

A Group Report on
E-COMMERCE WEBSITE

*Submitted in the fulfilment of the requirements of the Internet and
Web Technologies Course*

Submitted by

DEEPSIKHA ADIDAM	160120733002
JAHNAVI MANOJ	160120733003
LALASA REDDY J	160120733007
DHRUV SAXENA	160120733029
GOPAL MATCHA	160120733032
PRATHAM REDDY V	160120733038
SAI GANESH MANDALA	160120733043
RUTHVIK REDDY	160120733046



Submitted to
Sri. R. Srikanth
Assistant Professor
Computer Science and Engineering
Chaitanya Bharathi Institute of Technology

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OBJECTIVE

To create a small-scale E-Commerce website, where users will have the opportunity to buy products online. Currently, the main functionality of the web application would be to enable users to select items, add it to their carts and eventually buy them through their preferred choice of payment. The application aims to be intuitive where all processes can be easily performed, enriching the user experience. To address the above-mentioned criterion, Django along with HTML, CSS and JS are used. Additional APIs are used to manage the payment window, tokens and cookies of a particular session.

INTRODUCTION

E-commerce is the activity of selling or buying goods over the internet. Examples include Amazon, Flipkart etc. An e-commerce website is expected to handle a lot of features and humongous amounts of data, like data of the seller, buyer, product, product reviews, similar products etc.

To handle and meet such expectations, we have chosen to use the python web development framework – Django. Django is a feature rich package, its:

- Scalable
- Maintainable
- Portable

Django is also very popular, and the community is thriving and vivid. The documentation of Django is easy to read and understand, which makes development using Django easier.

Django follows the ‘batteries included’ ideology, Django is based on the MVT model, which is in-turn inspired by the MVC model. It also comes with an in-built database (SQLite3).

Django simplifies repetitive tasks like:

- Forms
- User authentication and permissions
- Caching
- Admin site
- Serializing data

TECHNOLOGIES USED

HTML



CSS



JS

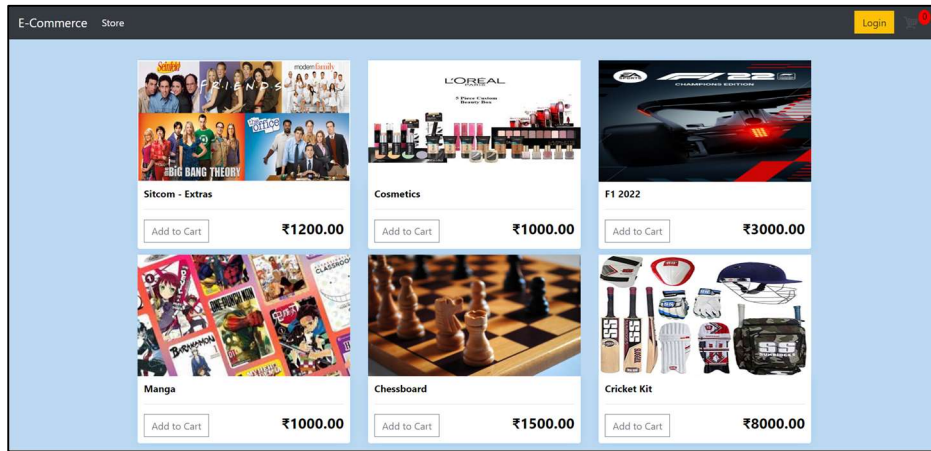


TARGETED AUDIENCE

The main purpose of an E-Commerce website is to facilitate the easy purchase and sale of commodities over the internet. Thus, the website can be huge boon to both buyers and sellers alike. Traders or organizations can register themselves on the portal to sell their products to a larger audience. Similarly, users can avail the benefits of the website to buy and return products at the most affordable prices at their ease.

OUTPUTS

Index Page



Shopping Cart

Items: 5		Total: ₹14700.00			Checkout
	Item	Price	Quantity	Total	
	Sitcom - Extras	₹1200.00	1	₹1200.00	
	F1 2022	₹3000.00	1	₹3000.00	
	Manga	₹1000.00	1	₹1000.00	
	Chessboard	₹1500.00	1	₹1500.00	
	Cricket Kit	₹8000.00	1	₹8000.00	

Updated Shopping Cart

Items: 7		Total: ₹16900.00			Checkout
	Item	Price	Quantity	Total	
	Sitcom - Extras	₹1200.00	2	₹2400.00	
	F1 2022	₹3000.00	1	₹3000.00	
	Manga	₹1000.00	2	₹2000.00	
	Chessboard	₹1500.00	1	₹1500.00	
	Cricket Kit	₹8000.00	1	₹8000.00	

Checkout Page

E-CommerceStore

login

Name..

Email..

Shipping Information:

Address..

City..


State..

Zip code..

Continue

Back to Cart


Order Summary



Sitcom - Extras

₹1200.00


x2



F1 2022

₹3000.00


x1



Manga

₹1000.00


x2



Chessboard

₹1500.00

x1



Cricket Kit

₹8000.00

x1

Items: 7

Total: ₹16900.00

E-CommerceStore

login

Team A?

test@gmail.com

Shipping Information:

Owen's Place

Mos Esley

Tatooline


TAT001

T0001

Continue

Back to Cart


Order Summary



Sitcom - Extras

₹1200.00


x2



F1 2022

₹3000.00


x1



Manga

₹1000.00


x2



Chessboard

₹1500.00

x1



Cricket Kit

₹8000.00

x1

Items: 7

Total: ₹16900.00

Payments Page (Screen Size: 50%)

E-CommerceStore

login

Team A?

test@gmail.com

Shipping Information:

Owen's Place

Mos Esley

Tatooline

TAT001

T0001

Payment Options

Debit or Credit Card

Card number

Expires

CSC

Billing address

First name

Last name

Street address

Appt. no., bldg

City

State

ZIP code

Phone +1

Email

☒ Ship to billing address


By continuing, you confirm you're 18 years or older.

Pay Now

Powered by PayPal

Back to Cart


Order Summary



Sitcom - Extras

₹1200.00


x2



F1 2022

₹3000.00


x1



Manga

₹1000.00


x2



Chessboard

₹1500.00

x1



Cricket Kit

₹8000.00

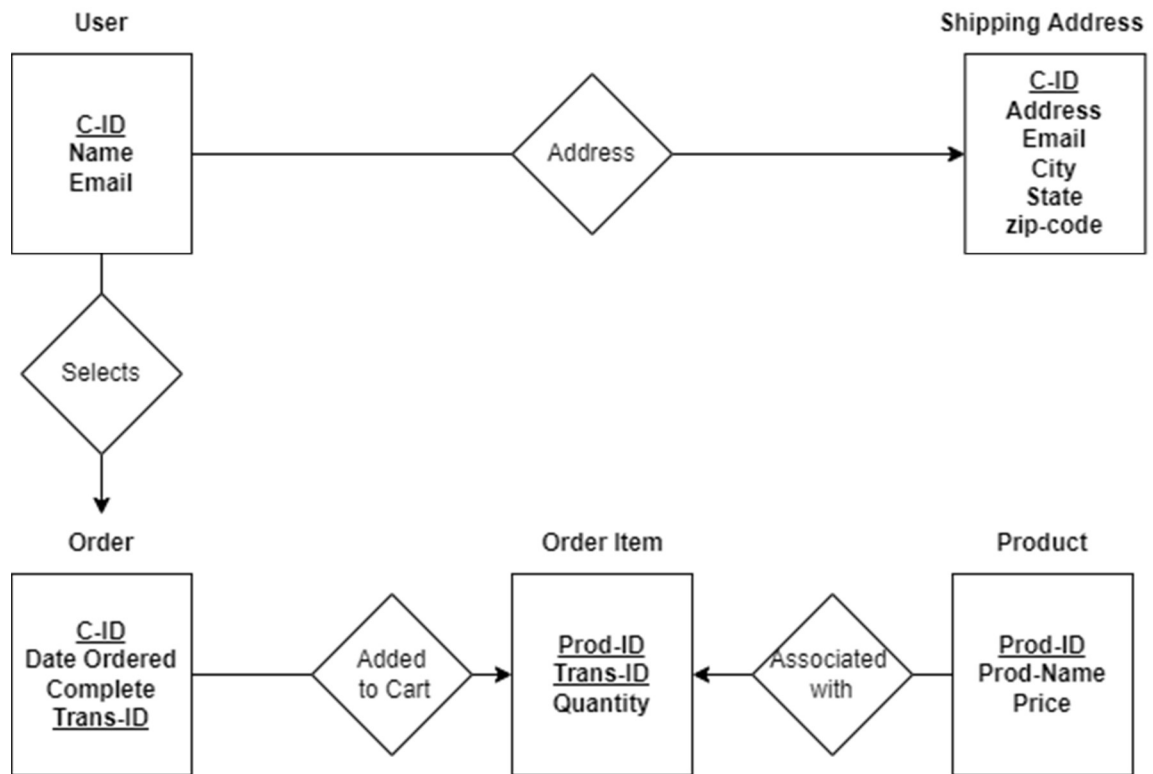
x1

Items: 7

Total: ₹16900.00

6

DATABASE DESIGN



CONCLUSION

Our small-scale e-commerce was successfully developed using Django. The pre-existing database made it easier to handle data and execute CRUD operations using the model.