
SHOPIFY ONLINE E-COMMERCE WEBSITE

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ABSTRACT

As we know that this Ecommerce sector has been started since early 1990's which has increased itself in an exponential manner. Generally an E-Commerce stands for Electronic Commerce and if we talk about the main aim of this sector is to provide goods and services in a very efficient manner to any consumer over the means of Internet. Since the increased growth of this system had made a very influential strategy to our customers and marketers. Now a days as we know that there is a very great internet penetration in our growing environment this had also lead to very increase in E Commerce sector. This research paper is designed to study the main methodology of a E-Commerce website via creating our own E-commerce platform (Shopify). The main technologies which are being used in this project are Python programming Language. If we talk about the front end it is designed by using the HTML, CSS and backend is designed by Django framework and the database is managed through Mysql.

Keyword: Python, Mysql, Django Html, Css.

I. INTRODUCTION

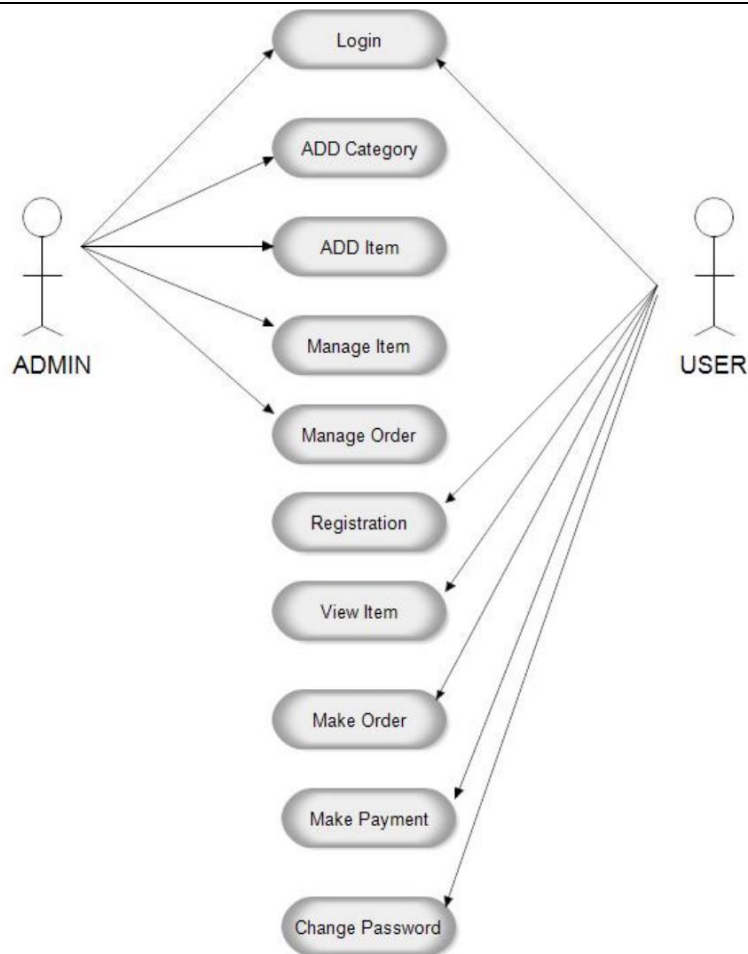
An E-commerce website is mainly designed to serve every customer through online medium. As we know the main aim of every single E-commerce website is to provide goods and services to its customer in very affordable price. So we have come up with an idea for delivering items with prepaid payments or cash on delivery through Shopify. From this app everyone can easily buy the things like normal groceries for their daily use. One of the main factor why this sector is becoming much efficient because it saves a lot of time for every single customer who are using. If we talk about the process how a person is going to use this website for his or her shopping of his or her need. This procedure can be followed as following steps. In our website there is a page where all products are listed which also shows the presence of its respective stocks like which product is out of stock or in the stock. As a person come up to buy a product which is needed for his or her he will just add the respective product to its cart very easily and later he or she can checkout and fulfill his or her order. Hence this provides a very good user experience.

II. LITRETURE SURVEY

As per the February 2021 IJSDR | Volume 6 Issue 2 we came to know that journey of Ecommerce was started from year 1999. And the name of that first company which leaded this sector in this year was Fabmart.com. This company was using both the models B2B and B2C segment. After we went on Volume: 07 Issue: 05 | May 2020 www.irjet.net we came to know that Ecommerce is one of the best growing category for research and development just because of its very high customer acquisition.

III. SYSTEM DESIGN

This website is designed by mainly on creating modules using Bootstrap, HTML5, CSS3, MYSQL, Django, interfaces.



Description for used modules:

- Coding (HTML5, CSS3, Python (Django), MySQL)
- Cart
- Accounts
- Payments
- Delivery

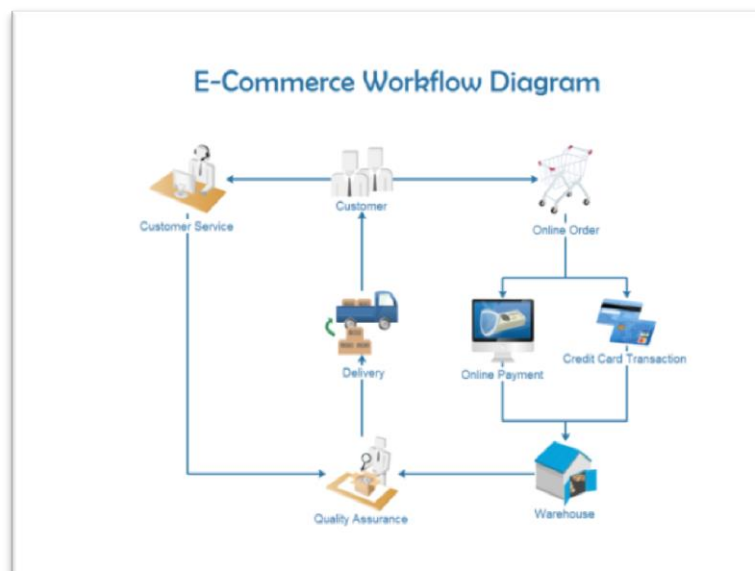


Figure 1: E-Commerce Workflow Diagram

HTML 5

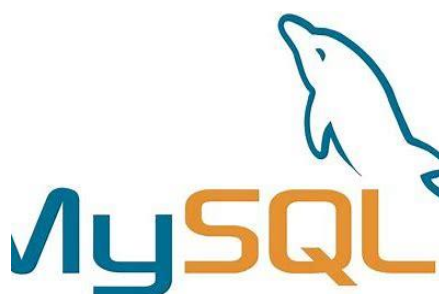
HTML generally stands for Hyper Text Markup language which is used for designing for single page website. It was first released in 1993. It is supported by many of internet browsers. HTML mainly uses tags and attributes. It can also be said as the whole skeleton of the webpage. But still there is drawback of this technology is that is generally uses server side rendering.

CSS 3

CSS generally stands for cascading style sheet. CSS 3 was introduced in year 2011 and CSS was introduced in 1994. It was mainly designed for making styles in HTML sheets. It gives the whole styling to our skeleton made by HTML. It is very easy and fast to use and understand. It provides various properties like font-style, font-family, font-varient, font weight etc. Since css can be easily maintained and updated this makes it a very consistent language. It also provides very light weighted codes which makes very easy for developers.

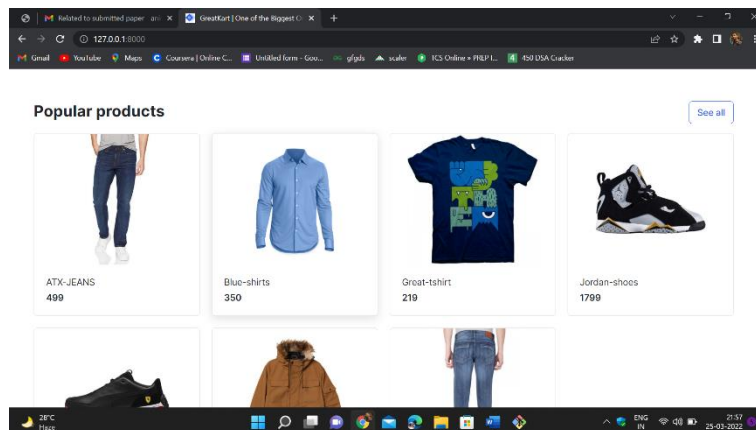
PYTHON(DJANGO)

Django is python framework which is mainly used for building the webpages by using HTML and CSS. It is very light weight framework for we development. It provides code reusability. It also provides code optimization which lead to very user friendly website. One of the best property we can say about it is very scalable framework. It also provides very high security.

MySQL

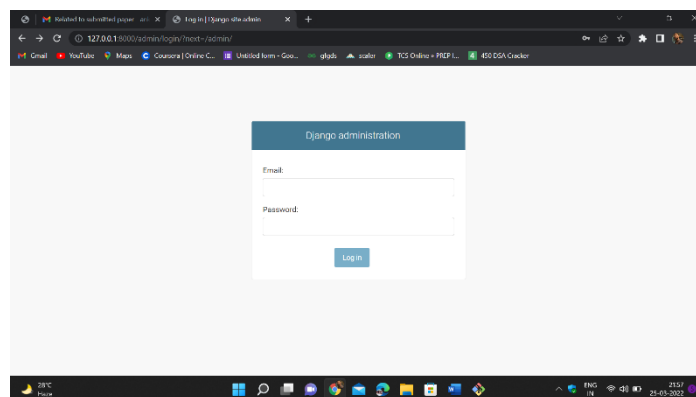
MySQL Stands for Structured Query Language. It is a language used for managing the data and records of the databases. It is used to retrieving the records from table. Here we have used My SQL Workbench for creating the database regarding the details or records. It also provides very nice portability. It supports on many of the other systems like pcs, servers, local systems and other servers. It also provides multiple data view for your content of database. One of the best feature of my sql is that it works on three tier architecture.

CART



Cart is a kind of user interface page in this website. This page is mainly designed to collect and store all the needed product at a single place. This makes a very convenient method rather than choosing and buying the products on by one. Here user can easily collect the products at a single place and check out by paying for all the cart items with a single payment.

ACCOUNT



This is one of the important module in this project. This provides a private access for every single user. This helps the user to get a safe and secure environment. To use this feature user has to sign up with hie or her email id followed by creating a strong password. After successful sign up user can use this id and password for future use to access and mange hir or her account where he or she can safely store their details like Debit card, Home address etc.

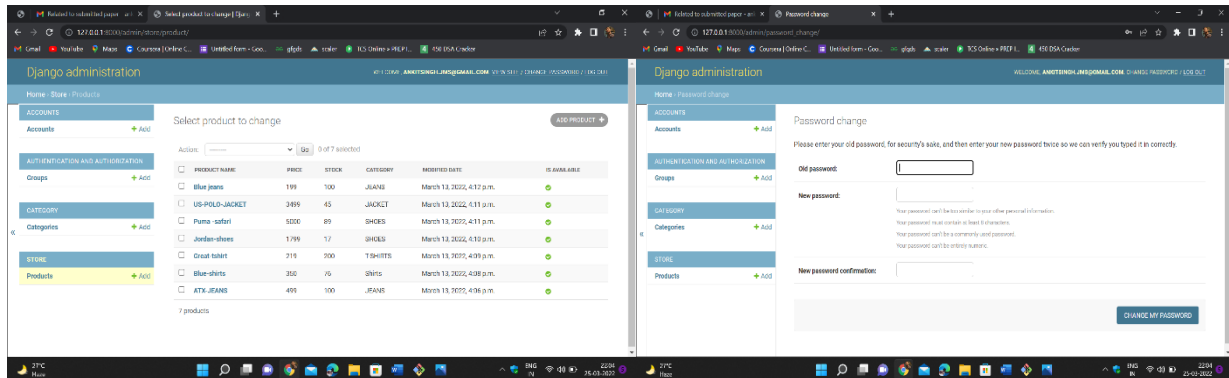
PAYMENTS

As we know that payment is a most integral part for every single E-commerce website. So seeing this here we have provided a very fast and secure payment transaction modes which can be done within 2 or 3 seconds. For making it much secure we have done that user can only do the payment after signing up his or her account. This will help them to store the transactions records with in their account so can access these details for further need.

DELIVERY

After the confirmation of successful payment the order will be dispatched through the warehouse. As soon as the order is shipped the user will get a confirmation message. And after that user can easily track their order. Once the product is handed over to our delivery partner for delivery at the same time user will get one time password for security purpose. This will make this delivery process more secure.

IV. RESULT



V. CONCLUSION

This research paper gives a brief idea of development of the (Shopify) E-commerce website. Also provides whole working and overall efficiency of this website. This website is build by following modules such as CSS, Django, HTML MySQL etc. By adding the above mentioned modules this website have become much safe and secure. In this we also add some authentication feature like password and admin panel . We use some bootstrap templates also in this website for designing purpose.

VI. REFERENCES

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