



---

# **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*



The Django logo is displayed in white text on a black rectangular background. The word 'django' is in a lowercase, sans-serif font.



The Bootstrap logo is centered on a black background with a checkerboard pattern. It features a light gray rounded square containing a white letter 'B', with the word 'Bootstrap' in a white sans-serif font below it.

---

## Components of our project



---

***C*** *reate*

***R*** *etrieve*

***U*** *pdate*

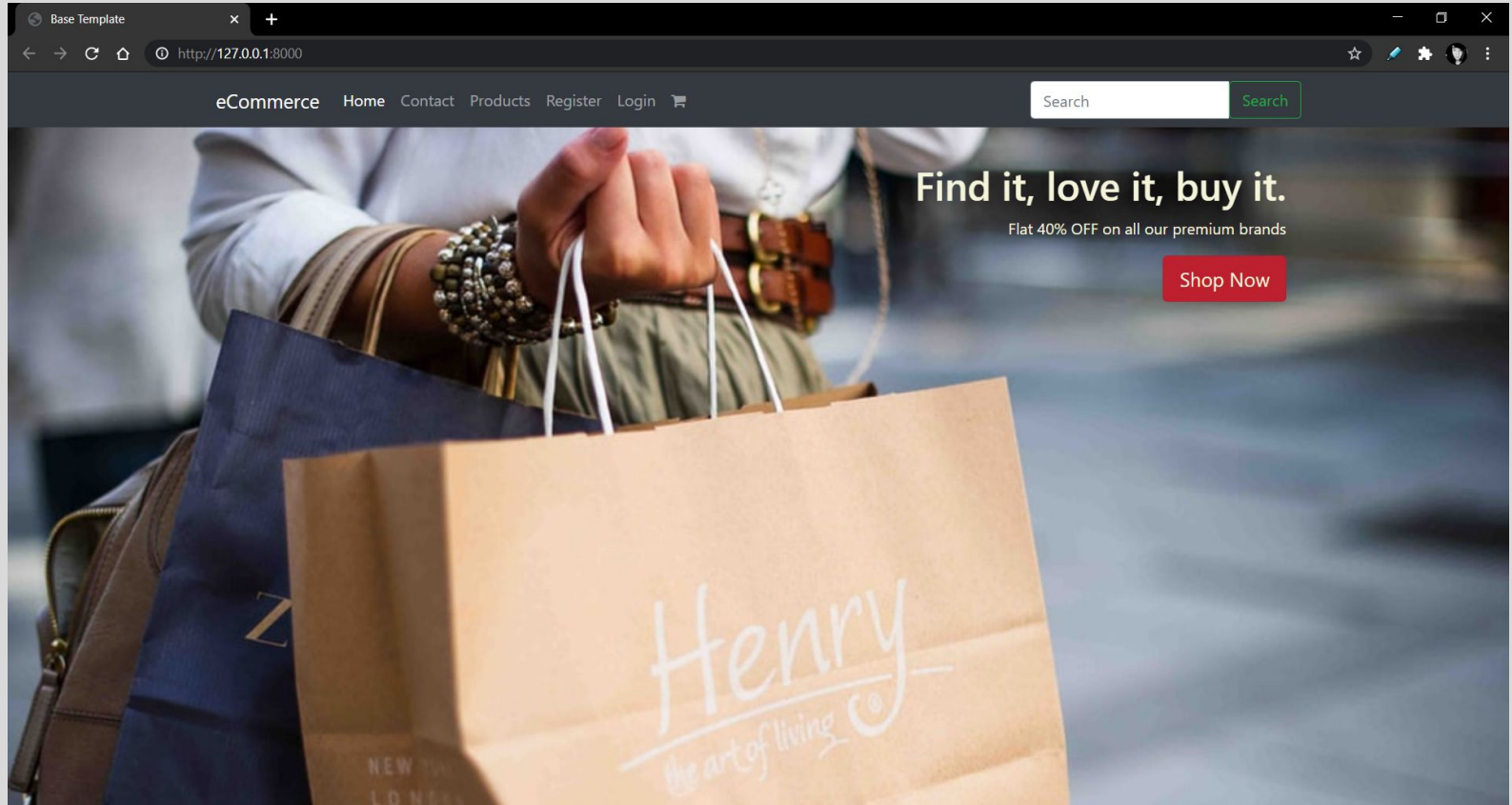
***D*** *elele*

---

# Django Signals & Sessions

---

# SCREENSHOTS - Home Page





# Contact Page

Base Template x +

← → ↻ 🏠 🔍 http://127.0.0.1:8000/contact/ ☆ ⚙️ 👤 ⋮

eCommerce Home **Contact** Products Register Login 🛒

Search Search

## Contact page

Welcome to contact page

Fullname:

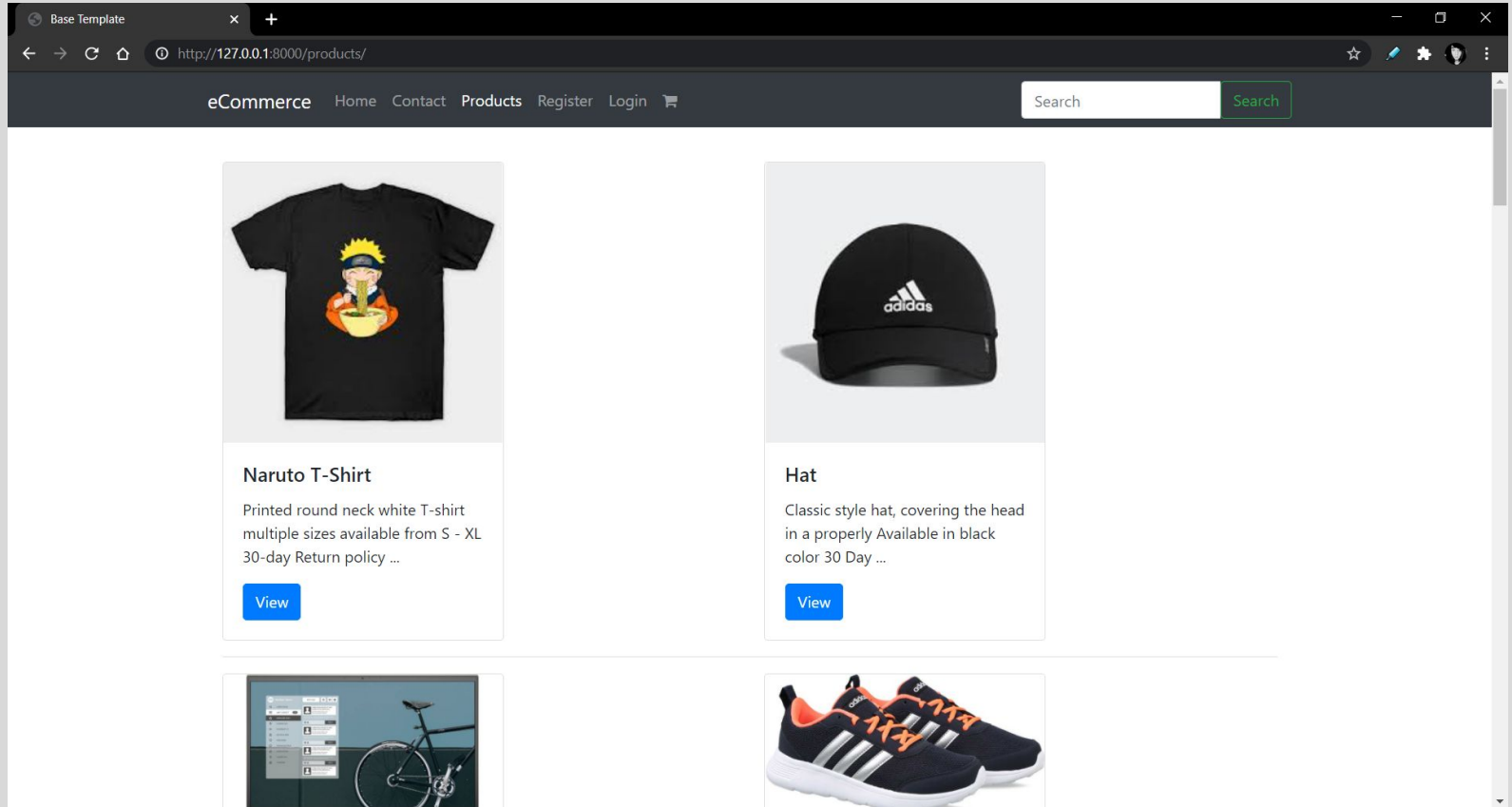
Email:

Content:

Your Message

Submit

# Products Page



# Register Page

Base Template

← → ↻ 🏠 🔒 http://127.0.0.1:8000/register/ ☆ 🛠️ 👤 ⋮

eCommerce Home Contact Products Register Login 🛒

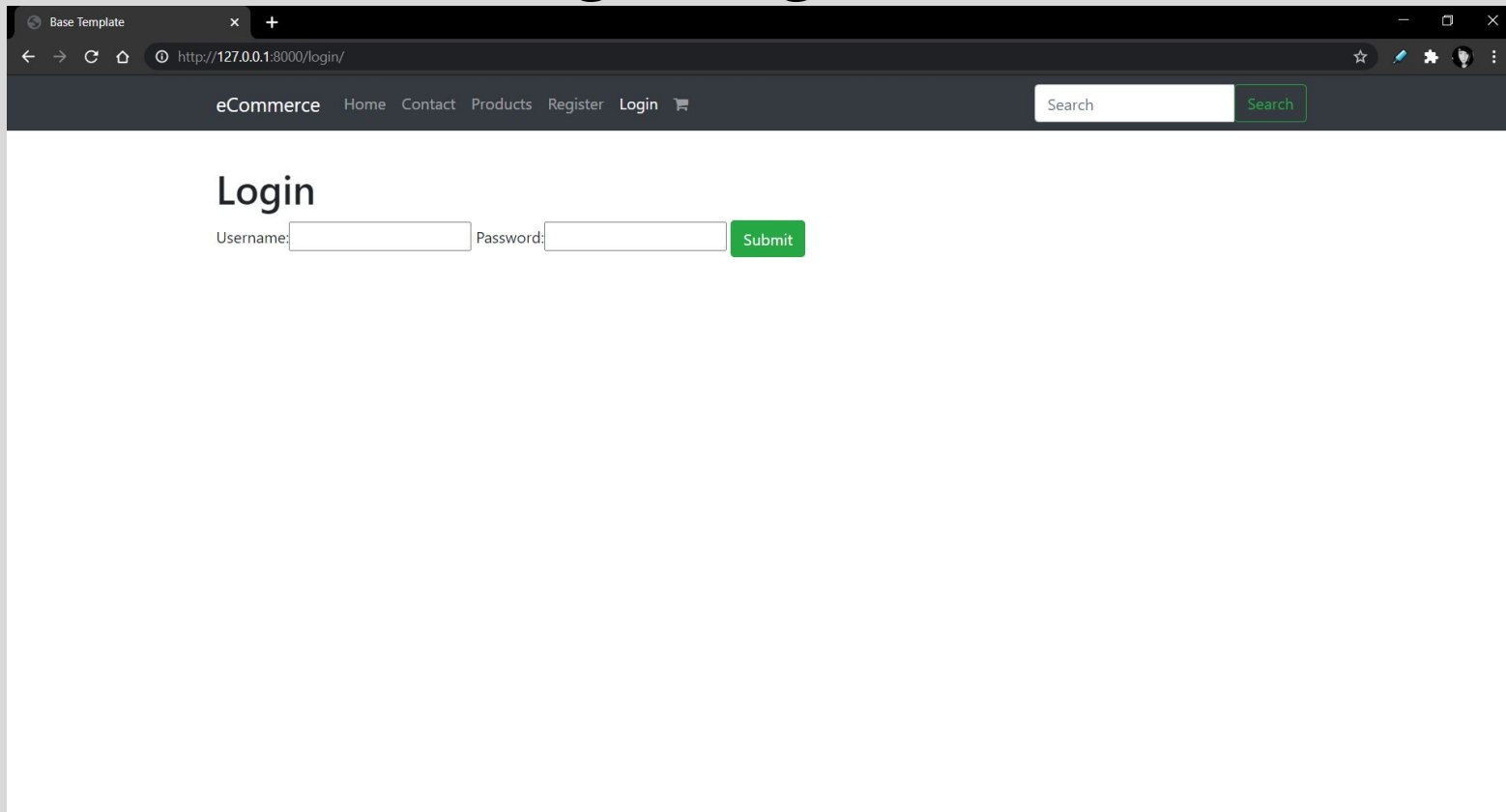
Search Search

## Register

Username:  Email:  Password:  Confirm Password:

Submit

# Login Page



The screenshot shows a web browser window with a dark theme. The address bar displays the URL `http://127.0.0.1:8000/login/`. The browser's tab is labeled "Base Template". The page's header is a dark grey bar containing the text "eCommerce" followed by navigation links: "Home", "Contact", "Products", "Register", and "Login". A shopping cart icon is also present. To the right of the links is a search bar with the placeholder text "Search" and a green "Search" button. The main content area is white and features the heading "Login" in a large, bold font. Below the heading are two input fields: "Username:" followed by a text box, and "Password:" followed by a text box. To the right of these fields is a green "Submit" button.

Base Template

← → ↻ 🏠 🔒 `http://127.0.0.1:8000/login/` ☆ ⚙️ 👤 ⋮

eCommerce Home Contact Products Register Login 🛒

Search Search

## Login

Username:  Password:

# Results Page

Base Template

⌵ +

⏪ ⏩ ↺ 🏠

http://127.0.0.1:8000/search/?q=naruto


☆ ⚙️ 👤 ⋮

eCommerce

Home Contact Products Logout 🛒

Search


Results for naruto



**Naruto T-Shirt**

Printed round neck white T-shirt  
multiple sizes available from S - XL  
30-day Return policy ...

[View](#)

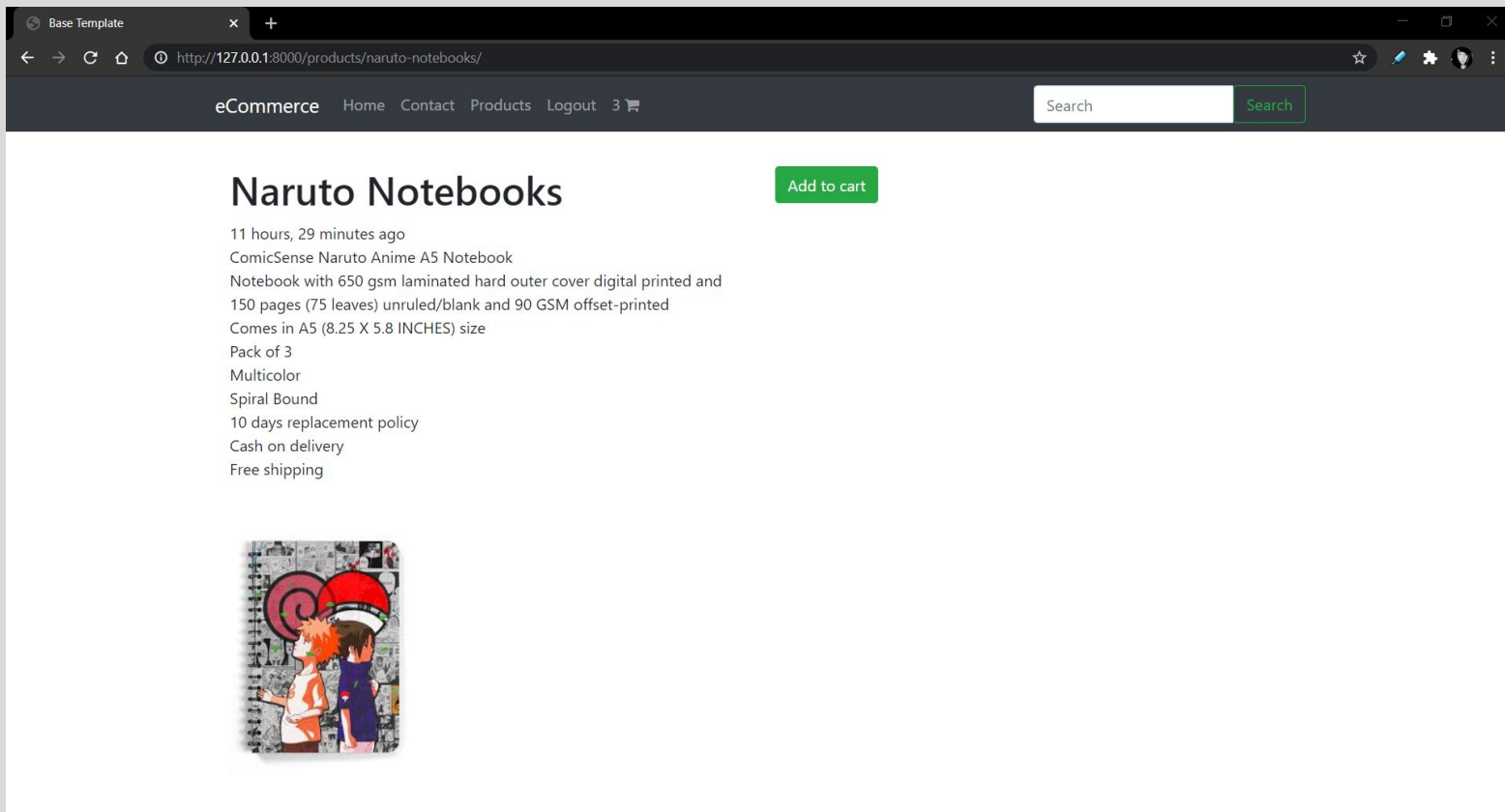


**Naruto Notebooks**

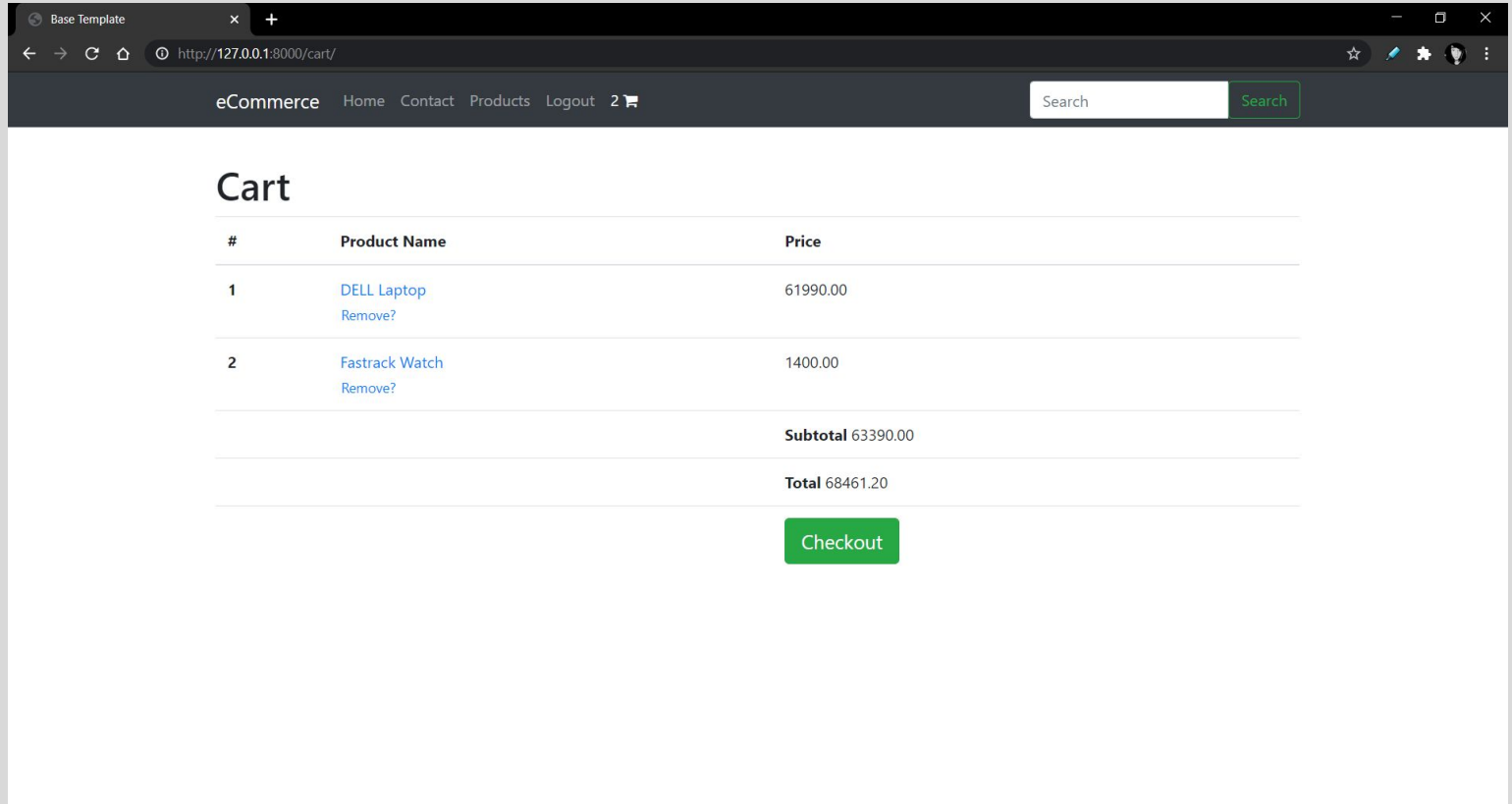
ComicSense Naruto Anime A5  
Notebook Notebook with 650 gsm  
laminated hard outer cover digital  
printed ...

[View](#)

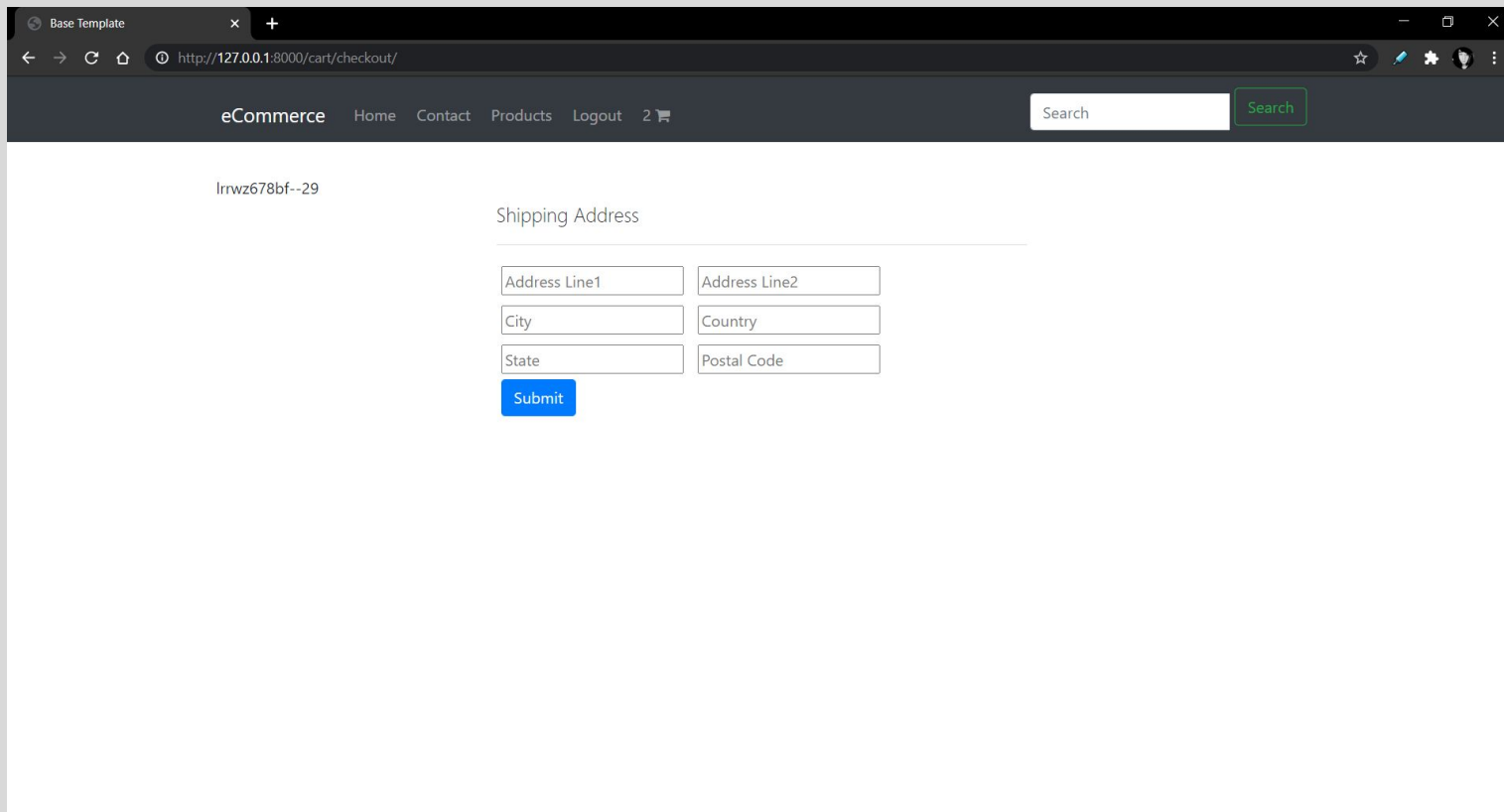
# Single product Page



# Cart Page



# Shipping Address Page



The screenshot shows a web browser window with the title 'Base Template'. The address bar displays 'http://127.0.0.1:8000/cart/checkout/'. The browser's navigation bar includes a search bar with the text 'Search' and a green 'Search' button. Below the navigation bar, the page content is displayed. On the left, the text 'lrrwz678bf--29' is visible. In the center, the heading 'Shipping Address' is followed by a form with five input fields: 'Address Line1', 'Address Line2', 'City', 'Country', 'State', and 'Postal Code'. A blue 'Submit' button is located below the 'State' and 'Postal Code' fields.

Base Template

http://127.0.0.1:8000/cart/checkout/

eCommerce Home Contact Products Logout 2

Search Search

lrrwz678bf--29

Shipping Address

Address Line1 Address Line2

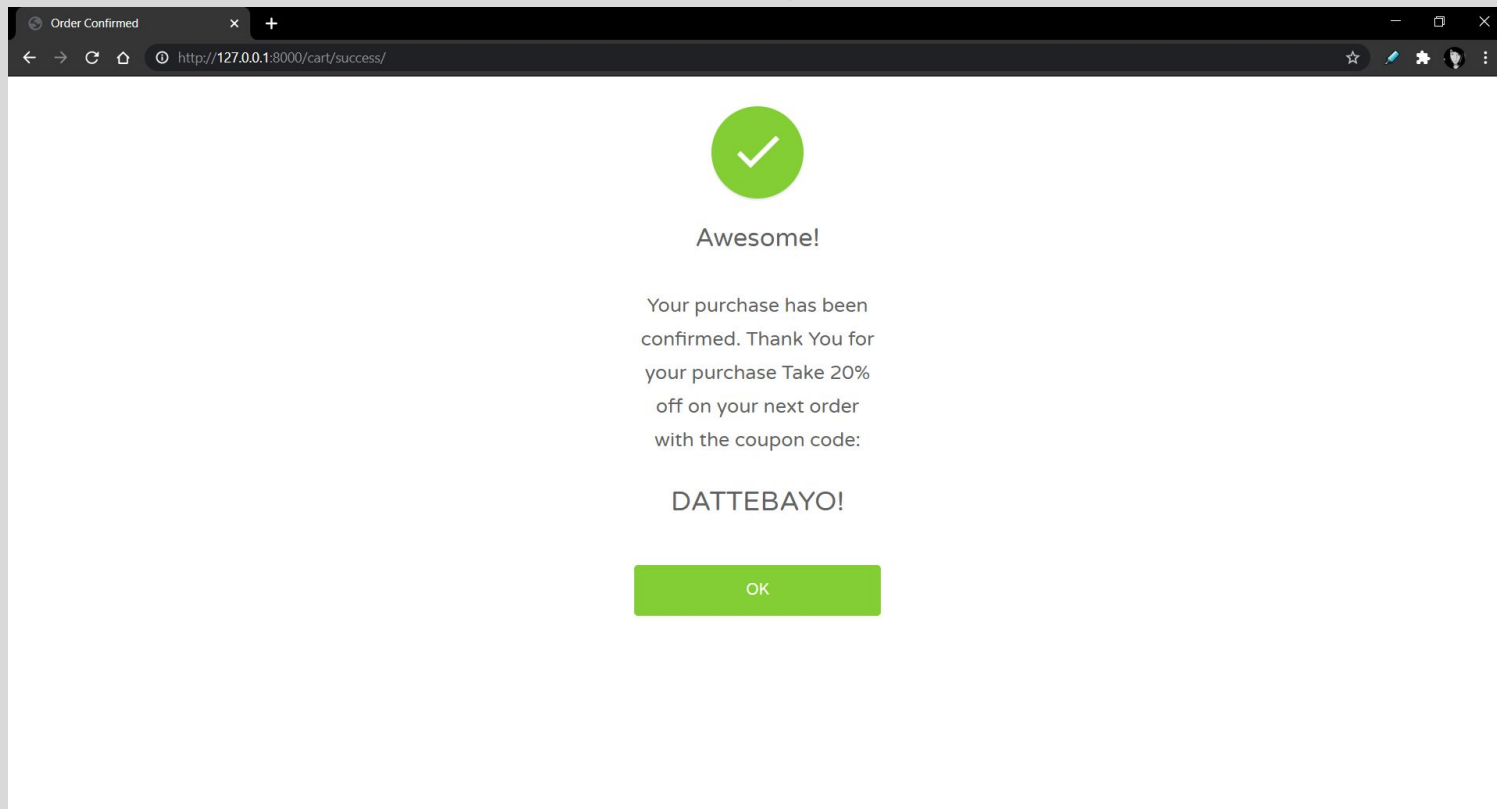
City Country

State Postal Code

Submit



# 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>***

---