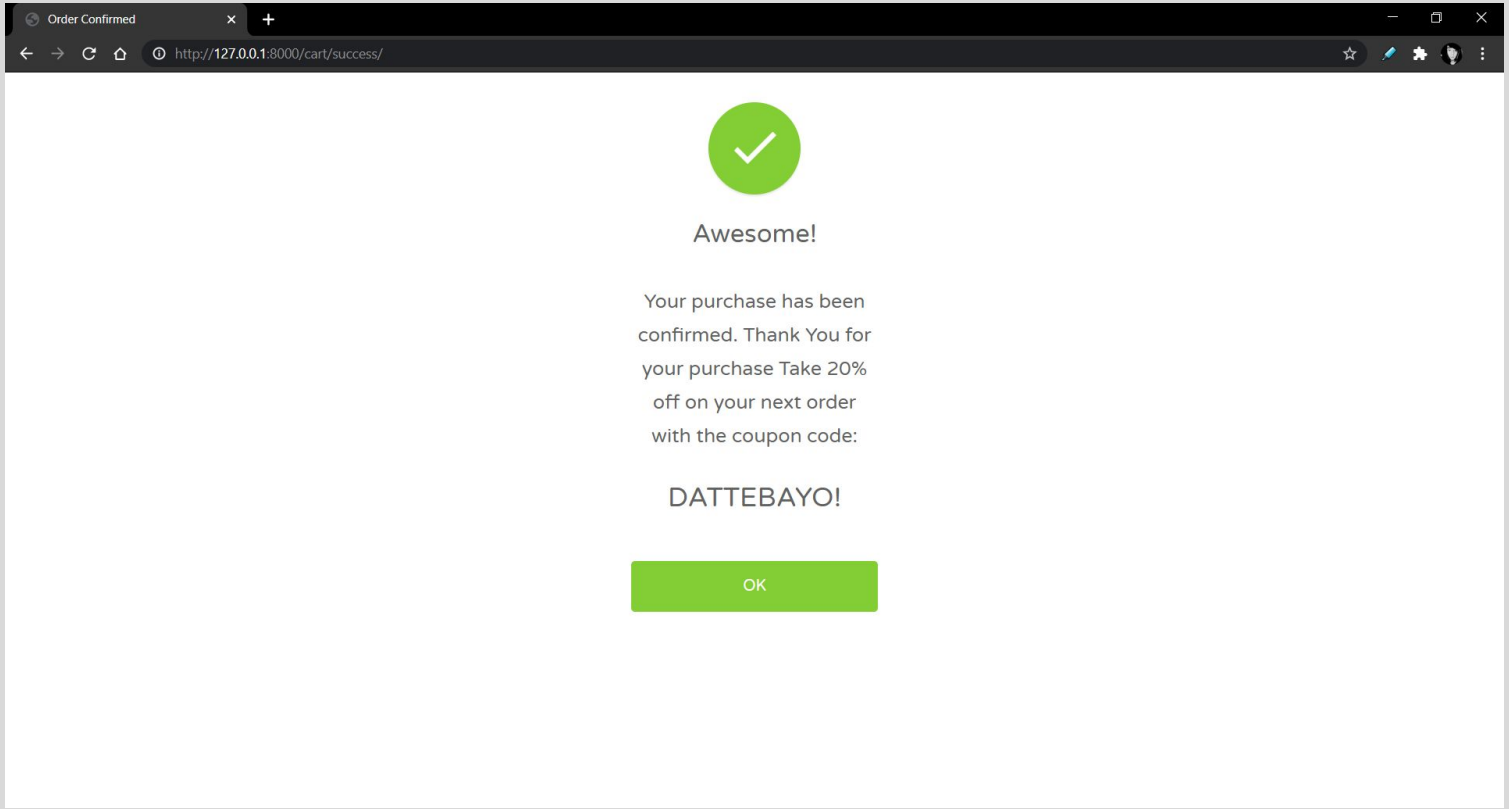
Cart Page


Base Template
http://127.0.0.1:8000/cart/
eCommerce
Home
Contact
Products
Logout
2
Search
Search
Cart
Product Name Price
1 DELL Laptop 61990.00
Remove?
2 Fastrack Watch 1400.00
Remove?
Subtotal 63390.00
Total 68461.20
Checkout

Shipping Address Page



Success Page



FUTURE ENHANCEMENTS

- Using stripe API for payment
- Integration of Google sign-in
- Creating an Admin interface
- Improving the design
- Deploy on some host

CONCLUSION

- E – Commerce Website is a new experience and has greatly impacted the lives of consumers in its short time of existence.
- It has driven businesses to a new level, forcing many to make the necessary adjustments and changes to reach the new market of knowledgeable consumers.
- Customers can browse any product and their details and can purchase the products.
- There is more of advancement to be added , that we can do in the future enhancement

REFERENCES

- https://docs.djangoproject.com/en/3.1/
- https://getbootstrap.com/
- https://www.w3schools.com/bootstrap4/default.asp
- https://www.w3schools.com/html/default.asp

<h1>Thank You!</h1>