



**Tribhuvan University**  
**Faculties of Humanities and Social Sciences**

**CHESS STORE: A CHESS E-COMMERCE SITE**

**A PROJECT REPORT**

**Submitted to Department of Computer Application**

**Danfe College**

**Sinamangal, Kathmandu**

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

Submitted by

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**February 2022**

Under the Supervision of

**Mr. Sharad Pokhrel**



**Tribhuvan University**  
**Faculty of Humanities and Social Sciences**  
**Danfe College**

**SUPERVISOR'S RECOMMENDATION**

I hereby recommend that this project was prepared under my supervision by DIPESH GIRI  
**"Chess Store: A Chess E-commerce Site"** in partial fulfillment of the requirements for  
the degree of Bachelor of Computer Application is recommended for the final evaluation.

**SIGNATURE**

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**LETTER OF APPROVAL**

This is to certify that this project was prepared by DIPESH GIRI entitled " **Chess Store: A Chess E-commerce Site** " in partial fulfillment of the requirements for the degree of Bachelor in Computer Application has been evaluated. In our opinion, it is satisfactory in the scope and quality as a project for the required degree.

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## ABSTRACT

The concept of E-Commerce has been around since the invention of Internet in the 1990s. Chess Store is based on the same concept to encourage online shopping and to implement the learned concepts during the completion of Introduction to MIS & E- Business course in Fifth Semester.

Keywords: Chess , Software's, CMS, E-Commerce, B2C,

## ACKNOWLEDGEMENT

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# Table of Contents

<b>SUPERVISOR'S RECOMMENDATION .....</b>	<b>2</b>
<b>LETTER OF APPROVAL .....</b>	<b>3</b>
<b>ABSTRACT .....</b>	<b>4</b>
<b>ACKNOWLEDGEMENT .....</b>	<b>5</b>
<b>List of Abbreviations .....</b>	<b>7</b>
<b>List of Figures .....</b>	<b>8</b>
<b>Chapter 1: Introduction .....</b>	<b>9</b>
<b>1.1 Introduction to E-Commerce .....</b>	<b>9</b>
<b>1.2 Classification of E-commerce .....</b>	<b>9</b>
<b>1.3 Objectives .....</b>	<b>11</b>
<b>Chapter 2: Process of Building a Website .....</b>	<b>12</b>
<b>2.1 Steps For Building A website.....</b>	<b>12</b>
<b>2.2 Procedures During Design of Chess Store.....</b>	<b>13</b>
<b>2.3 Steps of Online Shopping .....</b>	<b>15</b>
<b>2.4 Tracking Order of Products .....</b>	<b>19</b>
<b>Chapter 3: Conclusion and Future Recommendations .....</b>	<b>21</b>
<b>3.1 Lesson Learnt.....</b>	<b>21</b>
<b>3.2 Conclusion.....</b>	<b>21</b>
<b>References .....</b>	<b>22</b>

## **List of Abbreviations**

CMS – Content Management System

B – Business

G – Government

C – Commerce

## List of Figures

Figure 1.1 E-Commerce .....	9
Figure 2.1 Adding Products.....	13
Figure 2.2 Adding Categories.....	14
Figure 2.3 Adding Payments.....	14
Figure 2.4 Adding Currency.....	15
Figure 2.5 Product Page.....	15
Figure 2.6 Cart Page.....	16
Figure 2.7 Proceed to Checkout .....	16
Figure 2.8 Billing Address.....	17
Figure 2.9 Confirmation .....	18
Figure 2.10 Orders tab.....	19
Figure 2.11 Viewing of Orders.....	19
Figure 2.12 Updating Order I.....	20
Figure 2.13 Updating Order II.....	20
Figure 2.14 Order Completed.....	20



# Chapter 1: Introduction

## 1.1 Introduction to E-Commerce

Commerce is a division of trade or production which deals with the exchange of goods and services from producer to final consumer. E-commerce is the purchasing, selling & exchanging goods and services over computer network or internet through which transactions or terms of sale are performed electronically.



Figure 1.1 E-Commerce

## 1.2 Classification of E-commerce

E-Commerce business models can be classified as following:

1. Business-to-business (B2B)
2. Business-to-Consumer (B2C)
3. Business-to-government (B2G)
4. Consumer-to-consumer (C2C)
5. Government to consumer (G2C)
6. Government-to-business (G2B)

### B2B e-commerce

B2B e-commerce is simply defined as ecommerce between companies.

Website following B2B business model sells its product to an intermediate buyer who then sells the product to the final customer.

As an example, a wholesaler places an order from a company's website and after receiving the consignment, sells the end product to final customer who comes to buy the product at wholesaler's retail outlet

Example: Intel selling microprocessor to Dell

### **B2C e-commerce**

Website following B2C business model sells its product directly to a customer. A customer can view products shown on the website of business organization. The customer can choose a product and order the same. Website will send a notification to the business organization via email and organization will dispatch the product/goods to the customer.

Examples: amazon.com, daraz.com, gyapu.com, flipcart.com.

**My e-commerce project is also based on B2C Commerce.**

### **C2C e-commerce**

Website following C2C business model helps consumer to sell their assets like residential property, cars, motorcycles etc. or rent a room by publishing their information on the website. Website may or may not charge the consumer for its services. Another consumer may opt to buy the product of the first customer by viewing the post/advertisement on the website.

Examples: hamrobazar.com, olx.com, quikr.com

### **C2B e-commerce**

In this model, a consumer approaches website showing multiple business organizations for a particular service. Consumer places an estimate of amount he/she wants to spend for a particular service. For example, comparison of interest rates of personal loan/ car loan provided by various banks via website.

Business organization who fulfills the consumer's requirement within specified budget approaches the customer and provides its services.

### **B2G e-commerce**

B2G model is a variant of B2B model. Such websites are used by government to trade and exchange information with various business organizations. Such websites are accredited by

the government and provide a medium to businesses to submit application forms to the government.

### **G2B e-commerce**

Government uses B2G model website to approach business organizations. Such websites support auctions, tenders and application submission functionalities.

### **G2C e-commerce**

Government uses G2C model website to approach citizen in general. Such websites support auctions of vehicles, machinery or any other material. Such website also provides services like registration for birth, marriage or death certificates. Main objectives of G2C website are to reduce average time for fulfilling people requests for various government services.

## **1.3 Objectives**

- To practically implement the knowledge learnt during the completion of MIS & E-Business.
- To build a E-commerce site
- To Sell Chess Related Products Online

## **Chapter 2: Process of Building a Website**

### **2.1 Steps For Building A website**

The process to build a successfully ecommerce website is as follows. They are followed in the completion of this project.

**2.1.1 Select a Web host:** One of the first decisions that an online business will face is where to place its website on the Internet. The website may be included in a virtual shopping mall, such as 3d-berlin.com, the-virtualmall.com, or pointshop.com/mall. Alternatively, a web store can be hosted in a marketplace that is a collection of independent web stores like Yahoo! ( smallbusiness.yahoo.com ), Amazon.com, Etsy, or eBay. However, many medium and large-sized businesses build their own websites with either an independent hosting service or through self-hosting arrangements.

**Apache Server and MySQL is used**

**2.1.2 Register a domain name:** In a mall or web store, the business's name may be an extension of the host's name. A stand-alone website will need its own domain name, and decisions will have to be made about which top-level domain name to use and whether the domain name includes the business name or only some aspect of branding. Registering domain names is essential to a business.

<http://localhost/1word>

<https://www.chessstore.com.np> (futureplans)

**2.1.3 Create and manage content:** The website also needs content – the text, catalog, images, sound, and video – that delivers the information that visitors need and expect. Content can come from a variety of sources, but getting the right content in place, making it easy for viewers to find, delivering it effectively, and managing the content so it remains accurate and up-to-date are critical success factors.

**I used WordPress which is a great Content Management System(CMS).**

**2.1.4 Design the website:** This important task is design the web site. Stores in a mall or those using store builders may have limited options, but the stand-alone websites have many options.

**I used Sydney Theme of WordPress which was free of cost and modified a starter website into a Chess E-commerce Site using Elementor and WooCommerce**

**2.1.5 Construct the website and test:** Businesses must also decide whether to design and construct the website internally, contract it out to a Web design firm, or a combination of both. When the business owners are satisfied with the website, it is transferred to the website host. At this point, the website is open for business, but it requires final testing to ensure that all the links work and that the processes function as expected (e.g., acceptance of credit cards).

**We used Pay on Delivery as it is free , for adding payment through payment platforms such as Khalti, Esewa we need Merchant private and public key. We tested insertion of Products such as chessboard, books , etc.**

**2.1.6 Market and promote the website:** At this stage, the business promotes the location of the website, both online and offline. A business can use any of (online or offline) advertising strategies.

**Promotion is left and is the final step in launching after successful testing of website.**

## 2.2 Procedures During Design of Chess Store

### 2.2.1 Adding Products

Add new product

My System by Aron Nimzowitsch

Permalink: <https://localhost/1word/product/977/> Edit

Product description

Add Media Add WS Form Visual Text

Paragraph B I List Bulleted List Numbered List Quote Link Table

Product Details

[PDF excerpt](#)

[Aron Nimzowitsch](#) was one of the greatest chess players of the 1920s and 1930s, ranked just behind the famous World Champions Alekhine and Capablanca. His reputation as an author is higher still.

My System is at the top of a very short list of chess classics. Nimzowitsch's ideas have had a profound influence on modern chess thinking. Most chess masters will at some [point](#) have studied Nimzowitsch's work, and not to have read My System is by many regarded as a shocking gap in a chess player's education.

The problem for an English-speaking audience has been that My System was written in German more than eighty

Product gallery

Add product gallery images

Publish

Save Draft Preview

Status: Draft Edit

Visibility: Public Edit

Publish immediately Edit

Catalog visibility: Shop and search results Edit

Copy to a new draft

Move to Trash Publish

Figure 2.1 Adding Products

## 2.2.2 Adding Categories

Product categories

Product categories for your store can be managed here. To change the order of categories on the front-end you can drag and drop to sort them. To see more categories listed click the "screen options" link at the top-right of this page.

**Add new category**

Name

The name is how it appears on your site.

Slug

The "slug" is the URL-friendly version of the name. It is usually all lowercase and contains only letters, numbers, and hyphens.

Parent category






None

Assign a parent term to create a hierarchy. The term Jazz, for example, would be the parent of Bebop and Big Band.

Description

Bulk actions ▼ Apply

5 items

<input type="checkbox"/>	Image	Name	Description	Slug	Count	
<input type="checkbox"/>		Uncategorized	—	uncategorized	2	<span>⋮</span>
<input type="checkbox"/>		Books	—	books	3	<span>⋮</span>
<input type="checkbox"/>		Chess Pieces	—	chess-pieces	2	<span>⋮</span>
<input type="checkbox"/>		Sets	—	sets	1	<span>⋮</span>
<input type="checkbox"/>		Software	—	software	0	<span>⋮</span>

☐ Image Name Description Slug Count

Figure 2.2 Adding Categories

## 2.2.3 Adding Payments

Payment Methods

Installed payment methods are listed below and can be sorted to control their display order on the frontend.

Method	Enabled	Description	
<span>⋮</span> <span>^</span> <span>▼</span> <b>Direct bank transfer</b>	<input type="checkbox"/>	Take payments in person via BACS. More commonly known as direct bank/wire transfer.	<span>Finish set up</span>
<span>⋮</span> <span>^</span> <span>▼</span> <b>Check payments</b>	<input type="checkbox"/>	Take payments in person via checks. This offline gateway can also be useful to test purchases.	<span>Finish set up</span>
<span>⋮</span> <span>^</span> <span>▼</span> <b>Cash on delivery</b>	<input checked="" type="checkbox"/>	Have your customers pay with cash (or by other means) upon delivery.	<span>Manage</span>
<span>⋮</span> <span>^</span> <span>▼</span> <b>Khalti</b>	<input type="checkbox"/>	Payments Via Khalti.	<span>Finish set up</span>

Figure 2.3 Adding Payments

## 2.2.4 Adding Nepali Currency in WooCommerce

**Currency options**

The following options affect how prices are displayed on the frontend.

Currency

Currency position

Thousand separator

Decimal separator

Number of decimals

[Save changes](#)

Figure 2.4 Adding Currency

## 2.3 Steps of Online Shopping

The steps involved in this process is as follows:-

### 2.3.1 Add to Cart

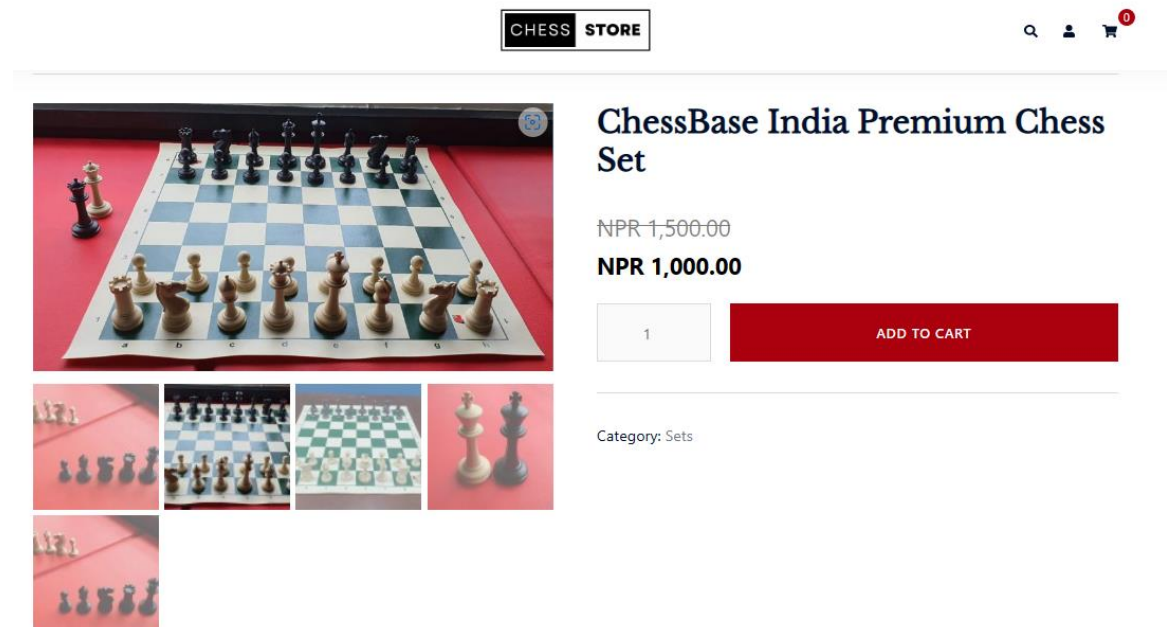


Figure 2.5 Product Page

### 2.3.2 Cart Page

## Cart



	Product	Price	Quantity	Subtotal
	 ChessBase India Premium Chess Set	NPR 1,000.00	<input type="text" value="1"/>	NPR 1,000.00
<input type="text" value="Coupon code"/> <input type="button" value="APPLY COUPON"/>				<input type="button" value="UPDATE CART"/>

Figure 2.6 Cart Page

### 2.3.3 Checkout Page

### Cart totals

<b>Subtotal</b>	NPR 1,000.00
<b>Shipping</b>	Free shipping Shipping to Kapan, Kathmandu, Bagmati. <a href="#">Change address</a>
<b>Total</b>	NPR 1,000.00

PROCEED TO CHECKOUT

Figure 2.7 Proceed to Checkout



## 2.2.5 Billing Address and Delivery Address

CHESS STORE

Q

1

Billing details

First name \*

Dipesh

Last name \*

Giri

Company name (optional)

MCQBES

Country / Region \*

Nepal

Street address \*

Kapan

Apartment, suite, unit, etc. (optional)

Town / City \*

Kathmandu

State / Zone \*

Bagmati

Postcode / ZIP (optional)

Phone \*

9864339700

Your order

Product	Subtotal
ChessBase India Premium Chess Set x 1	NPR 1,000.00
<b>Subtotal</b>	<b>NPR 1,000.00</b>
<b>Shipping</b>	Free shipping
<b>Total</b>	<b>NPR 1,000.00</b>

Cash on delivery

Pay with cash upon delivery.

PLACE ORDER

Figure 2.8 Billing Address

### 2.3.5 Confirmation

## Order received

ORDER NUMBER: 975    DATE: February 18, 2023    EMAIL: giridipesh01@gmail.com    TOTAL: NPR 1,000.00    PAYMENT METHOD: Cash on delivery

Pay with cash upon delivery.

### Order details

Product	Total
ChessBase India Premium Chess Set × 1	NPR 1,000.00
<b>Subtotal:</b>	<b>NPR 1,000.00</b>
<b>Shipping:</b>	<b>Free shipping</b>
<b>Payment method:</b>	<b>Cash on delivery</b>
<b>Total:</b>	<b>NPR 1,000.00</b>

### Billing address

Dipesh Giri  
MCQBES  
Kapan  
Kathmandu  
Bagmati  
  
9864339700  
  
giridipesh01@gmail.com

### Shipping address

Dipesh Giri  
MCQBES  
Kapan  
Kathmandu  
Bagmati

Figure 2.9 Confirmation

## 2.4 Tracking Order of Products

### 2.4.1 Accepting Orders

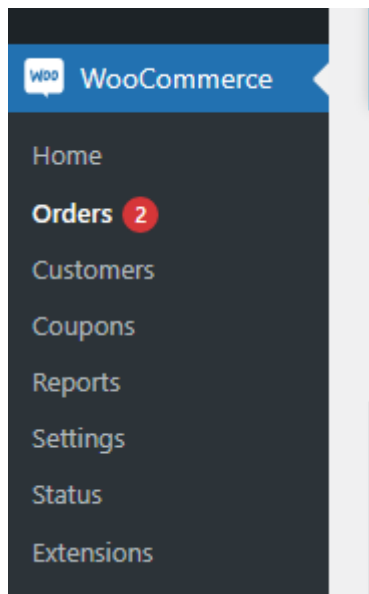
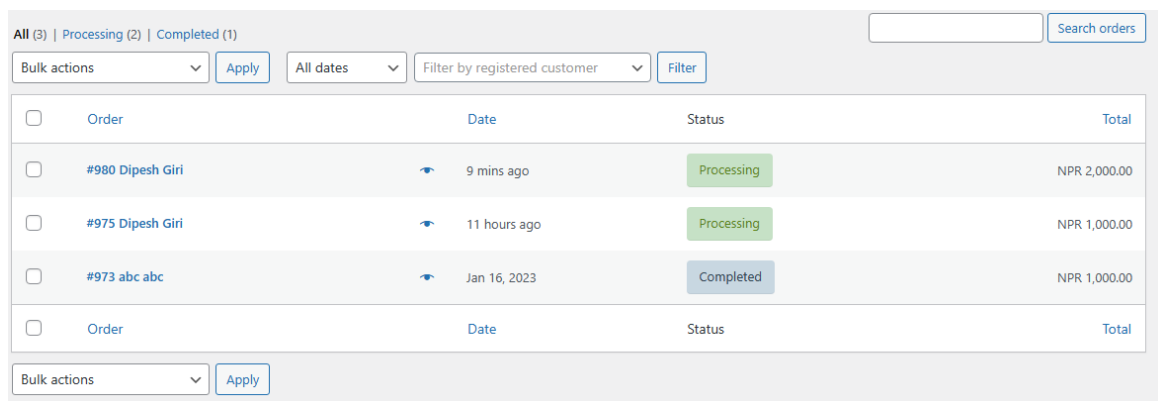


Figure 2.10 Orders tab

### 2.4.2 Viewing list of Orders



The screenshot shows the 'Viewing list of Orders' interface in WooCommerce. At the top, there are filters for 'All (3)', 'Processing (2)', and 'Completed (1)'. Below this is a search bar and a 'Search orders' button. A 'Bulk actions' dropdown menu is set to 'All dates', and a 'Filter by registered customer' dropdown is set to 'Filter'. The main table lists orders with columns for 'Order', 'Date', 'Status', and 'Total'. The table contains three rows of orders: one with status 'Processing' (NPR 2,000.00), one with status 'Processing' (NPR 1,000.00), and one with status 'Completed' (NPR 1,000.00). At the bottom, there is another 'Bulk actions' dropdown menu set to 'Apply'.

<input type="checkbox"/>	Order	Date	Status	Total
<input type="checkbox"/>	#980 Dipesh Giri	9 mins ago	Processing	NPR 2,000.00
<input type="checkbox"/>	#975 Dipesh Giri	11 hours ago	Processing	NPR 1,000.00
<input type="checkbox"/>	#973 abc abc	Jan 16, 2023	Completed	NPR 1,000.00

Figure 2.11 Viewing of Orders

## 2.4.3 Updating Order

Edit order

Add order

Order #975 details

Payment via Cash on delivery. Customer IP: ::1

General

Date created:

2023-02-18 @ 15 : 54

Status:

Processing

Customer:

Profile → View other orders →

abc abc (#1 – giridipesh01@gm... ×

Billing

Dipesh Giri

MCQBES

Kapan

Kathmandu

Bagmati

Email address:

giridipesh01@gmail.com

Phone:

9864339700

Shipping

Dipesh Giri

MCQBES

Kapan

Kathmandu

Bagmati

Order actions

Choose an action... >

Move to Trash

Update

Order notes

Payment to be made upon delivery. Order status changed from Pending payment to Processing.

February 18, 2023 at 3:54 pm Delete note

Add note ⓘ

Private note

Add


Item	Cost	Qty	Total
 <a href="#">ChessBase India Premium Chess Set</a>	NPR 1,000.00	× 1	NPR 1,000.00

Figure 2.12 Updating Order I

Order #975 details

Payment via Cash on delivery. Customer IP: ::1

General

Date created:

2023-02-18 @ 15 : 54

Status:

Completed

Customer:

Profile → View other orders →

abc abc (#1 – giridipesh01@gm... ×

Billing

Dipesh Giri

MCQBES

Kapan

Kathmandu

Bagmati

Email address:

giridipesh01@gmail.com

Phone:

9864339700

Shipping

Dipesh Giri

MCQBES

Kapan

Kathmandu

Bagmati

Figure 2.13 Updating Order II

Orders

Add order

All (3) | Processing (1) | Completed (2)

Bulk actions

Apply

All dates

Filter by registered customer

Filter

Search orders

<input type="checkbox"/>	Order	Date	Status	Total
<input type="checkbox"/>	#980 Dipesh Giri	11 mins ago	Processing	NPR 2,000.00
<input type="checkbox"/>	#975 Dipesh Giri	11 hours ago	Completed	NPR 1,000.00
<input type="checkbox"/>	#973 abc abc	Jan 16, 2023	Completed	NPR 1,000.00
<input type="checkbox"/>	Order	Date	Status	Total

Bulk actions

Apply

Figure 2.14 Order Completed

## **Chapter 3: Conclusion and Future Recommendations**

### **3.1 Lesson Learnt**

After finishing our project entitled CHESS STORE: A CHESS E-COMMERCE SITE, I could gladly say that I've received a tremendous amount of understanding about how the e-commerce site is made in actual life. I have not been able to do this project at the start because of a lack of information in some the area however with remarkable support, I could ultimately complete our project. Even though the project I have developed isn't ideal in each thing however the experience I've got competing this project is appreciable.

### **3.2 Conclusion**

Based on the facts and on the data gathered, the conclusion is that the website is built on the concepts taught in the MIS & E-business. It is not perfect but with more resources such as Elementor Pro, Payment Services it can be improved.

.

## References

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[WordPress.org Documentation](#)

[Elementor: #1 Free WordPress Website Builder | Elementor.com](#)

[WooCommerce - Open Source eCommerce Platform](#)


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## Appendices

CHESS STORE


Chess For All

Shop now




CHESS STORE

Top products




ChessBase 17 and Mega 2023 are here

~~NPR 10,000.00~~  
**NPR 8,999.00**



ChessBase India Notebook + King of Words Notebook (Combo)

~~NPR 590.00~~  
**NPR 499.00**



ChessBase India Premium Chess Set

~~NPR 1,500.00~~  
**NPR 1,000.00**

Contact Us At:-



© Chess Store , 9864339700.



# My account

## Login

Username or email address \*

Password \*



☐ Remember me

LOG IN

[Lost your password?](#)