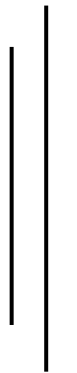


# Saraswati Multiple Campus

Lekhnath Marga, Kathmandu



## Lab Report on MIS and E-Business

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Archana Thapa

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# **CHAPTER 1: INTRODUCTION**

## **1.1 Introduction to E-Commerce**

Electronic commerce (e-commerce) refers to companies and individuals that buy and sell goods and services over the internet. E-commerce operates in different types of market segments and can be conducted over computers, tablets, smartphones, and other smart devices. Nearly every imaginable product and service is available through e-commerce transactions, including books, music, plane tickets, and financial services such as stock investing and online banking. As such, it is considered a very disruptive technology. E-commerce (electronic commerce) is the activity of electronically buying or selling products on online services or over the Internet. Some basic types of E-commerce are listed below:

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

## **1.2 Introduction to MIS**

Management Information System is an implementation of the organizational systems and procedures. To a programmer it is nothing but file structures and file processing. However, it involves much more complexity.

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 –

### **1.2.1 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.

### **1.2.2 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 presented to the management in the form of MIS report.

### **1.2.3 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 for processing data in order to give proper information to the management for performing its functions.

## **1.3 Introduction to Store**

Ecommerce online shopping has become popular business and had increased rate in business sector. It has made rapid competition among them. Fashion Hub is one of them. List Of products are available from Fashion Hub are as follows:

- Clothes
- Hand Bags
- Accessories

One of the weaknesses when doing such a system is the calculation of money which is done manually and the 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

### 2.1 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 targets.

### 2.2 The E-Commerce planning process

The e-Commerce planning process must have six key steps that'll get you up and running with e-Commerce. It covers the key skills, systems and sales need to drive e-Commerce success.

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

**a) Identify the opportunity:** The first step of the e-Commerce planning process is to identify the opportunity. What benefit is e-Commerce actually going to have for your target audience and your brand?

**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. It very much depends on the size and nature of the opportunity.

**c)Channel planning:** Once you've identified and validated the overall e-Commerce planning opportunity for your business, it's now time 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.

**e) Sell:** Once you have all these elements of the e-Commerce planning process lined up, then your focus moves on to how to continue to sell your 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.

### **2.3 Feasibility Analysis**

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.

## **CHAPTER 3 NETWORK INFRASTRUCTURE**

### **3.1 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

#### **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 World Wide Web Consortium (W3C)— W3C 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 systems \_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).



### **3.1.1 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

### **3.1.2 Components of I-way**

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 linkages between businesses, universities, and homes to the communications backbone, there are four different types of providers 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 connecting countries and continents

## CHAPTER 4: PROCESS OF BUILDING WEBSITE

### 4.1 Process of Website Building

This online Shopping Websites is a Single vendor website, which is make on React-Js Platform. Some step of website building is as follow:

- First, we download and install Node.js from the official website: Node.js.
- Create a Folder & Create React App.
- Install React Router DOM.
- Install Tailwind CSS.
- Activate the all required plugins and initialize with theme Customize the design of front page.
- We also install the requirements the payment gate way plugins like E-Sewa, Khalti for get payment.
- We customize the logo, add name of Categories of products and fill all details about products.
- Finally, complete the section of website and live on laptop.

## **CHAPTER 5: PAYMENT GATEWAY**

### **5.1 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 issuing 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 modes of payment. Some of the Popular modes of payments system are as

- E-sewa
- Khalti

In our system we are included payment method above and it is client userfriendly for payment complete process.

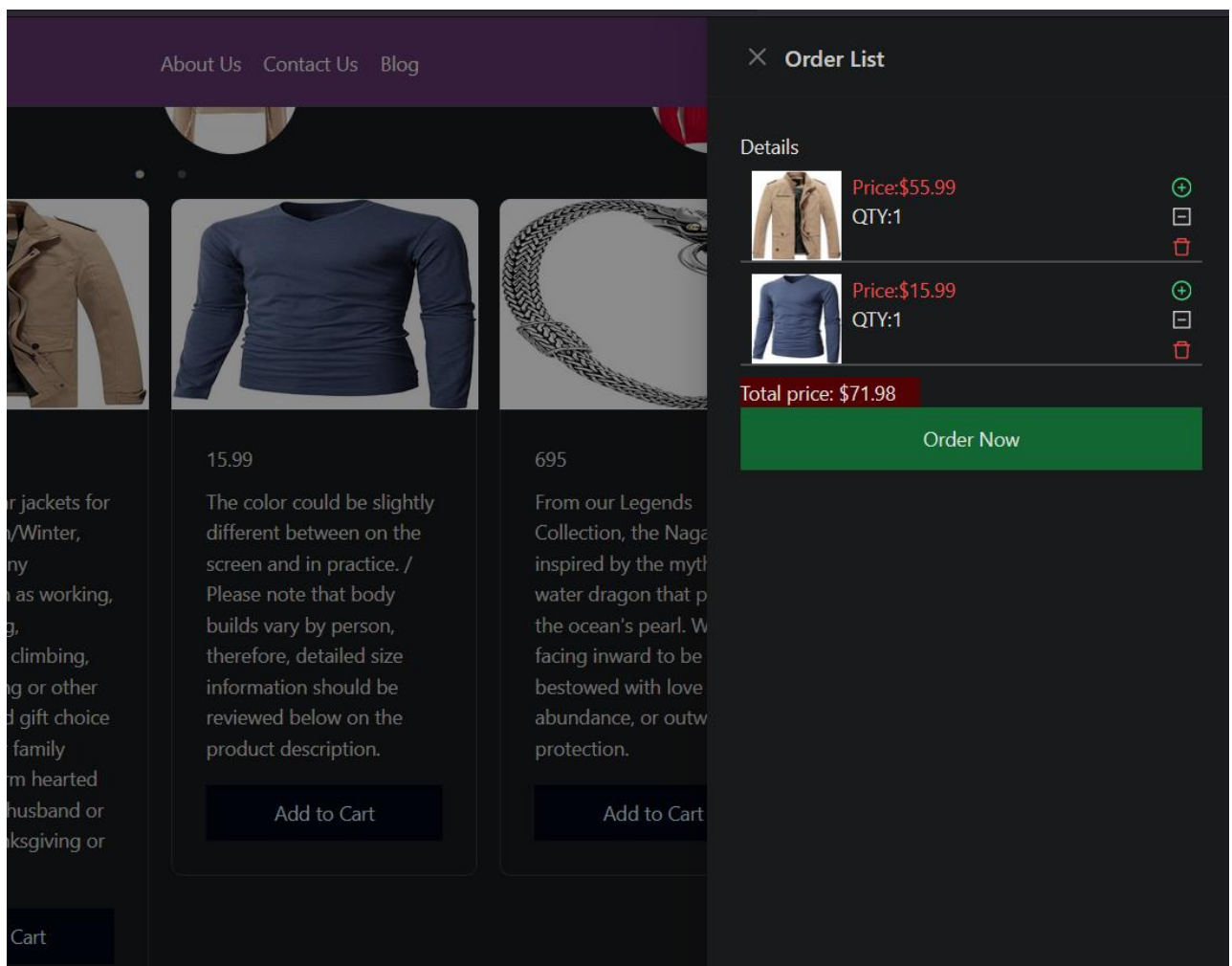
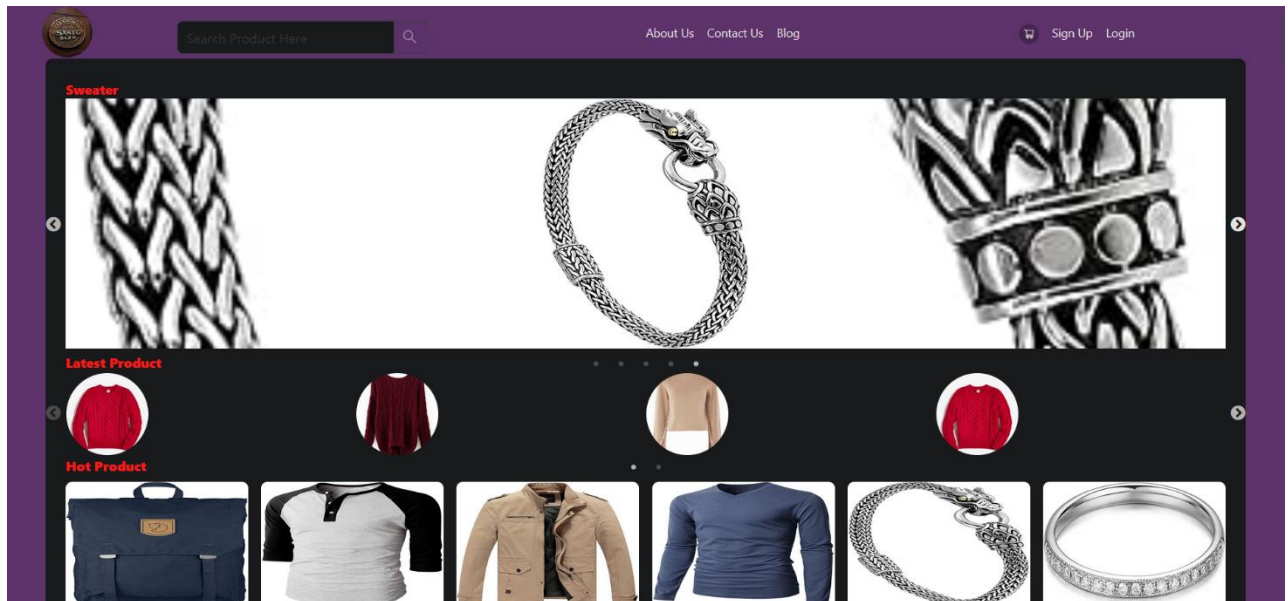
## **CHAPTER 6: HANDLING SECURITY ISSUE**

### **6.1 Handle Security Issue**

In our website, user panel handle the security by different layer. In any one try to login and access to our user's dashboard must be

- Enter the correct Username/Email and password which is stored in API and then after only can access
- If username/ Email Id correct and password doesn't match from API unable to login
- After login, Consumer can redirect own dashboard panel for buy a product.

## CHAPTER 7: SCREEN CAPTURE



PaymentMethod

Name	Price	Qty
Mens Cotton Jacket	55.99	1
Mens Casual Slim Fit	15.99	1

< 1 >

Esewa

Khalti

Total Qty: 2 & Total Sum: 71.98

eSewa | e pay

Please login to make your payment

Transaction Details

EPAYTEST	NPR
Product Amount:	71.98
Tax Amount:	0.00
Delivery Charge:	0.00
Total Amount:	71.98

Login

eSewa ID:

Password:

LOGIN

CANCEL

localhost:3000/payment

TEST MODE

Choose your payment method

KHALTI WALLET

E-BANKING

MOBILE BANKING

CONNECT IPS

SCT CARD

khalti

Khalti Mobile Number

Khalti PIN

Pay Rs. 0.7198/-

Forgot your Khalti PIN?

SET KHALTI PIN