



Tribhuvan University
Faculty of Humanities and Social Sciences

Ecom Store

A PROJECT REPORT

Submitted to:
Department of Computer Application
Damak Multiple Campus

In partial fulfillment of the requirements for the Bachelors in Computer Application

Submitted by
Sandip Chapagain (TU Symbol No: 6-2-0202-0885-2019)
Aayush Ahikari (TU Symbol No: 6-2-202-857-2019)
Dhan Bahadur Dhimal (TU Symbol No: 6-2-0202-0876-2019)

Jan, 2023

Under the Supervision of
Abhinash Jha

Tribhuvan University
Damak Multiple Campus
Faculty of Humanities and Social Science



Supervisor's Recommendation

We hereby recommend that this project prepared under my supervision by **Sandip chapagain ,Aayush Adhikari & Dhan Bahadur Dhinal** entitled “**Ecom Store**” in partial fulfillment of the requirements for the degree of Bachelor of Computer Application is recommended for the final evaluation.

Mr.Abhinash Jha

SUPERVISOR

Damak Multiple College

Department of BCA

Acknowledgement

This project is prepared in the partial fulfillment of the requirement for the degree of Bachelor in Computer Application (BCA). The satisfaction and success of completion of this task would be incomplete without heartfelt thanks to people whose constant guidance, support and encouragement made this work successful. On doing this undergraduate project I have been fortunate to have help, support and encouragement from many people I would like to acknowledge them for their cooperation.

My first thanks goes to Tribhuvan University for designing such a worthy syllabus and making us do this project. My next batch of thanks goes to the faculty of Management of DMC without whose help our project would have been impossible. This list includes chief of DMC, **Mr. Netra Budhathoki**. My very sincere and heartfelt thanks go to **Mr. Abhinash Jha** our project supervisors who constantly guided us through the project timeperiod. Without his guidance, my project would have been impossible. Last but not the least I want to thank every direct and indirect hands that were involved in completion of this project.

This project has been a wonderful experience where We have learnt and experienced many beneficial things.

Sandip Chapagain

Aayush Adhikari

Dhan Badhur Dhimal

Table of Contents

| | |
|---------------------------------------|----|
| Acknowledgement | II |
| CHAPTER 1 | 1 |
| INTRODUCTION | 1 |
| Introduction to MIS | 2 |
| Introduction to store..... | 3 |
| CHAPTER 2 | 4 |
| PLANNING | 4 |
| Introduction | 4 |
| The e-Commerce planning process | 4 |
| Budget..... | 5 |
| Gantt Chart | 6 |
| Feasibility Analytics | 6 |
| CHAPTER 3 | 7 |
| NETWORK INFRASTRUCTURE | 7 |
| Network Infrastructure | 7 |
| World Wide Web..... | 7 |
| Internet..... | 7 |
| WWW | 7 |
| Connecting to the Internet | 7 |
| Components of I-way: | 8 |
| CHAPTER 4 | 9 |
| PROCESS OF BUILDING WEBSITE | 9 |
| Process of website Building | 9 |
| For Live on Domain | 9 |
| Customer Account | 9 |
| Admin Dashboard Login | 9 |
| CHAPTER 5 | 10 |
| PAYEMENT GATEWAY | 10 |
| Payment Gateway | 10 |
| CHAPTER 6 | 11 |

| | |
|-------------------------------|----|
| HANDLING SECURITY ISSUE | 11 |
| Handle security issue | 11 |
| CHAPTER 7 | 12 |
| SCREEN CAPTURE..... | 12 |
| CHAPTER 8..... | 18 |
| CONCLUSION | 18 |
| Bibliography | 19 |

CHAPTER 1

INTRODUCTION

E-commerce means using the Internet and the web for business transaction and/or commercial transaction, which typically involve the exchange of value (e.g., money) across organizational or individual boundaries in return for products and services. Here we focus on digitally enabled commercial transactions among organizations and individuals.

E-business applications turn into e-commerce precisely, when an exchange of value occurs. Digitally enabled transactions include all transaction mediated by digital technology and platform; that is, transaction that occur over the Internet and the web.

An Ecommerce website is an information technology method in which traders, business/distributors/marketers can sell products/services and the customer can purchase on that website electronically by using the internet on the mobile and computer. It means an e-commerce website is an online shop. E means electronic, Commerce means business. Website means the group of HTML web pages and that is created to market/sell information/product/services.

Some basics types of E-commerce are listed below:

- Business-to-Business. (B2B)
- Business-to-Consumer.(B2C)
- Consumer-to-Business.(C2B)
- Consumer-to-Consumer.(C2C)

Introduction to MIS

Management Information System or 'MIS' is a planned system of collecting, storing, and disseminating data in the form of information needed to carry out the functions of management.

The three components of MIS provide a more complete and focused definition, where System suggests integration and holistic view, information stands for processed data, and Management is the ultimate user, the decision makers.

Management information system can thus be analyzed as follows:-

Management

Management covers the planning, control, and administration of the operations of a concern. The top management handles planning; the middle management concentrates on controlling; and the lower management is concerned with actual administration.

Information

Information, in MIS, means the processed data that helps the management in planning, controlling and operations, Data means all the facts arising out of the operations of the concern. Data is processed i.e. recorded, summarized, compared and finally resented to the management in the form of MIS report.

System

Data is processed into information with the help of a system. A system is made up of inputs , processing, output and feedback or control.

Thus MIS means a system of processing data in order to give proper information to the management for performing its functions.

The major components of a typical MIS long-form (Management Information System) are:

- **People** :-people who use the information system
- **Data** :- the data that the information system records
- **Business** :- Procedures:- procedures put in place on how to record, store and analyze data
- **Hardware** :- these include servers , workstations, networking equipment, printers, etc.
- **Software** :- these are programs used to handle the data. These include programs such as spreadsheet programs, database software, etc.

Introduction to store

Ecommerce online shopping has become popular business and had increased rate in business sector. It has made rapid competition among them. Sandip Online shopping Store is one of them that is located in Jhapa. There are lots of stands which provide some kinds of Books, Stationary products, clothes, sports, The manager of Sandip Online Shopping is said that to do his business, he still users paper-based system.

List of products are available from Sandip Online store are as follows:

- Book
- Clothes
- Electronic
- Hardware
- Health
- Stationary
- Furniture-Furnishing
- Grocery

One of the weaknesses when doing such a system is the calculation of money which is done manually and end process of calculation is to know the income. If we use paper-based, it will spend much time. Therefore, it can give disadvantage in many cases. Paper-based system will make difficult the worker when giving service toward their customers or guests.

CHAPTER 2

PLANNING

Introduction

The success of a strategy in ecommerce should be measured by the sales that are generated and ultimately profits made. The most important thing is to have a strategy and to define this by setting and measuring ongoing targets and goals against your plan.

The e-Commerce planning process

The e-Commerce planning process must have a six key step that'll get your up and running with e-Commerce. It covers the key skills, system and sales know-how you need to drive e-Commerce success.

- a) Identify the opportunity
- b) Validate the opportunity
- c) Channel planning
- d) Develop experiences
- e) Sell
- f) Evaluate and optimize

a) Identify the opportunity

The first step of the e-Commerce planning is to identify the opportunity. What benefit is e-Commerce actually going to have for your target audience and your brand? What e-Commerce insights do you have that make you confident you'll make money selling online?

You need to spend time defining the opportunity more specifically than just "sell online", That's too broad, The move to sell online is similar to the decision to launch a new product.

b) Validate the opportunity

So, once you've identified the opportunity, you need to test out if it is big enough to be worth pursuing. There's no single best way to do this. It very much depends on the size and nature of the opportunity. And your approach to opportunities and risks.

c) Channel Planning

Once we identified and validated the overall e-Commerce planning opportunity for your business, it's now to think about where you will sell online.

d) Develop experiences

This is where there are a series of steps consumers go through before they become loyal and regular purchasers.

So, they need to trust your brand, be aware of your brand, be persuaded to consider it and so on.

e) Sell

Once I have all these elements of the e-commerce planning process lined up, then we focus moves on to how to continue to sell our products online.

f) Evaluate and optimize

To setting up an online store and online retailers, we expand more on the day to day operations of online selling once you've gone through the e-Commerce planning process

On-going, it's important to think like a retailer.

Budget

| S.N | Name | Pricing | Duration |
|-----|---------------------------------|---------------------|--------------|
| 1. | Free Domain(.000webhostapp.com) | free | Life time |
| 2. | Web hosting | free | Life time |
| 3. | Top level Domain (.com) | Free | Yearly renew |
| 4. | Maintenance | Rs.500 to 1000/hour | Hour/monthly |

Gantt Chart

| Task | Aswin | | | | Kartik | | | | Mangsir | | | |
|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| | Week 1 | Week 2 | Week 3 | Week 4 | Week 1 | Week 2 | Week 3 | Week 4 | Week 1 | Week 2 | Week 3 | Week 4 |
| Requirement Analysis | Sandip | Dhan | | | | | | | | | | |
| UI design | | Aayush | Aayush | Sandip | | | | | | | | |
| Database design | | | | Aayush | | sandip | Dhan | | | | | |
| Coding | | | | Dhan | Dhan | Sandip | Sandip | Dhan | | | | |
| Payment gateway integration | | | | | | | | | | Sandip | | |
| Web Hosting/Domin Implementation | | | | | | | | | | | Dhan | |
| | | | | | | | | | Dhan | Aayush | | |
| Website Live Hosting | | | | | | | | | | | | sndp |
| Testing | | | | | | | | | | | | sndp |

Feasibility Analytics

Feasibility Analysis is an assessment of the practicality of a proposed website. It provides the degree of viability of a proposed Website. A feasibility analysis helps us determine the value of the proposed website, determine whether or not there is a market for the proposed website, determine if the proposed website is financially viable, and eventually, decide whether or not it is worth investing time and money into the proposed website project. IN short, a feasibility analysis evaluates the project's potential for success. Following Feasibility Analysis was performed prior to working on the website project

CHAPTER 3

NETWORK INFRASTRUCTURE

Network Infrastructure

The network infrastructure of E-commerce: Network infrastructure is required for e-commerce to transport content I-way is a high-capacity, interactive electronic pipeline used to transfer content in case of ecommerce.

I-way can transfer any type of context like text, graphics, audio, video, In other words, multimedia contents are easily transported through I-way.

A network can be defined as:-

- Building block of E-commerce
- Technologies to integrate Business process
- Mediator for Digital transmission of Digital
- Content/Message/File/DATA
- The interaction between Entities of business
- Like Suppliers/Distributor/partner etc..
- A framework with security & ease

World Wide Web

- Motivation: Developing a global distributed hypermedia system,
- Started 1989 by a research paper issued by Tim Berners-Lee who worked at the CERN
- 1993: First usable browser(MOSAIC) issued
- 1994: Foundation of Word Wide Web Consortium (W3C) – W#C then started developing HTML,HTTP and style sheets.

Internet

The internet is the entirety of all connected computers that use the package of internet protocols at their network system topmost layer the collection of internet protocols implements a packet-oriented wide Area Network for connecting networks of diverse protocols and different connection characteristics

WWW

The World wide web (WWW) is a distributed hypermedia system that relies on some of the internet's services. Most important are the naming service provided by the Domain Name Service (DNS) and the –quite –reliable connection-oriented transmission service provided by the Transmission control Protocol (TCP)

Connecting to the Internet

- **Dial-up Connection:-** Computers that are serving only as clients need not be connected to the internet permanently. Computers connected to the internet via a dial-up connection usually are assigned a dynamic IP address by their ISP (Internet Service Provider).

- **Leased Line Connection:** - Servers must always be connected to the internet. No dial-up connection via modem is used, but a leased line. Costs vary depending on bandwidth, distance and supplementary services.

In these Given Network of Internet easily to use and able no any issue will found while running the website:

- WPA
- 3G
- 4G
- 5G

Components of I-way:

-Consumer access equipment

-Local on-ramps,

-Global information distribution networks

Consumer access equipment are devices used by consumers to access the multimedia interactive contents of e-commerce. In this segment, hardware and software vendors are also included.

Local or access road, or on-ramps: This segment of I-way simplify linkage between business, universities, and homes to the communications backbone. There are four different types of provider of access ramps:- telecom-based -cable TV-based –wireless-based and –computer-based online information services. These providers link users and e-commerce application providers.

Global information distribution networks are the infrastructure that is connection countries and continents

Global information distribution networks are the infrastructure that is connecting countries and continents

CHAPTER 4

PROCESS OF BUILDING WEBSITE

Process of website Building

This online Shopping website is a single vendor website, which is make on PHP

Some Step of the procedure of website building as follow:

- First we download and install xamp for server on laptop
- Second Download and install visual Studio Code is for code editor
- Third Start mysql and Apache server
- Start designing and developing our website with sql queries
- Test you website on your computer
- Deploy website on online server

For Live on Domain

All from free web hosting -“000webhost”

<http://sandipecommerce.000webhostapp.com/>

Customer Account

Consumer can register a Account From Domain url /customer_register.php

Admin Dashboard Login

Administrator can able to login follow the web URL / admin_area/login.php

CHAPTER 5

PAYEMENT GATEWAY

Payment Gateway

A payment gateway is an e-commerce application service which facilitates the sharing of relevant information between banks during an attempted credit or debit card transaction. It allows the appropriate information to be sent to the acquiring bank, and then collects a response from the insuring bank (whether the exchange has been approved or declined). Generally, the service is needed by any business that wants to trade online and accept card payments from its customers with the total value of B2C e-commerce sales currently standing at almost RS1.5 trillion per year-and major growth expected in the coming years – this group is likely to include the majority of commercial organizations

In our e-commerce application have many different model of payment some of them popular model of payment system are as:

- E-Sewa
- Khalti
- Bank transfer
- Debit card
- Cash on delivery

In My system we included all types of payment method above and it is client user friendly for payment complete process

CHAPTER 6

HANDLING SECURITY ISSUE

Handle security issue

In My website admin panel handle the security by different layer if any one try to login and access to in our admin panel must be

- Enter the correct Username/Email and password which is stored in database and then after only can access,
- If Username/Email Id correct and password doesn't match from database unable to login
- Consumer also be the same process for login own database panel for buy a products

CHAPTER 7

SCREEN CAPTURE

Consumer Account Register and Login:

❖ **For Register an account.**

➤ **While registering an account Need Username/ Email address, password.**

The screenshot shows a web browser at localhost/sandipecommerce/customer_register.php. The page has a dark header with 'WELCOME:GUEST', 'Shopping Cart Total Price: 896, Total Items: 2', and links for 'Register', 'My Account', 'Go to Cart', and 'Login'. Below the header is a navigation bar with 'ECOM STORE', 'HOME', 'SHOP', 'MY ACCOUNT', 'SHOPPING CART', 'ABOUT US', 'SERVICES', and 'CONTACT US'. A search bar and a '2 Items in Cart' button are on the right. The main content area is titled 'Register A New Account' and contains a form with fields for: Customer Name, Customer Email, Customer Password (with a strength indicator), Confirm Password, Customer Country, Customer City, Customer Contact, Customer Address, and Customer Image (with a 'Choose File' button). A green 'Register' button is at the bottom right of the form.

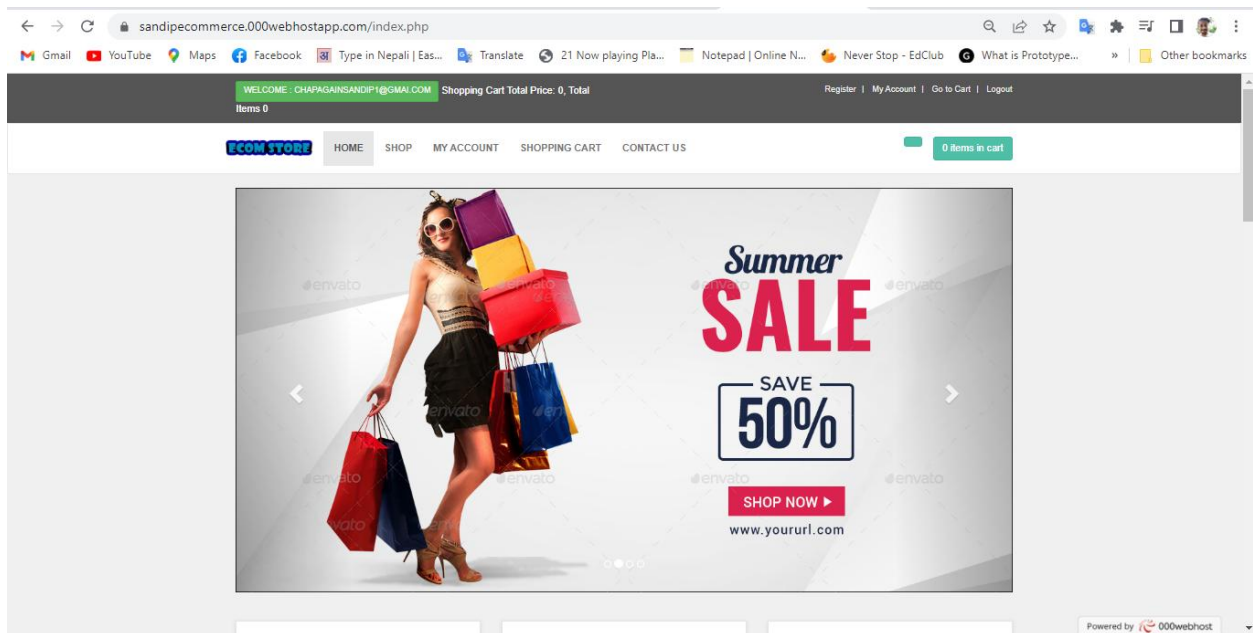
For Login

Consumer can Login own dashboard using Username/Email and password

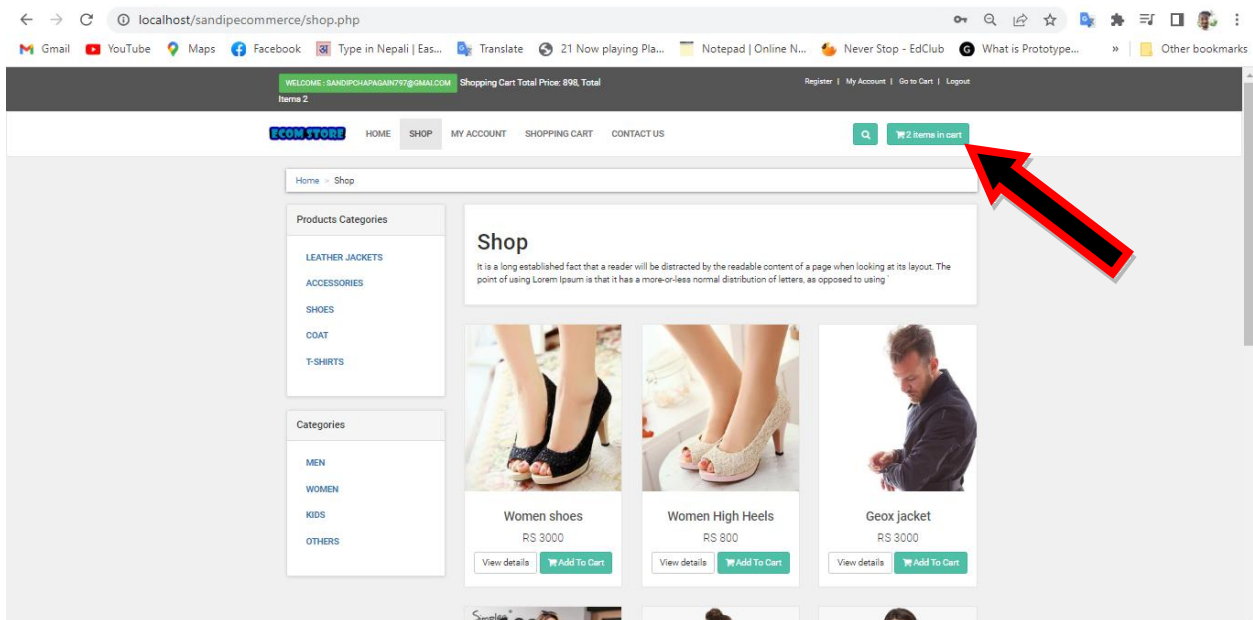
The screenshot shows a web browser at localhost/sandipecommerce/checkout.php. The page has a dark header with 'WELCOME:GUEST', 'Shopping Cart Total Price: 898, Total Items: 2', and links for 'Register', 'My Account', 'Go to Cart', and 'Login'. Below the header is a navigation bar with 'ECOM STORE', 'HOME', 'SHOP', 'MY ACCOUNT', 'SHOPPING CART', and 'CONTACT US'. A search bar and a '2 Items in Cart' button are on the right. The main content area is titled 'Login' with the subtitle 'Already our Customer'. It contains a form with fields for 'Email' and 'Password'. Below the password field is a 'Forgot Password' link and a green 'Log in' button. On the left side, there is a sidebar with 'Products Categories' (LEATHER JACKETS, ACCESSORIES, SHOES, COAT, T-SHIRTS) and 'Categories'.

❖ Consumer Account Login Dashboard

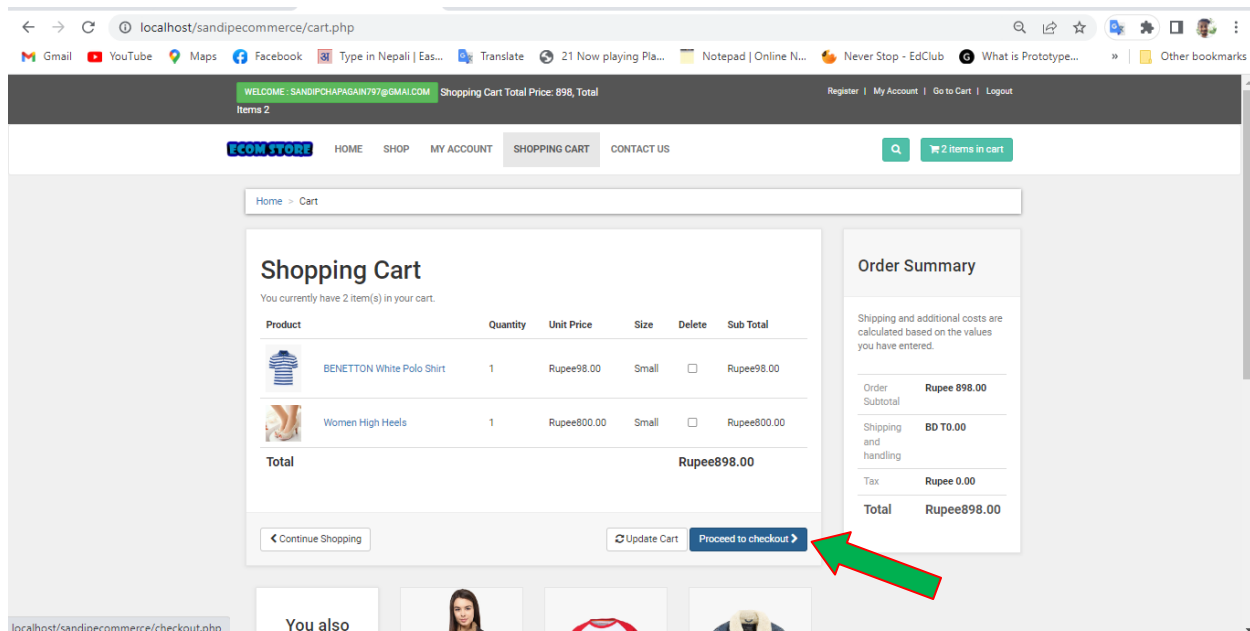
- Consumer can see all own ordered details account and setup billing address from here



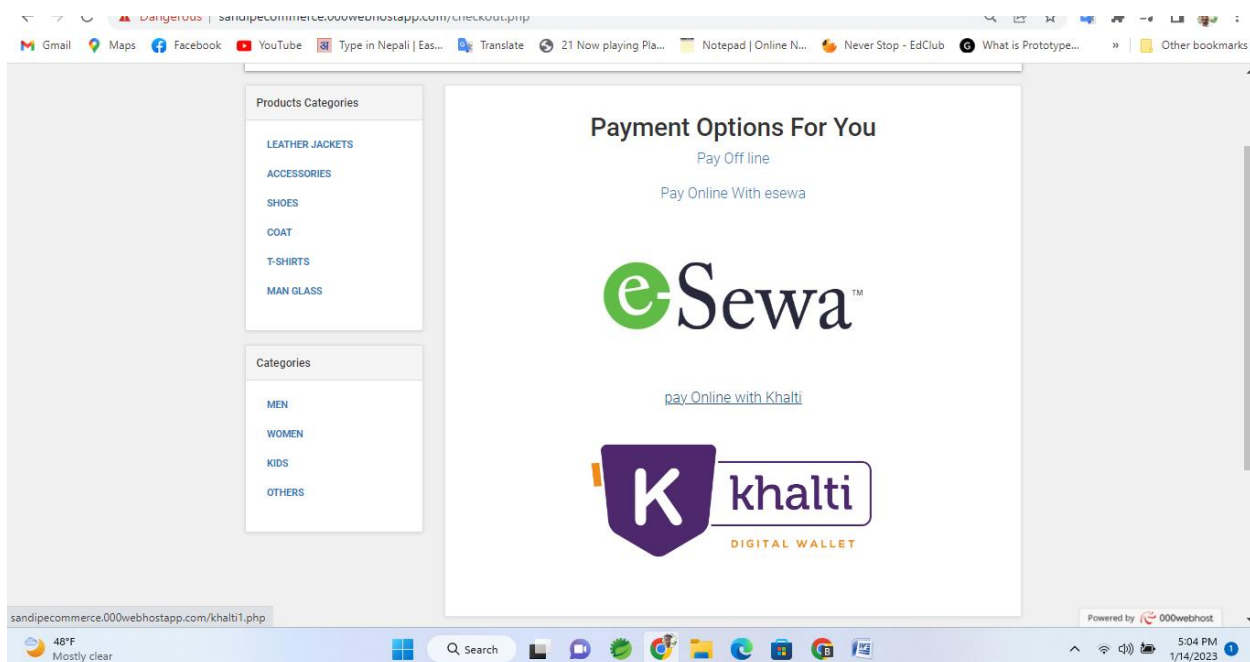
- Consumer can choose the products as own choice and add products to cart



➤ Click on Proceed to checkout



➤ Now Choose the payment gateway



➤ For cash on delivery

Fill the form

localhost/sandipecommerce/customer/confirm.php?order_id=30

WELCOME: SANDIPCHAPAGAIN797@GMAIL.COM Shopping Cart Total Price: Rupee0, Total Items 0 Register | My Account | Go to Cart | Logout

ECOM STORE HOME SHOP MY ACCOUNT SHOPPING CART CONTACT US 0 items in cart

Home > My Account

Please Confirm Your Payment

Invoice No:

Amount Sent:

Select Payment Mode:

Transaction/Reference Id:

Sandip/ Code:

Payment Date:

My Account

Name : sandip chapagain

- My Orders
- Pay Offline
- Edit Account
- Change Password
- Delete Account
- Logout

➤ For Online payment

uat.esewa.com.np/epay#

eSewa | epay

Please login to make your payment

Transaction Details

| EPAYTEST | NPR |
|----------------------|---------------|
| Product Amount: | 250.00 |
| Tax Amount: | 0.00 |
| Delivery Charge: | 0.00 |
| Total Amount: | 250.00 |

Login

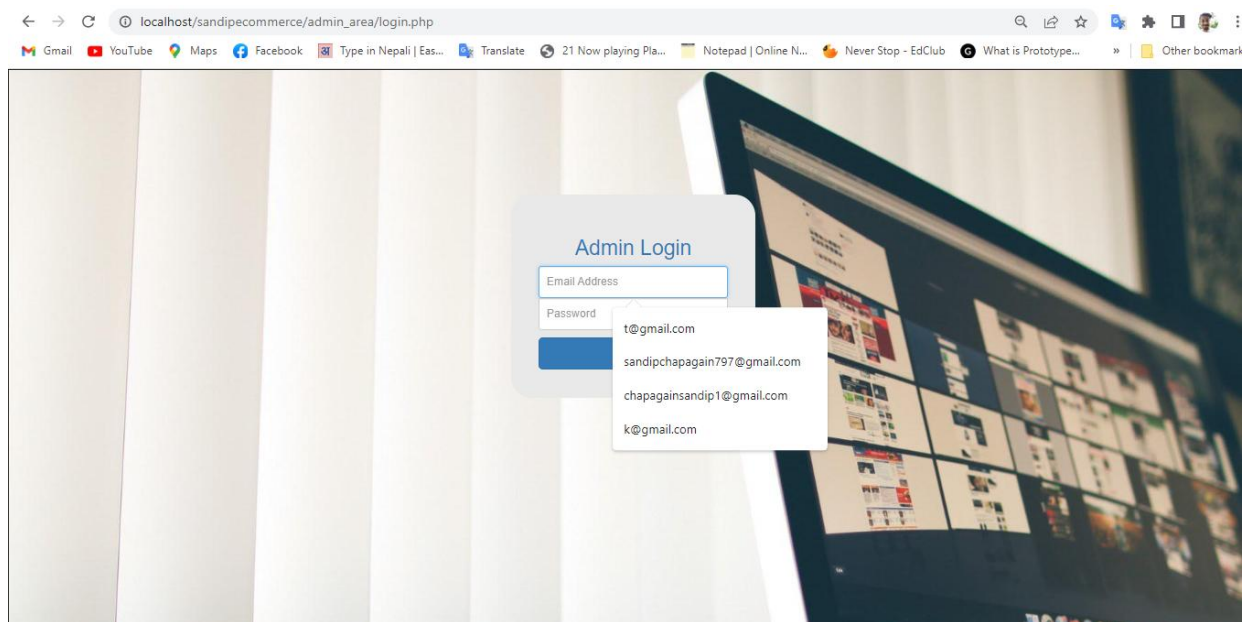
eSewa ID:

Password:

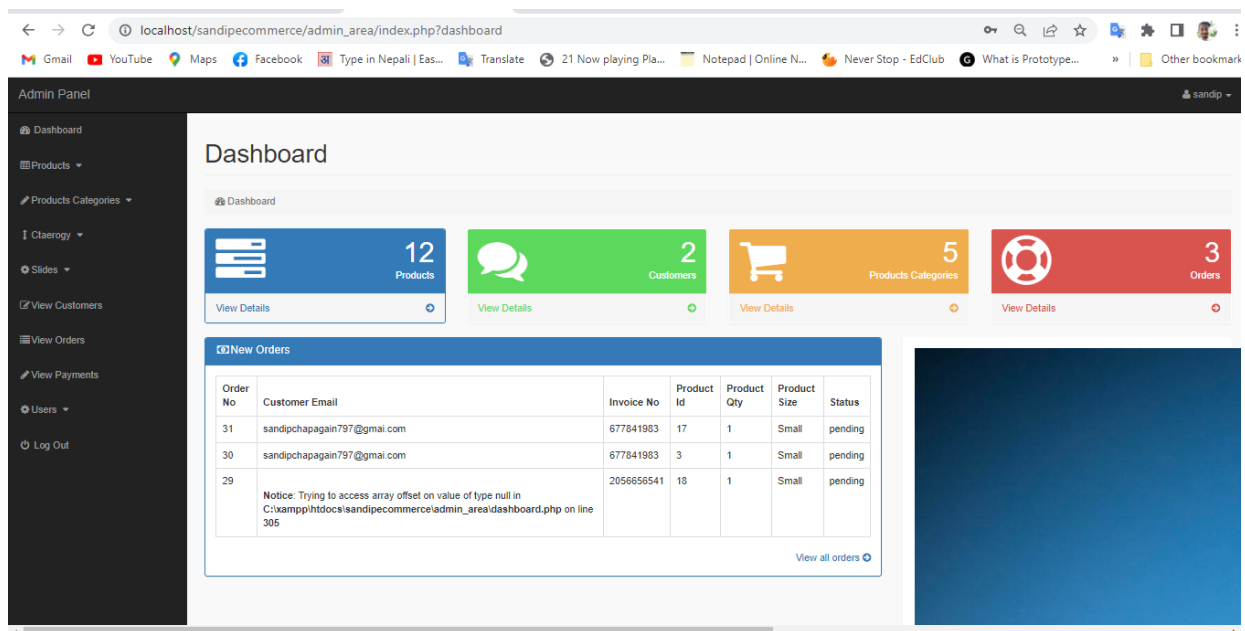
© eSewa Nepal, 2009-2022. All Rights Reserved.

eSewa

➤ For Admin login



➤ Admin Dashboard



➤ Add product page

The screenshot shows a web browser at the URL `localhost/sandipecommerce/admin_area/index.php?insert_product`. The page is titled "Admin Panel" and "Dashboard / Insert Products". On the left is a sidebar menu with options: Dashboard, Products, Products Categories, Claerogy, Slides, View Customers, View Orders, View Payments, Users, and Log Out. The main content area is titled "Insert Products" and contains the following form fields:

- Product Title:
- Product Category:
- Category:
- Product Image 1:
- Product Image 2:
- Product Image 3:
- Product Quantity:
- Product price:
- Product Keywords:
- Product Description:

At the bottom of the form is a blue button labeled "Insert Product".

➤ Add category page

The screenshot shows a web browser at the URL `localhost/sandipecommerce/admin_area/index.php?insert_category`. The page is titled "Admin Panel" and "Dashboard / Insert Category". On the left is a sidebar menu with options: Dashboard, Products, Products Categories, Claerogy, Slides, View Customers, View Orders, View Payments, Users, and Log Out. The main content area is titled "Insert Category" and contains the following form fields:

- Category Title:
- Category Description:

At the bottom of the form is a blue button labeled "Insert Category".

CHAPTER 8

CONCLUSION

Conclusion:

Overall ecommerce site consumer can buy the products which having in website. The Website, developed using PHP Language and MSQl Database is based on the requirement specification of the user and the analysis of the existing system, This ecommerce website is designed E-commerce online shopping is developed using Bootstrap ,css,javascript

Talking about the Website, it has all the required essential feature. This project has a user side where anyone can view product category and add products to cart and proceed for checkout and choose the payment gateway and also available cash on delivery system whereas from administration Consumer can view product order , number of product, users.. add product and categories.

The user can also leave comments on each product if Consumer wants In this project , all the main functions are performed from the Admin side User Friendly

Bibliography

Alibaba. (2012). *Daraz*. Retrieved jan 2023, from Daraz.com: <https://www.daraz.com.np/>

Spolsky, J. A. (2008). *stack overflow*. Retrieved 2023, from stack overflow:
<https://stackoverflow.com/>