Visvesvaraya Technological University, Belagavi - 590018

DBMS MINI PROJECT REPORT

ON

"Handmade Product Management System"

Submitted by

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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

A. J. INSTITUTE OF ENGINEERING AND TECHNOLOGY
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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the Mini project entitled ***"Handmade Product Management System"*** *is a bonafide work carried out by*

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Students of fifth semester Bachelor of Engineering in Information Science and Engineering, and submitted as a part of the course in DBMS Laboratory with Mini Project during the academic year 2022-2023.

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Name of the Examiners	**Signature with Date**
1. ……	1. ……
2. ……	2. ……

ABSTRACT

India is a country in which millions of people possess traditional skills and knowledge of producing handicrafts goods. Indian Handicrafts industry is highly labour intensive & decentralized. It provides maximum employment opportunities after the agriculture sector. Despite being a major contributor towards the country's economy the industry has not achieved as much recognition as it deserves. Artisans are solely dependent on middle-man for the selling of their products. This creates a one-dimensional approach which minimises the profit and fails to display the skills of proud artisans. Internet marketing can help solve the problem of artisans in an efficient manner. Online Handicrafts Store is an e-commerce portal for artisans and individual handicrafts makers to retail their products online. Artisans would benefit by maximizing their profit as this eliminates the need for a middle-man and they will also avail the benefits of a wider target audience. With the right approach, skilled products of individual artisans will be readily made available to people in need of it. Going through various existing platforms there was a common theme of capitalism i.e. scope for minimal profits. Sellers can register on the website and provide details of their various products. After confirmation of authenticity their products will be readily available on the portal. The portal can be divided into two parts i.e. the front end which will be available to the user & the backend where data will be processed and maintained. The robust portal will provide convenience of ordering skilled handicraft products at the convenience of a computer system connected to the internet. Artisans can register as sellers and fill out a form pertaining to relevant details. The data will be entered into the databases andwill be visible on the portal. Artisans will be kept in loop so as to maintain the availability of products and reducethe problems of online shopping.

ACKNOWLEDGEMENT

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- Harsharaj B: 4JK20IS019

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CHAPTER 1

INTRODUCTION

Online Handicrafts Store is a web-based portal designed keeping in mind the dedication and hardwork of individual artisans and craftsmen. Aim is to incorporate modern technology to provide artisans with a platform to showcase their skills of crafts and cater to a wider range of audience. This approach reduces the cost of acquiring a middle-man and also provides an opportunity for a greater profit margin for the sellers. Sellers can directly register on the portal and showcase their skills to the world. The portal is a digital store where users can buy various products handcrafted by skilled artisans and individual manufacturers in accordance to their needs. The website is trendy and highly functional in accordance with the needs of a modern consumer. The administrator owns the right over the data displayed on the portal. Artisans register as sellers and send their products info to the administrator who manages the data at the backend.

1.1 Problem Definition

Most skilled craftsmen lack a platform to sell their products and showcase their skill. In order to make their product available to a larger audience, local artisans rely on a middleman which further reduces their margin of profit. Further problems include the authenticity of a design or a product since it is not being registered. Lack of publicity automatically yields low demand. Low quality makers are trumping skilled craftsmen due their vastly superior presence in the market. An online web application for selling handicrafts online can be used to tackle these problems.

1.2 Objectives & Scope of Project

Scope of this project directly revolves around welfare of individual artisans.

Few of them are :-

- This can be used by and for various individual artisans throughout the country.
- Can be used anywhere any time as it is a web based application (user Location doesn’t matter).

CHAPTER 2

SOFTWARE REQUIREMENT SPECIFICATION

Software requirement specification specifies the requirements required to run the given web application. The detailed explanation is given below.

2.1 Functional Requirement

The functional requirements are those requirements which are necessary to the eye of the user and the client. Here we try to make the module possible to accomplish the need of the desired function.

2.2 Hardware Requirement Specification

- PROCESSOR: intel® Core™ i3-7100U
- SPEED: 2.10 GB
- RAM: 2.0 GB minimum
- SPACE ON DISK: 15 GB minimum

2.3 Software Requirement Specification

- XAMPP
- VS code editor
- SUBLIME
- Programming Languages: PHP, SQL, CSS, JS.

2.3.1 XAMPP

XAMPP is a free and open source cross-platform web server solution stack package developed by Apache Friends, consisting mainly of the Apache HTTP Server, Maria DB database, and interpreters for scripts written in the PHP and Perl programming languages. XAMPP stands for Cross-Platform (X), Apache (A), Maria DB (M), PHP (P) and Perl (P). It is a simple, lightweight Apache distribution that makes it extremely easy for developers

to create a local web server for testing and deployment purposes. Everything needed to set up a web server – server application (Apache), database (Maria DB), and scripting language (PHP) - is included in an extractable file. XAMPP is also cross-platform, which means it works equally well on Linux, Mac and Windows.Since most actual web server deployments use the same components as XAMPP, it makes transitioning from a local test server to a live server extremely easy as well.

2.3.2 VISUAL STUDIO CODE

Visual Studio Code is a source-code editor made by Microsoft for Windows, Linux and mac OS. Features include support for debugging, syntax highlighting, intelligent code completion, snippets, code refactoring, and embedded Git. Users can change the theme, keyboard shortcuts, preferences, and install extensions that add additional functionality. Visual Studio Code includes multiple extensions for FTP, allowing the software to be used as a free alternative for web development. Code can be synced between the editor and the server, without downloading any extra software.

2.3.3 SUBLIME

Sublime Text editor is used as an Integrated Development Editor (IDE) like Visual Studio code and NetBeans. The current version of Sublime Text editor is 3.0 and is compatible with various operating systems like Windows, Linux and MacOS. Users can customize it with themes and expand its functionality with plugins, typically community-built and maintained under free-software licenses. To facilitate plugins, Sublime Text features a web development. The editor utilizes minimal interface and contains features for programmers including configurable syntax highlighting, code folding, search-and- replace supporting regular-expressions, terminal output window, and more. It is proprietary software, but a free evaluation version is available.

2.3.4 PHP

PHP is an acronym for "PHP: Hypertext Preprocessor". It is a widely-used, open source scripting language. PHP scripts are executed on the server and is free to download and use. It is powerful enough to be at the core of the biggest blogging system on the web (WordPress)!. It is deep enough to run large social networks! And is also easy enough to be a beginner's first server side language PHP performssystem functions, i.e. from files on a system it can create, open, read, write, and close them. PHP can handle forms, i.e. gather data from files, save data to a file, through email you can send data, return data to the user. You add, delete, modify elements within your database through PHP. Access cookies variables and set cookies.

Using PHP, you can restrict users to access some pages of your websiteand it can encrypt data.

2.3.5 SQL

SQL (Structured Query Language) is a standardized programming language that's used to manage relational databases and perform various operations on the data in them. SQL offers two main advantages over older read–write APIs such as ISAM or VSAM. Firstly, it introduced the concept of accessing many records with one single command. Secondly, it eliminates the need to specify how to reach a record, e.g. with or without an index. Originally based upon relational algebra and tuple relational calculus, SQL consists of many types of statements, which may be informally classed as sublanguages, commonly: a data query language (DQL), a data definition language (DDL), a data control language (DCL), and a data manipulation language (DML). The scope of SQL includes data query, data manipulation (insert, update, and delete), data definition (schema creation and modification), and data access control. Although SQL is essentially a declarative language (4GL), it also includes procedural elements. SQL implementations are incompatible between vendors and do not necessarily completely follow standards. In particular, date and time syntax, string concatenation and comparison case sensitivity vary from vendor to vendor. PostgreSQL and Mimer SQL strive for standards compliance, though PostgreSQL does not adhere to the standard in all cases. For example, the folding of unquoted names to lower case in PostgreSQL is incompatible with the SQL standard, which says that unquoted names should be folded to upper case.

CHAPTER 3

SYSTEM DESIGN

Software design is the process by which an agent creates specification of software artifact, intended to accomplish goals, using the set of primitive components and subject to constraints.

3.1 ER Model

An entity set is a group of similar entities and these entities can have attributes. An entity is a table or attribute of a table in database, so by showing relationship among tables and their attributes, ER diagram shows the complete logical structure of a database.

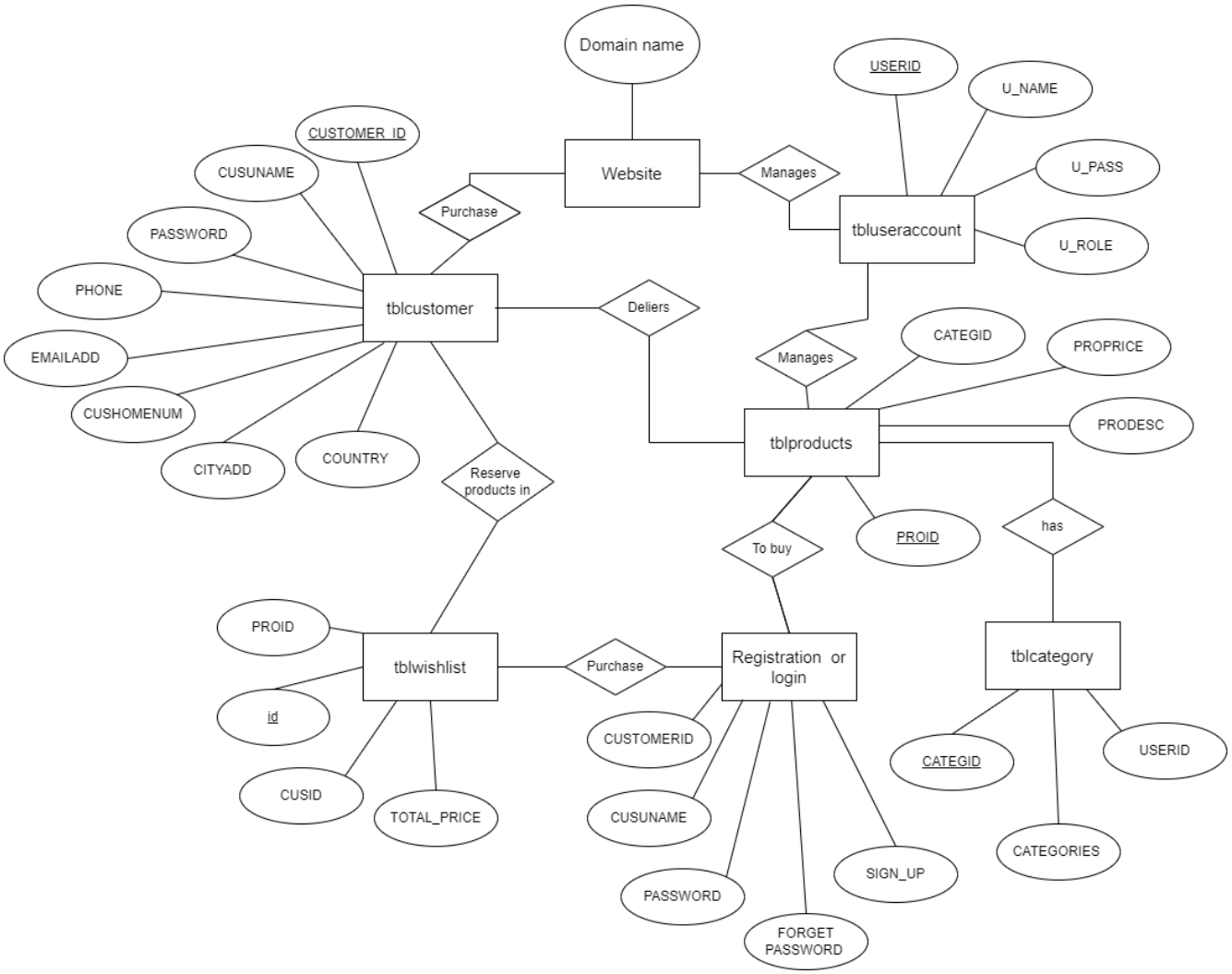

Figure 3.1: ER Diagram for Handmade Product Management System

3.2 Schema Diagram

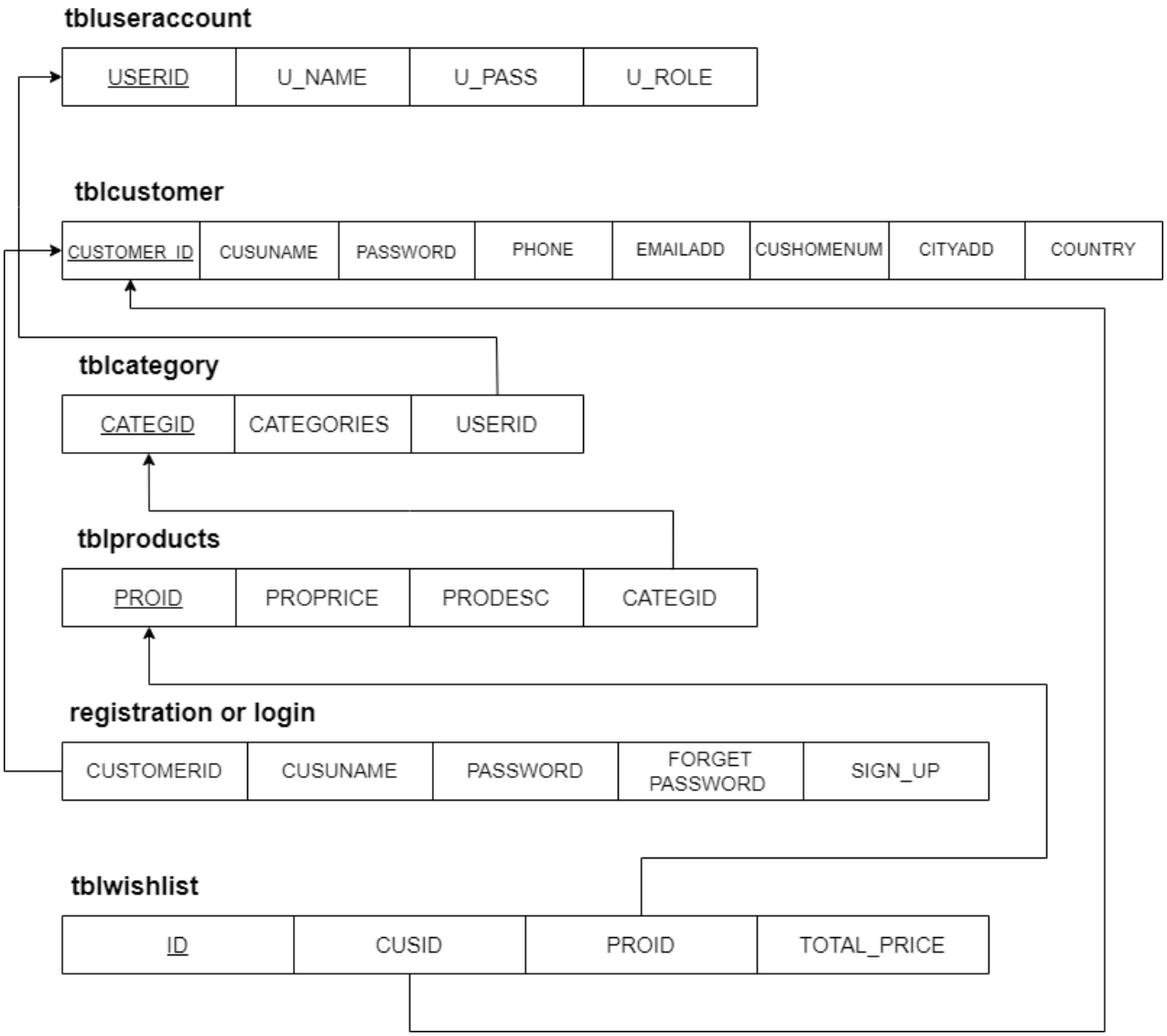

Figure 3.2: Schema Diagram for Handmade Product Management System

3.3 TABLE DESCRIPTION

A table is a named original data base data set that is organized by rows and columns. The relational table is a fundamental relational data base concept because tables are the primary formof a data storage. Columns form the table's structure and rows form the content.

In table 3.3.1: CUSTOMERID, FNAME, LNAME, MNAME, CUSHOMENUM, STREETADD, BRGYADD, CITYADD, PROVINCE, COUNTRY, DBIRTH, GENDER, PHONE, EMAILADD, ZIPCODE, CUSUNAME, CUSPASS, CUSPHOTO, TERMS, DATEJOIN are the attributes and CUSTOMERID is the primary key.

Table 3.3.1: Customer

ATTRIBUTE	DATA TYPE	CONSTRAINTS	DESCRIPTION
CUSTOMERID	int	Primary key	Id given for Customer
FNAME	varchar		First Name
LNAME	varchar		Last Name
MNAME	varchar		Middle Name
CUSHOMENUM	varchar		Home Number
STREETADD	text		Street Address
BRGYADD	text		BRGY Address
CITYADD	text		City Address
PROVINCE	varchar		Province
COUNTRY	varchar		Country
DBIRTH	date		Date of Birth
GENDER	varchar		Gender
PHONE	varchar		Phone Number
EMAILADD	varchar		Email Address
ZIPCODE	int		Zip code
CUSUNAME	varchar		Customer User Name
CUSPASS	varchar		Customer Password
CUSPHOTO	int		Customer Photo
TERMS	varchar		Terms
DATEJOIN	varchar		Date of Join

In table 3.3.2: ORDERID, PROID, ORDEREDQTY, ORDEREDPRICE, ORDEREDNUM, UDERID are the attributes, ORDERID is the primary key and PROID, ORDEREDNUM UDERID are the foreign key.

Table 3.3.2: Order

ATTRIBUTE	DATA TYPE	CONSTRAINTS	DESCRIPTION
ORDERID	int	Primary key	Order Id
PROID	int	Foreign key	Product Id
ORDEREDQTY	int		Ordered Quantity
ORDEREDPRICE	double		Ordered Price
ORDEREDNUM	int	Foreign key	Ordered Number
USERID	int	Foreign key	User Id

In table 3.3.3: PROID, PRODESC, INGREDIENTS, PROQTY, ORIGINALPRICE, PROPRICE, CATEGID, IMAGES, PROSTATS, OWNERNAME, OWNERPHONE are the attributes, PROID is the primary key and CATEGID is the foreign key.

Table 3.3.3: Product

ATTRIBUTE	DATA TYPE	CONSTRAINTS	DESCRIPTION
PROID	int	Primary key	Product Id
PRODESC	varchar		Product Description
INGREDIENTS	varchar		Ingredients
PROQTY	int		Product Quantity
ORIGINALPRICE	double		Original Price
PROPRICE	double		Product Price
CATEGID	int	Foreign key	Category Id
IMAGES	Varchar		Images
PROSTATS	Varchar		Product Status
OWNERNAME	Varchar		Owner Name
OWNERPHONE	varchar		Owner Phone Number

In table 3.3.4: SUMMARYID, ORDEREDDATE, CUSTOMERID, ORDEREDNUM, DELFEE, PAYMENT, PAYMENTMETHOD, ORDEREDSTATS, ORDEREDMARKS, CLAIMEDDATE, HVIEW, USERIS are the attributes, SUMMARYID is the primary key and CUSTOMERID, ORDEREDNUM are the foreign key.

Table 3.3.4: Summary

ATTRIBUTE	DATA TYPE	CONSTRAINTS	DESCRIPTION
SUMMARYID	int	Primary key	Summary Id
ORDEREDDATE	datetime		Ordered Date
CUSTOMERID	int	Foreign key	Customer Id
ORDEREDNUM	int	Foreign key	Ordered Number
DELFEE	double		Delivery Fees
PAYMENT	double		Payment
PAYMENTMETHOD	varchar		Payment Method
ORDEREDSTATS	varchar		Ordered Status
ORDEREDMARKS	varchar		Ordered Marks
CLAIMEDDATE	datetime		Claimed Date
HVIEW	tinyint		View
USERID	int		User Id

In table 3.3.5: id, CUSID, PROID, WISHDATE, WISHSTATS are the attributes and id are the primary key.

Table 3.3.5: Wishlist

ATTRIBUTE	DATA TYPE	CONSTRAINTS	DESCRIPTION
id	int	Primary key	Id
CUSID	int		Customer Id
PROID	int		Product Id
WISHDATE	date		Wishlist Date
WISHSTATS	text		Wishlist Status

In table 3.3.6: SETTINGID, PLACE, BRGY, DELPRICE are the attributes and SETTINGID is the primary key.

Table 3.3.6: Setting

ATTRIBUTE	DATA TYPE	CONSTRAINTS	DESCRIPTION
SETTINGID	int	Primary key	Setting Id
PLACE	text		Place
BRGY	varchar		BRGY
DELPRICE	double		Delivery Price

In table 3.3.7: PROMOID, PROID, PRODISCOUNT, PRODISPRICE, PROBANNER, PRONEW are the attributes, PROMOID is the primary key and PROID is the foreign key.

Table 3.3.7: Promo

ATTRIBUTE	DATA TYPE	CONSTRAINTS	DESCRIPTION
PROMOID	int	Primary key	Promo Id
PROID	int	Foreign key	Product Id
PRODISCOUNT	double		Product Discount
PRODISPRICE	double		Product Discount Price
PROBANNER	tinyint		Product Banner
PRONEW	tinyint		New Product

In table 3.3.8: CATEGID, CATEGORIES, USERID are the attributes and CATEGID is the primary key.

Table 3.3.8: Category

ATTRIBUTE	DATA TYPE	CONSTRAINTS	DESCRIPTION
CATEGID	int	Primary key	Category Id
CATEGORIES	varchar		Categories
USERID	int		User Id

In table 3.3.9: USERID, U_NAME, U_USERNAME, U_PASS, U_ROLE, USERIMAGE are the attributes and USERID is the primary key.

Table 3.3.9: User Account

ATTRIBUTE	DATA TYPE	CONSTRAINTS	DESCRIPTION
USERID	int	Primary key	User Id
U_NAME	varchar		Name of the User
U_USERNAME	varchar		Username
U_PASS	varchar		User Password
U_ROLE	varchar		User Role
USERIMAGE	varchar		User Image

CHAPTER 4

IMPLEMENTATION

Implementation is defined as specific set of activities designed to put into practice an activity or program of known dimensions. Implementation processes are purposeful and are described in sufficient details such that independent can detect the presence and strength of the specific set of activities related to implementation.

4.1 Details of the Language

Our project is implemented using MySQL, CSS, JS, PHP. The reason we chose PHP because it has many advantages such as it is opensource, platform independent, application can easily be loaded which are based on PHP and connected to database.

4.1.1 MySQL

Structured Query Language, commonly known as SQL, is a standard programming language for relational databases. Despite being older than many other types of code, it is the most widely implemented database language. Because SQL is so common, knowing it is valuable to anyone involved in computer programming or who uses databases to collect and organize information. Learn more about what SQL is and career opportunities in the field.

4.1.2 CSS

CSS was first developed in 1997, as a way for Web developers to define the look and feel of their Web pages. It was intended to allow developers to separate content from design so that HTML can perform more of the function that it was originally based on the markup of content, without worry about the design.

4.1.3 PHP

HP (recursive acronym for PHP: Hypertext Preprocessor) is a widely-used opensource general-purpose scripting language that is especially suited for web development and can be embedded into HTML.

CHAPTER 5

SCREENSHOTS

The following screenshots includes database table structures and front-end view of a Handmade Product Management System. Database is used for Handmade Product Management System is XAMPP. The below tables used in Gym Evolution Management System database.

5.1 Screenshots of Table Created

The following database mainly contains of 9 tables as shown in the figure namely tblcategory, tblcustomer, tblorder, tblproduct, tblpromopro, tblsetting, tblsetting, tblsummary, tbluseraccount, tblwishlist. The description of each table is shown below.

	Table	Action	Rows	Type	Collation	Size	Overhead
☐	tblcategory	Browse Structure Search Insert Empty Drop	8	InnoDB	latin1_swedish_ci	16.0 KiB	-
☐	tblcustomer	Browse Structure Search Insert Empty Drop	2	InnoDB	latin1_swedish_ci	16.0 KiB	-
☐	tblorder	Browse Structure Search Insert Empty Drop	3	InnoDB	latin1_swedish_ci	64.0 KiB	-
☐	tblproduct	Browse Structure Search Insert Empty Drop	32	InnoDB	latin1_swedish_ci	32.0 KiB	-
☐	tblpromopro	Browse Structure Search Insert Empty Drop	32	InnoDB	latin1_swedish_ci	32.0 KiB	-
☐	tblsetting	Browse Structure Search Insert Empty Drop	2	InnoDB	latin1_swedish_ci	16.0 KiB	-
☐	tblsummary	Browse Structure Search Insert Empty Drop	10	InnoDB	latin1_swedish_ci	64.0 KiB	-
☐	tbluseraccount	Browse Structure Search Insert Empty Drop	2	InnoDB	latin1_swedish_ci	16.0 KiB	-
☐	tblwishlist	Browse Structure Search Insert Empty Drop	2	InnoDB	latin1_swedish_ci	16.0 KiB	-

Figure 5.1.1: Handmade Product Management System Database Table

	CATEGID	CATEGORIES	USERID
Edit Copy Delete	5	SHOES	0
Edit Copy Delete	11	BAGS	0
Edit Copy Delete	12	CLOTHING	0
Edit Copy Delete	13	JEWELLERY	0
Edit Copy Delete	14	HOUSEHOLDS	0
Edit Copy Delete	15	FASHION	0
Edit Copy Delete	17	WOMENS	0
Edit Copy Delete	18	MENS	0

Figure 5.1.2: Category Table

	CUSTOMERID	FNAME	LNAME	MNAME	CUSHOMENUM	STREETADD	BRGYADD	CITYADD	PROVINCE	COUNTRY	DBIRTH	GENDER	PHONE	EMAILADD	ZIPCODE
Edit Copy Delete	12	Harsha	Raj		CUS01	Kottara		Mangalore		India	2003-03-14	Male	7353003191	harsharajb14303@gmail.com	575006
Edit Copy Delete	13	Kiran	Kumar		CUS02	Jayanagar		Bangalore		India	2002-04-19	Male	9876543210	thekirankumarv@gmail.com	520088

Figure 5.1.3: Customer Table

	ORDERID	PROID	ORDEREDQTY	ORDEREDPRICE	ORDEREDNUM	USERID
Edit Copy Delete	1	201737	4	476	93	0
Edit Copy Delete	2	201740	3	447	93	0
Edit Copy Delete	3	201738	1	199	94	0
Edit Copy Delete	4	201749	1	2999	95	0
Edit Copy Delete	5	201738	1	299	96	0

Figure 5.1.4: Order Table

	PROID	PRODESC	INGREDIENTS	PROQTY	ORIGINALPRICE	PROPRICE	CATEGID	IMAGES	PROSTATS	OWNERNAME	OWNERPHONE
Edit Copy Delete	201747	Saundarya Kinnauri Stole		4	1999	1299	12	uploaded_photos/dsc02132.jpg	Available	kiran	1234567890
Edit Copy Delete	201749	Wool mouthboots women shoes		8	3499	2999	5	uploaded_photos/bda6c21c7a0064e19f884ec2df6cf537.j...	Available	Harsharaj	7353003193
Edit Copy Delete	201750	Men's High quality handmade shoes, Three pair in d...		9	10000	7999	5	uploaded_photos/688c929def36c8e3831dea9ea374682a.j...	Available	Harsharaj	7353003193
Edit Copy Delete	201751	Brown Leather TREK Moccasin High Unisex - Etsy		9	8000	5999	5	uploaded_photos/52c6c4a3cdbc96c8c1e761f3e78b004d.j...	Available	Harsharaj	7353003193
Edit Copy Delete	201752	Quirky Straight Collar Pineapple Shirt ...		10	599	399	18	uploaded_photos/dsc06160.jpg	Available	Harsharaj	7353003193
Edit Copy Delete	201753	Crimson Wonder Mandarin Collar Shirt ...		10	299	249	18	uploaded_photos/dsc05972.jpg	Available	Harsharaj	7353003193
Edit Copy Delete	201754	Straight Collar Ajrakh Print Shirt ...		10	599	499	18	uploaded_photos/dsc05596_copy_1.jpg	Available	Harsharaj	7353003193

Figure 5.1.5: Product Table

	PROMOID	PROID	PRODISCOUNT	PRODISPRICE	PROBANNER	PRONEW
Edit Copy Delete	11	201747	0	1299	0	0
Edit Copy Delete	13	201749	25	2249.25	1	0
Edit Copy Delete	14	201750	50	3999.5	1	0
Edit Copy Delete	15	201751	66	2039.66	1	0
Edit Copy Delete	16	201752	0	399	0	0
Edit Copy Delete	17	201753	0	249	0	0

Figure 5.1.6: Promo Table

	SETTINGID	PLACE	BRGY	DELPRICE
Edit Copy Delete	1	INDIA	COUNTRY	50
Edit Copy Delete	2	USA	COUNTRY	70

Figure 5.1.7: Setting Table

	SUMMARYID	ORDEREDDATE	CUSTOMERID	ORDEREDNUM	DELFEE	PAYMENT	PAYMENTMETHOD	ORDEREDSTATS	ORDEREDREMARKS
Edit Copy Delete	1	2019-08-21 06:24:24	9	93	0	0	Cash on Delivery	Pending	Your order is on process.
Edit Copy Delete	3	2019-08-21 06:27:09	9	94	70	269	Cash on Delivery	Confirmed	Your order has been confirmed.
Edit Copy Delete	4	2023-01-25 07:59:23	14	95	0	2999	Cash on Delivery	Pending	Your order is on process.
Edit Copy Delete	5	2023-01-25 08:25:42	12	96	0	299	Cash on Delivery	Pending	Your order is on process.
Edit Copy Delete	6	2023-01-25 08:30:29	12	97	50	7999	Cash on Delivery	Pending	Your order is on process.

Figure 5.1.8: Summary Table

	USERID	U_NAME	U_USERNAME	U_PASS	U_ROLE	USERIMAGE
Edit Copy Delete	128	harsha	harsha	d033e22ae348aeb5660fc2140aec35850c4da997	Administrator	photos/harsha.jpeg
Edit Copy Delete	129	Kiran	kiran	d033e22ae348aeb5660fc2140aec35850c4da997	Administrator	

Figure 5.1.9: User Account Table

	id	CUSID	PROID	WISHDATE	WISHSTATS
Edit Copy Delete	2	9	201742	2019-08-21	0
Edit Copy Delete	3	12	201751	2023-01-25	0

Figure 5.1.10: Wishlist Table

5.2 Front-End Screenshots

This is the representation of how our front-end looks like when someone uses this project.

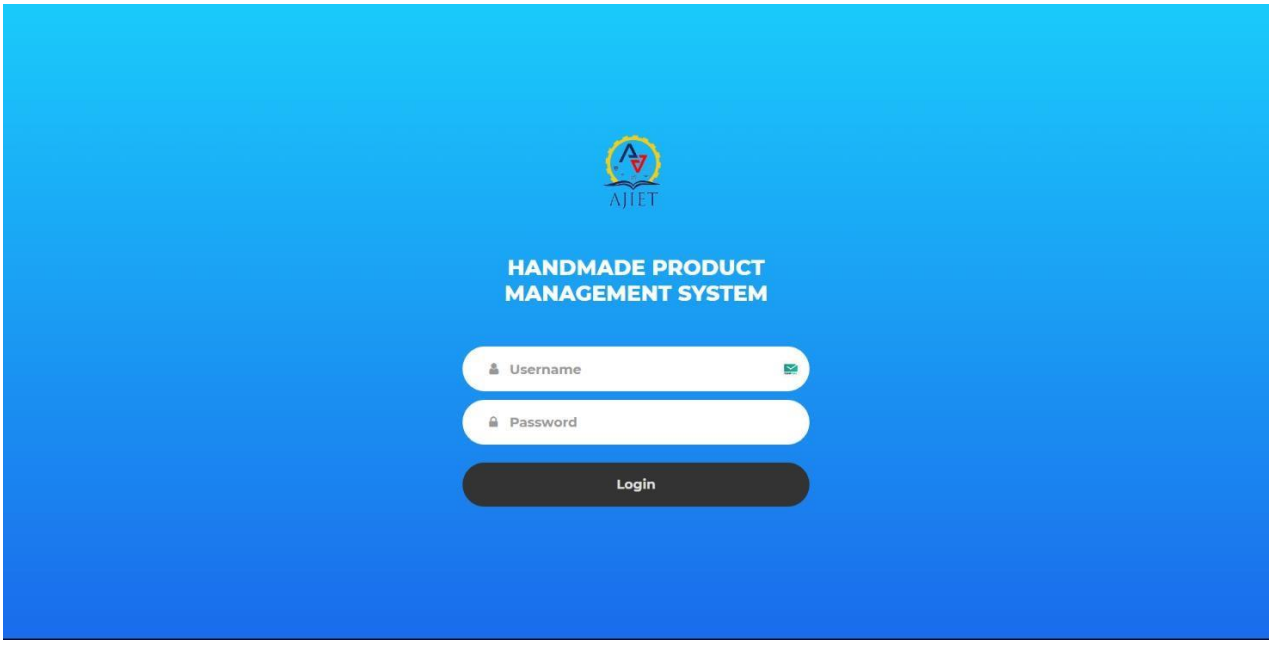

Figure 5.2.1: Admin Login Page

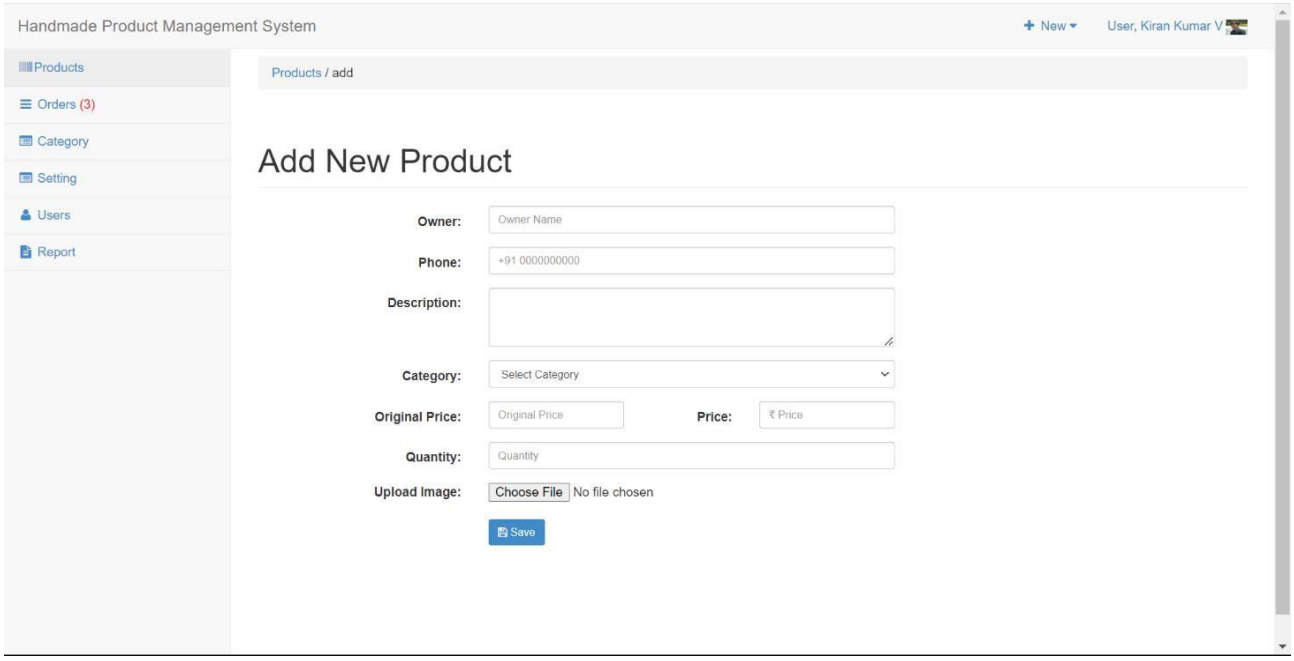

Figure 5.2.2: Add New Products Page

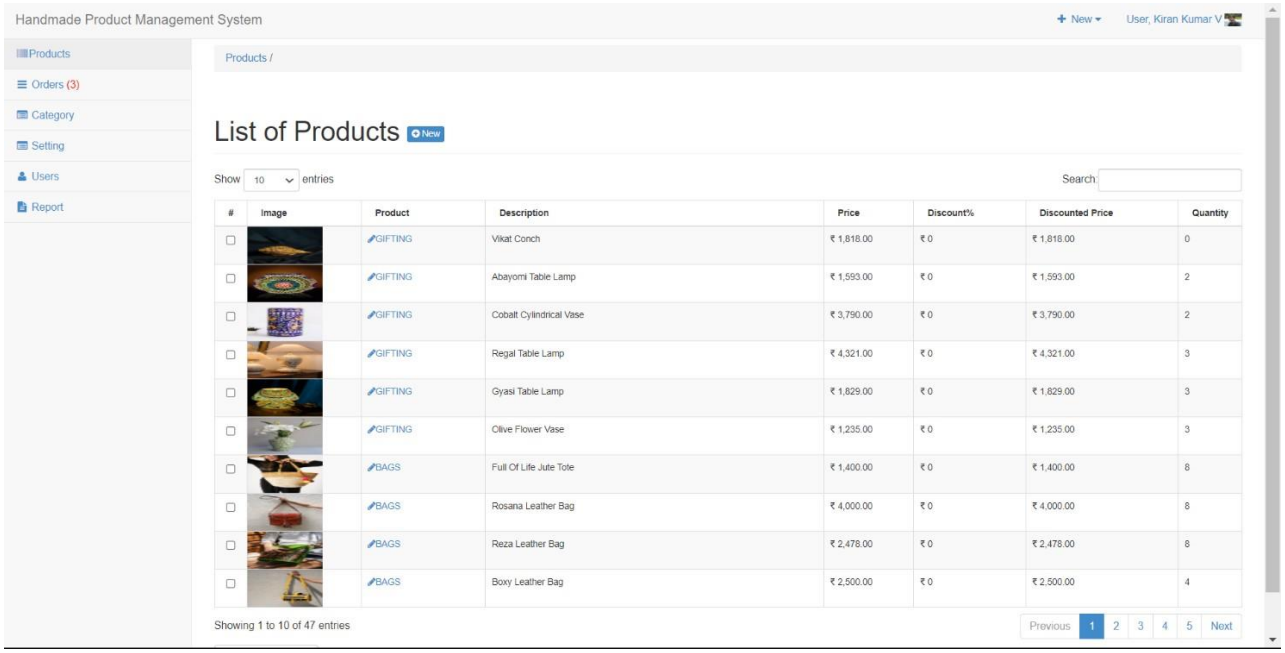

Figure 5.2.3: List of Products Page

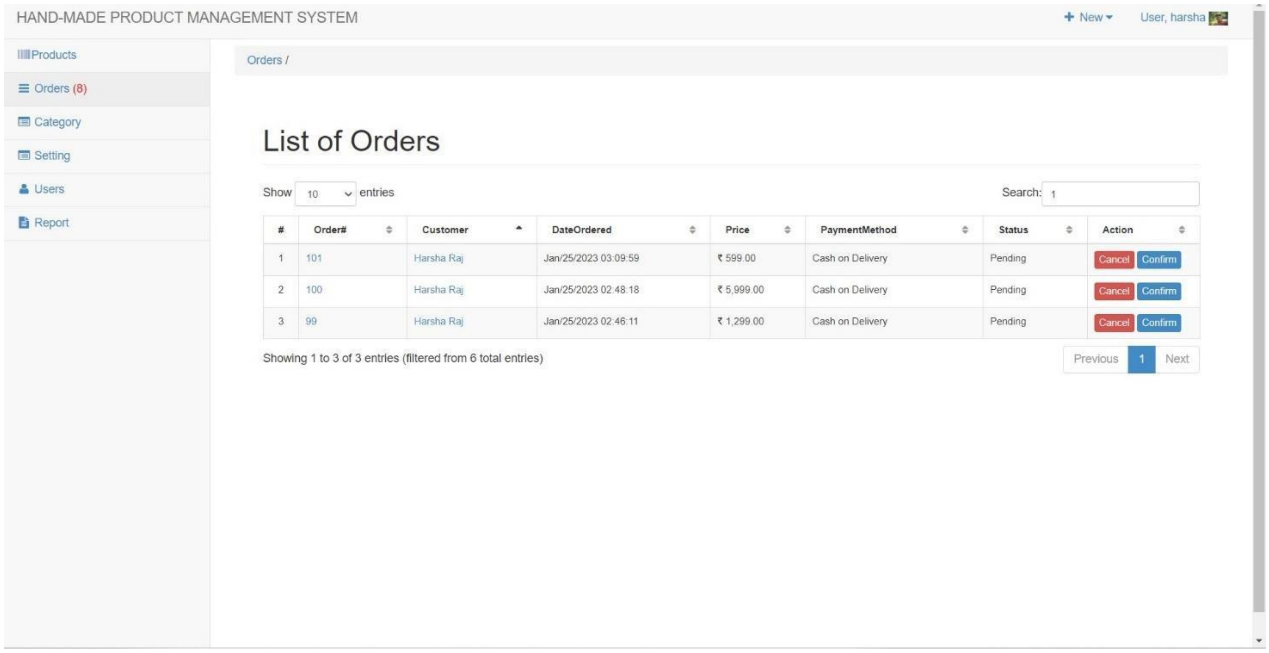

Figure 5.2.4: Orders Page

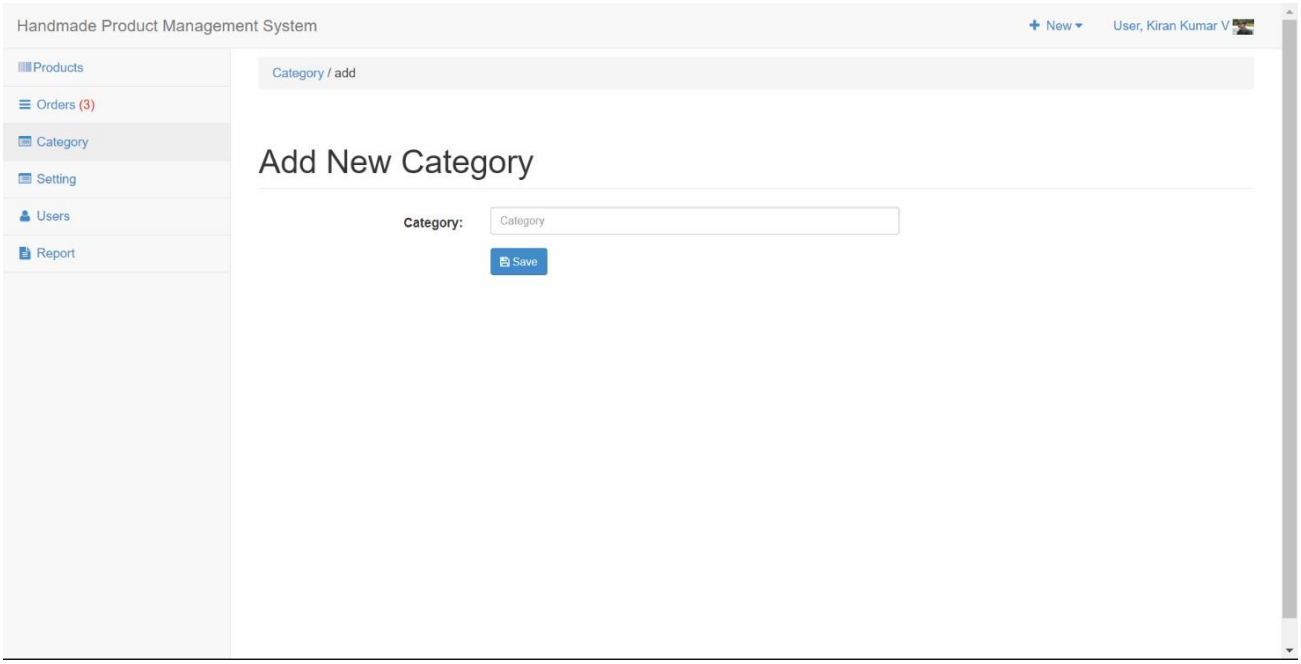

Figure 5.2.5: Add New Category Page

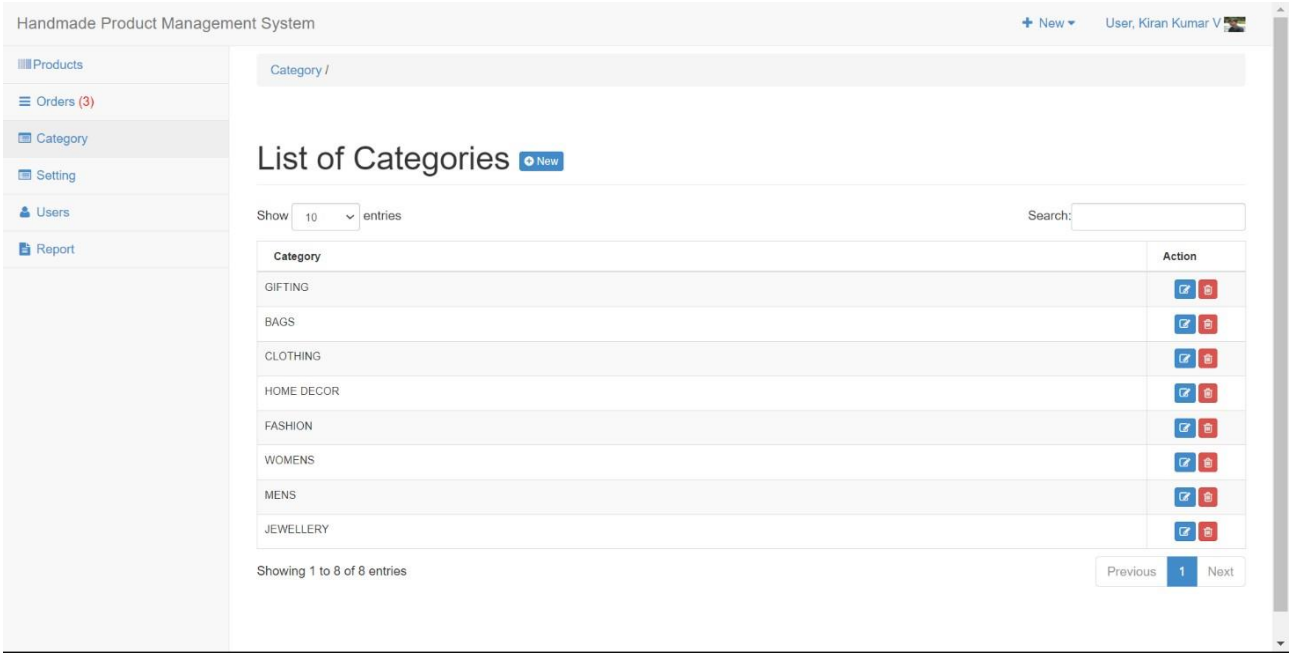

Figure 5.2.6: Category Page

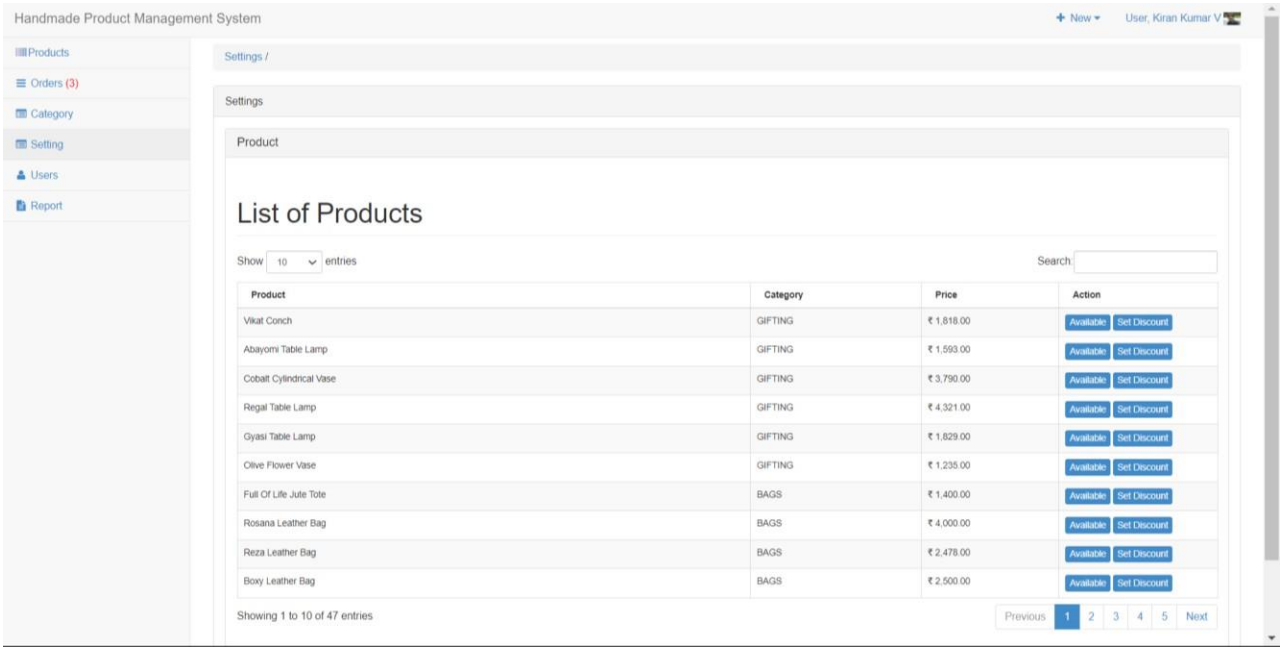

Figure 5.2.7: Settings Page

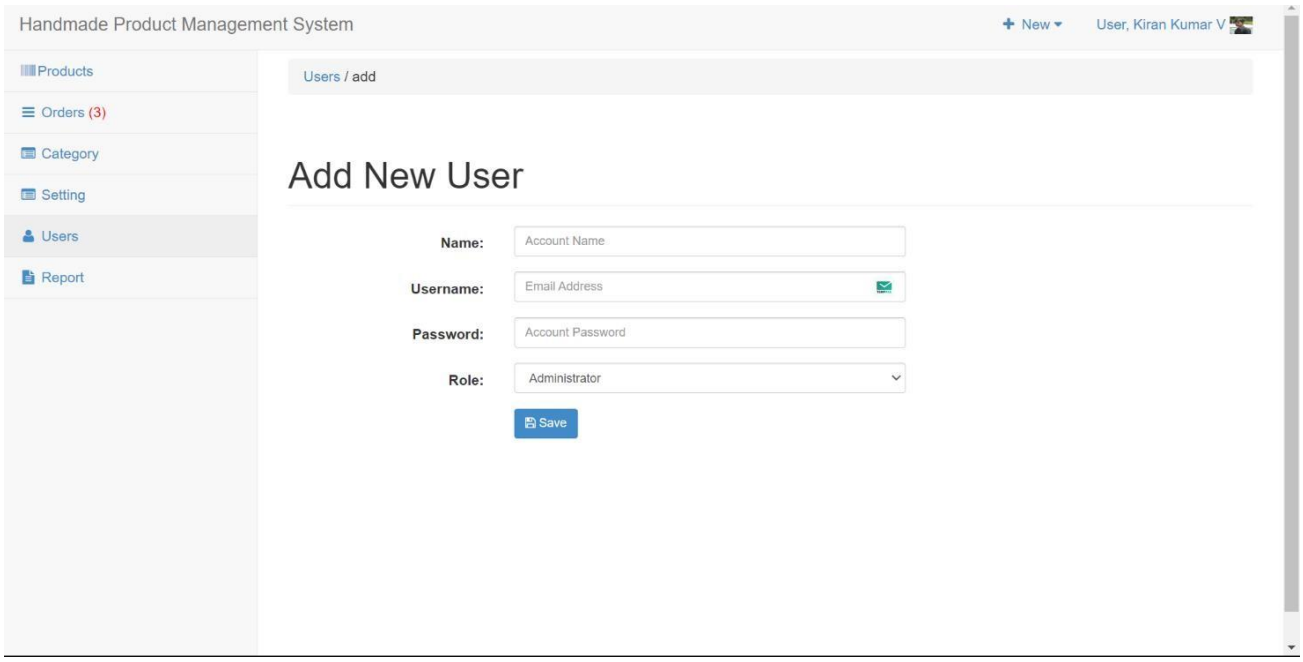

Figure 5.2.8: Users Page

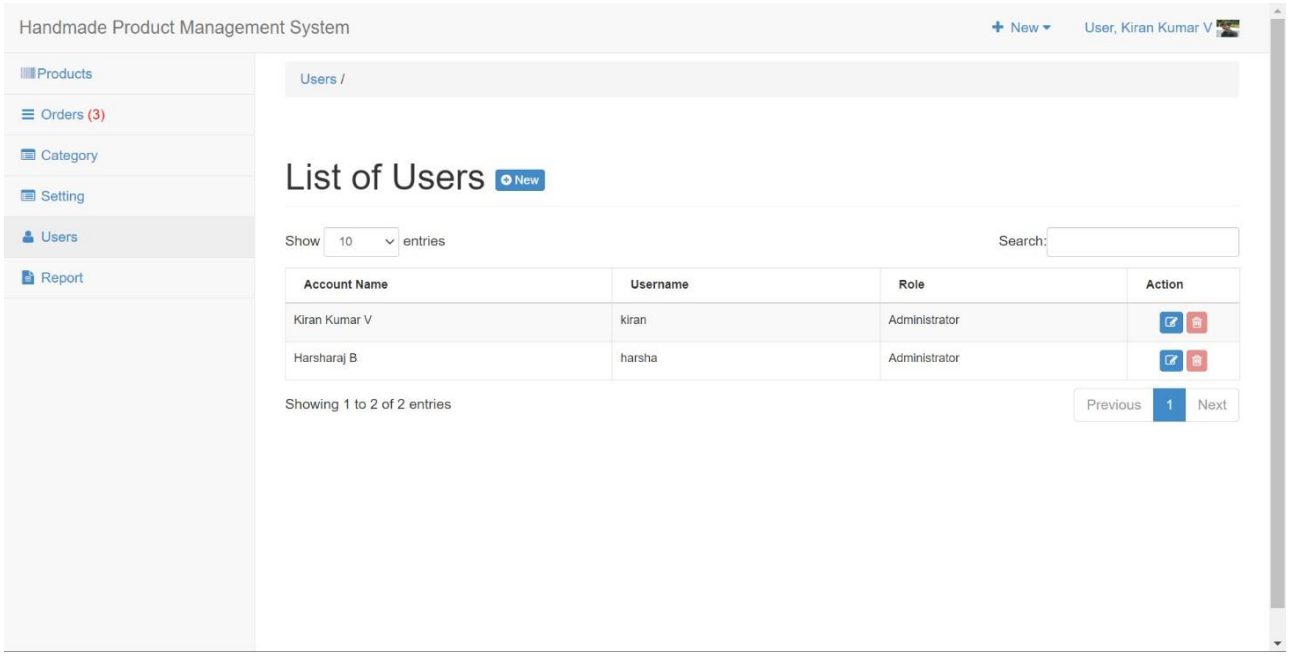

Figure 5.2.9: List of Users Page

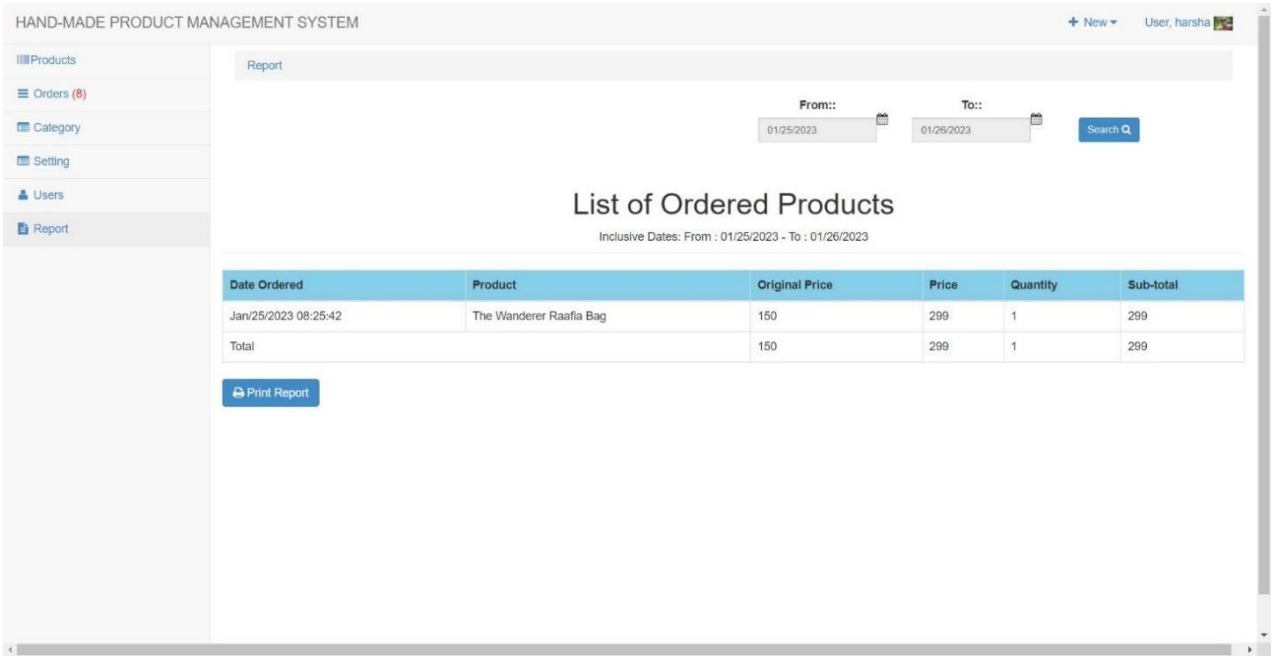

Figure 5.2.10: Report Page

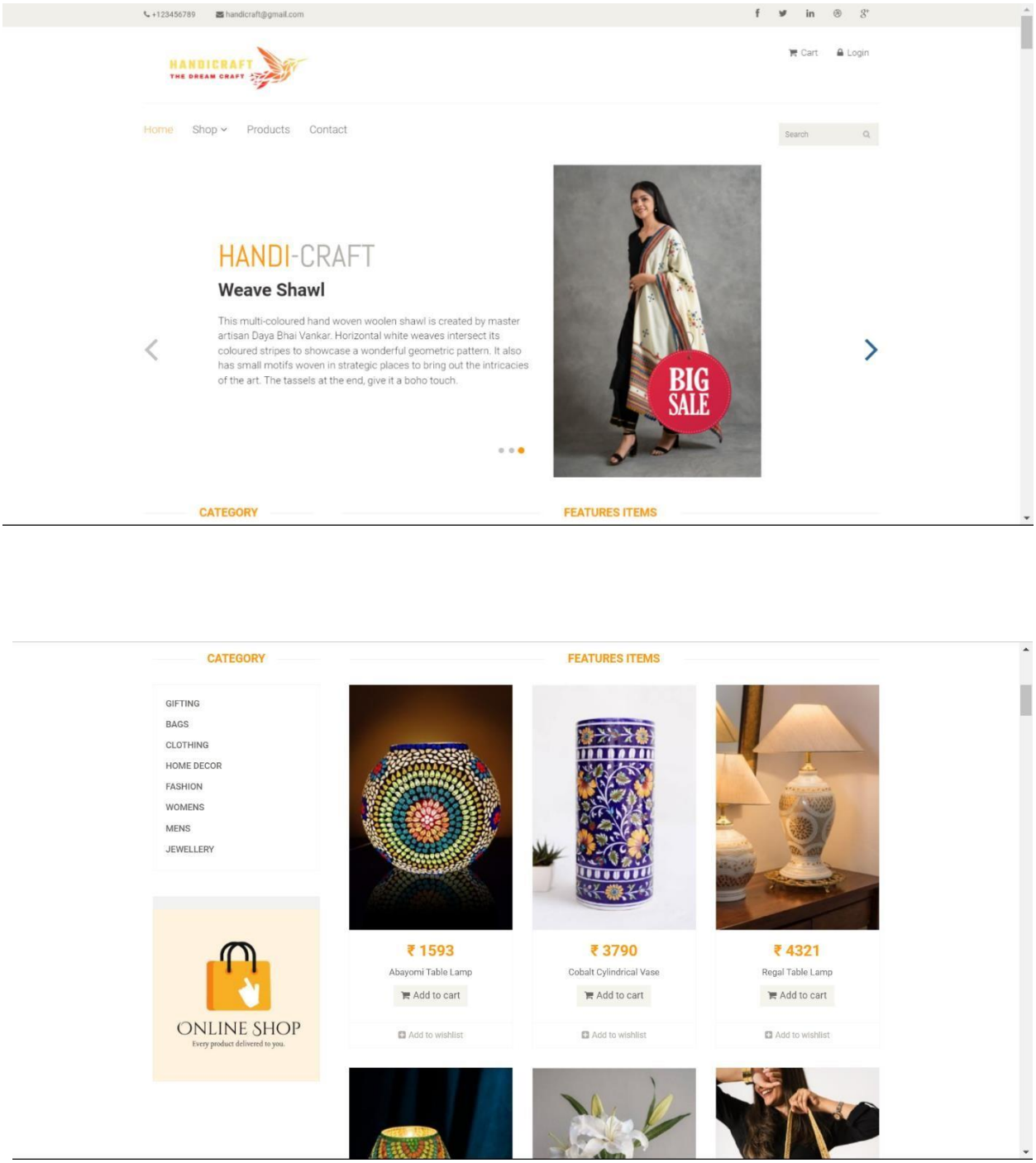

Figure 5.2.11: Website Front View Page

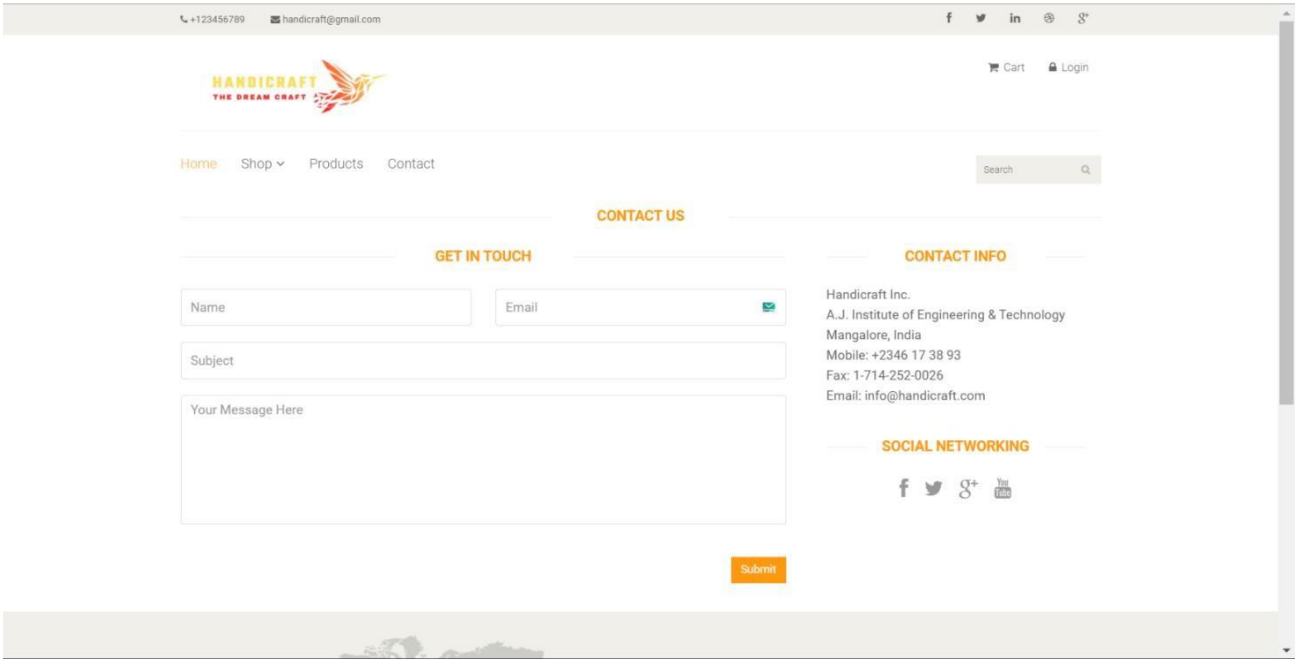

Figure 5.2.12: Contact Us Page

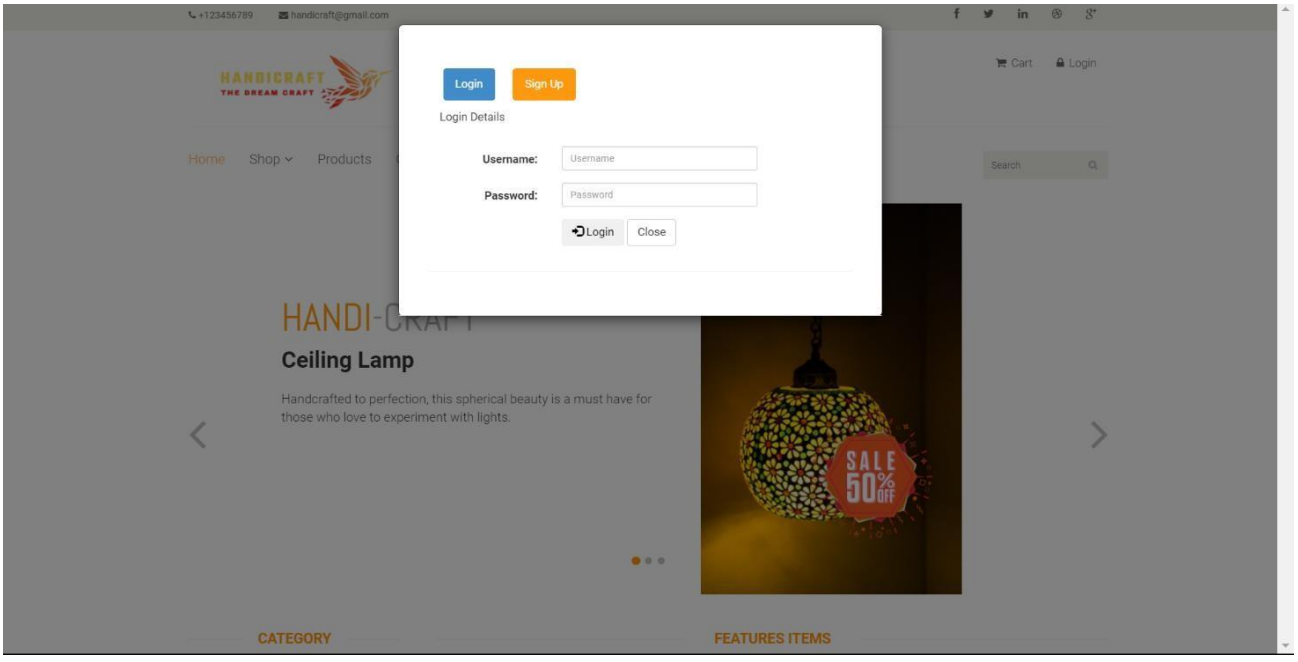

Figure 5.2.13: Customer Login Page

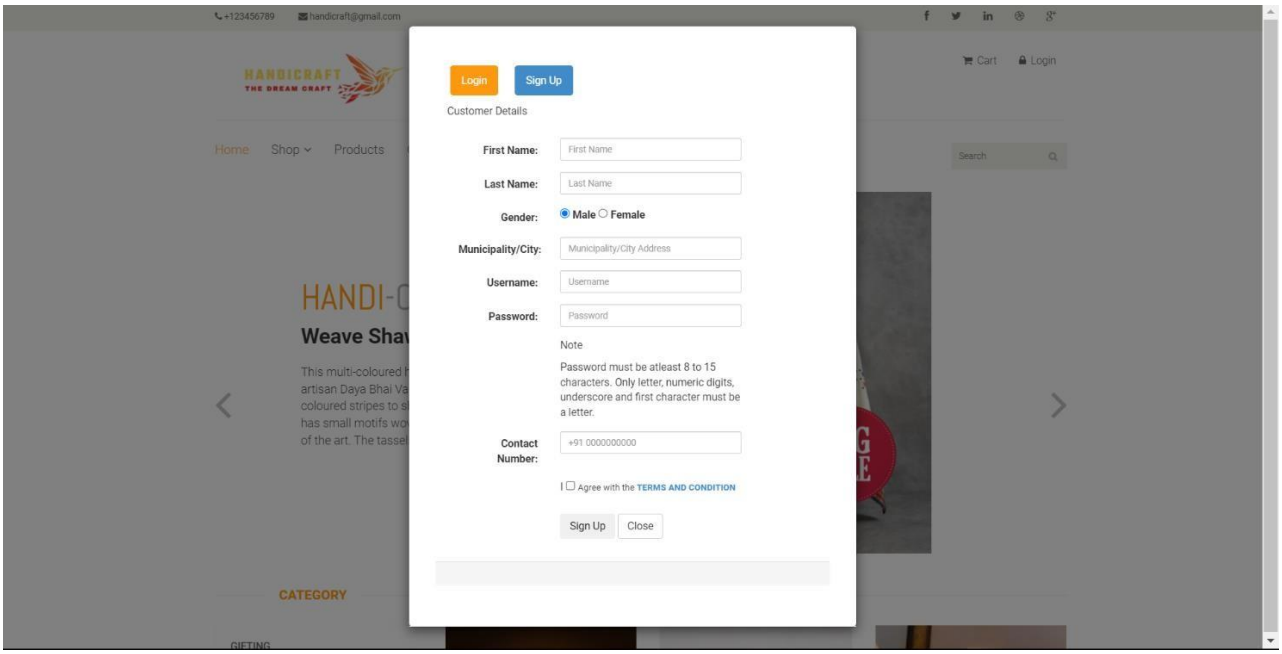

Figure 5.2.14: Customer Sign Up Page

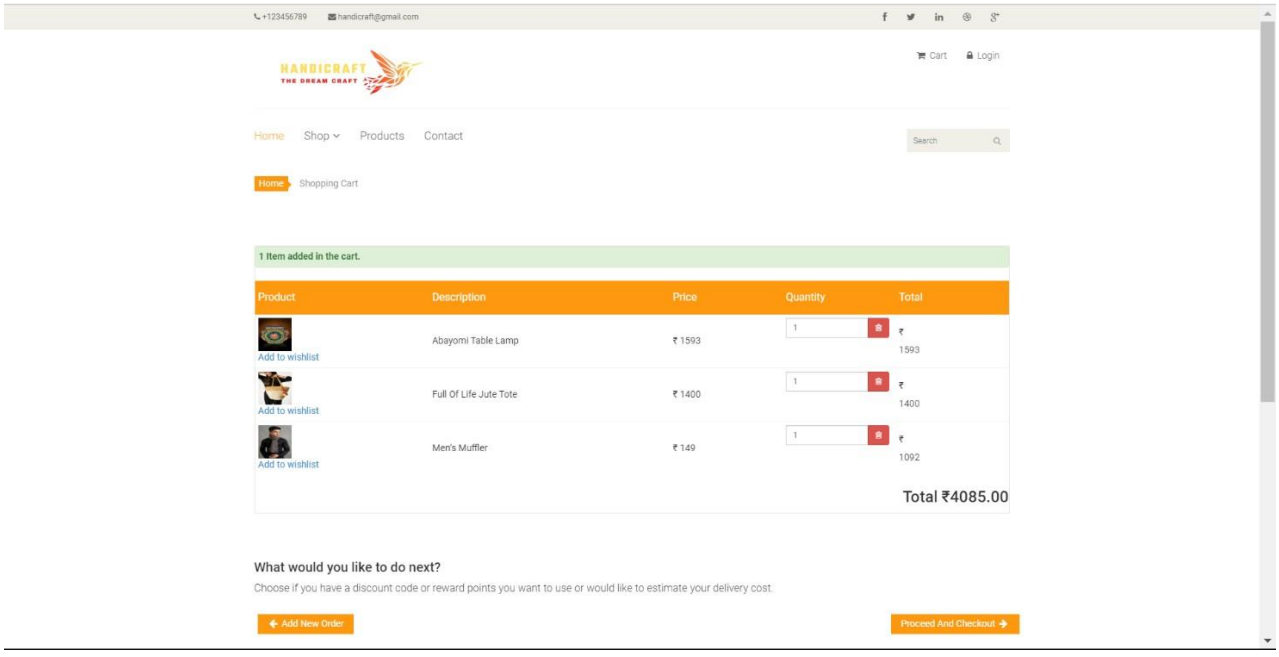

Figure 5.2.15: Cart Page

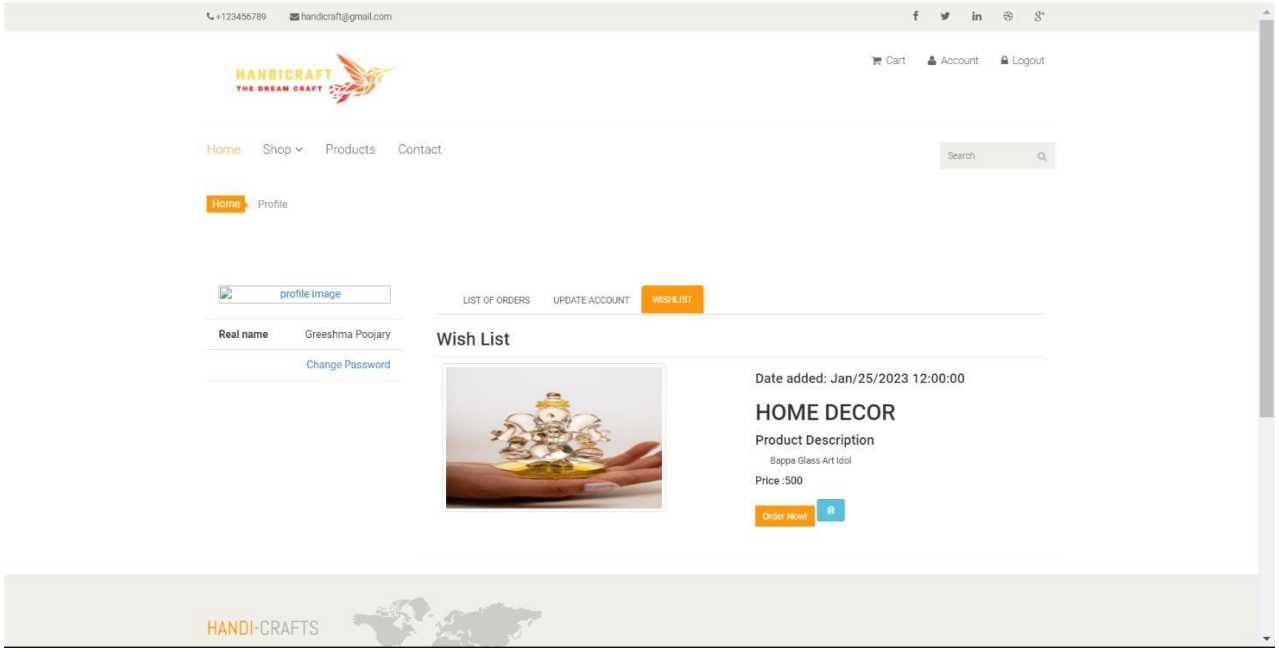

Figure 5.2.16: Wishlist Page

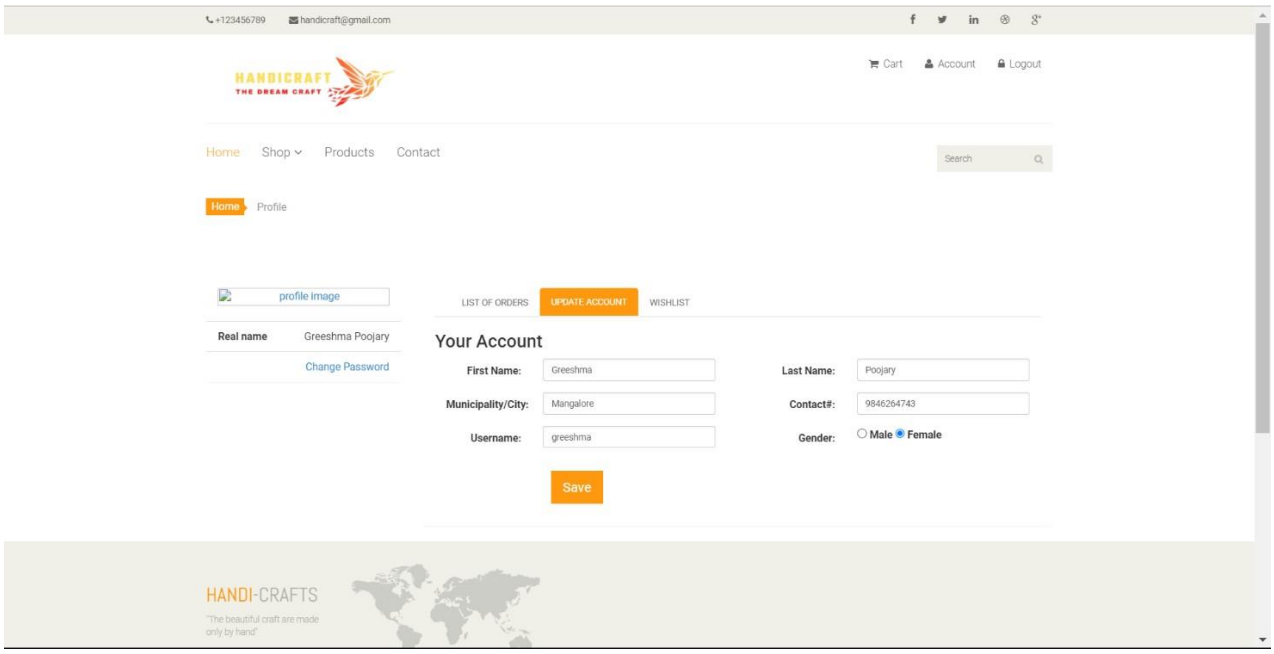

Figure 5.2.17: Update Account Page

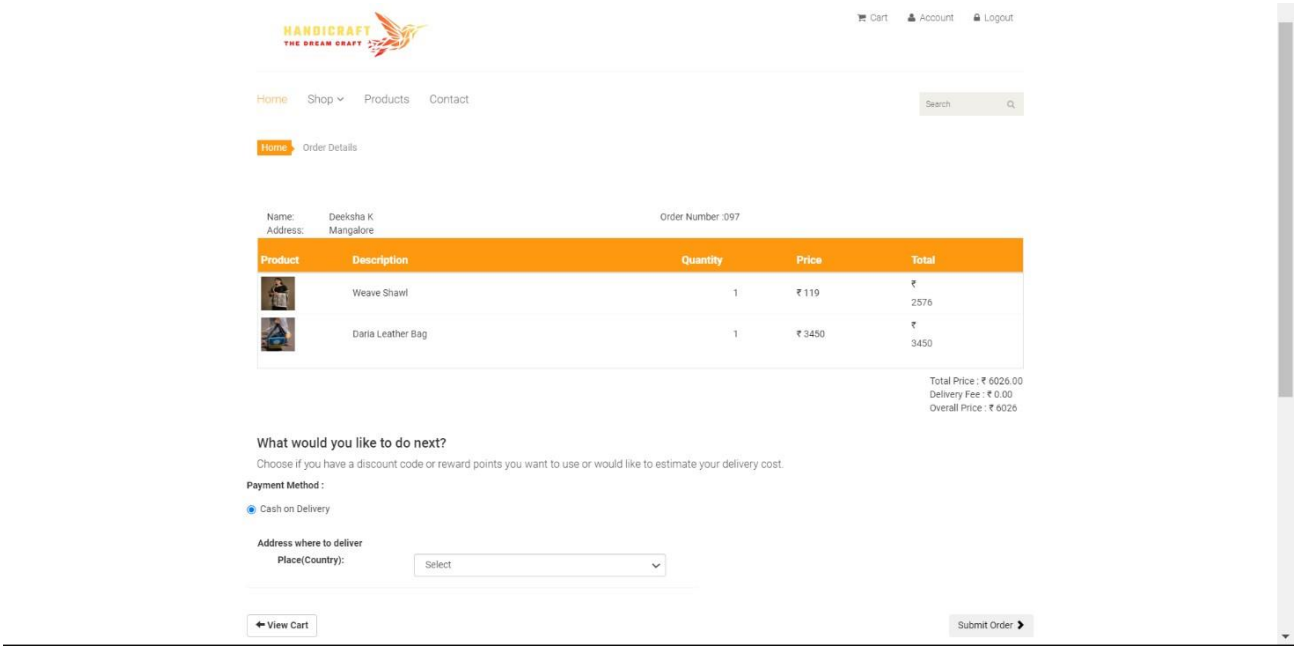

Figure 5.2.18: Order Summary Page

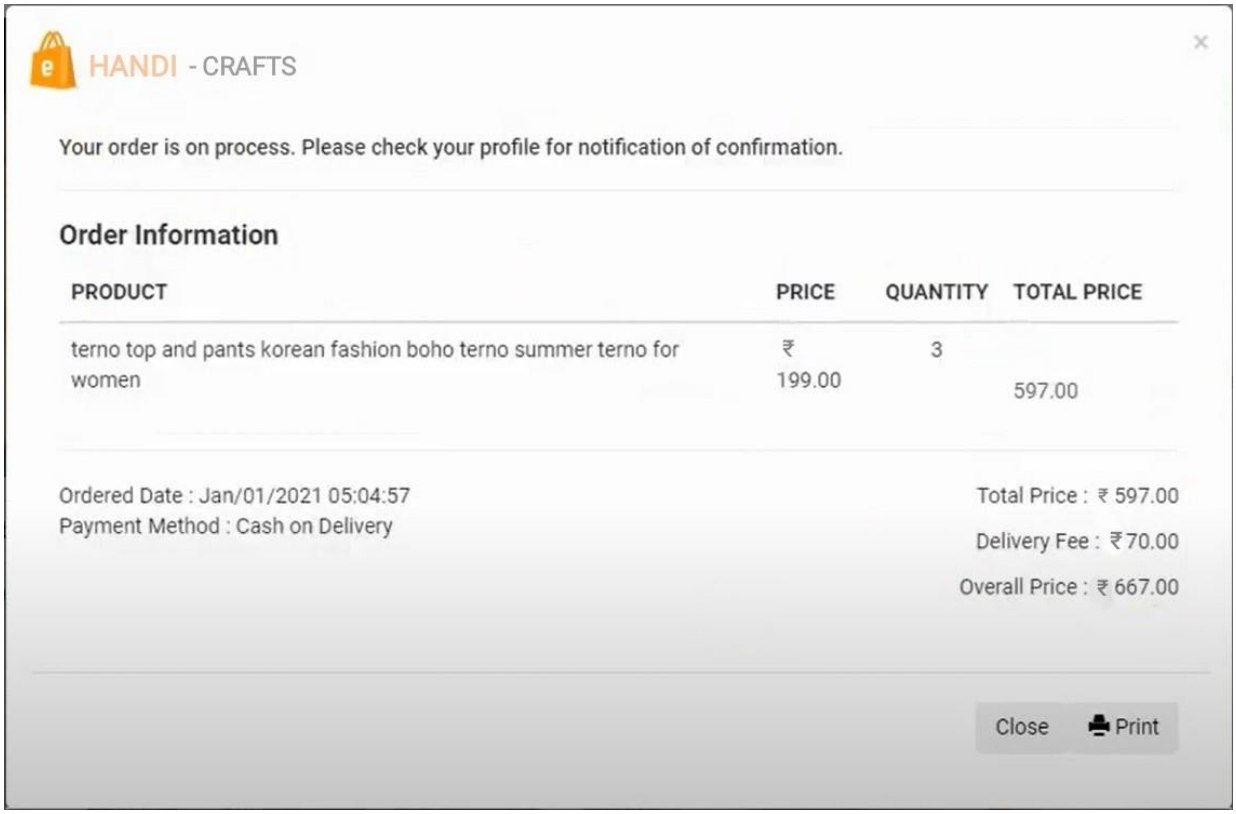

Figure 5.2.19: Order Information Page

CHAPTER 6

CONCLUSION AND FUTURE WORK

6.1 Conclusion

The following conclusions can be deduced from the development of the project:

- Online Handicrafts store will be an ease of access for everyone, i.e., customers as well as the artisans.
- Due to the pandemic, it is highly risky to go out for anything but with this e-commerce website people can admire and buy the fine work of the local craftsmen sitting at home.
- It will help the local craftsmen reach out to a wider audience who admire the real art. It will help them reach out to those people who respect the artwork but live far away and can't travel to shop for them.

6.2 Future Work

Online Shopping is largely about execution. But for anyone involved in the Online Shopping game, it is an environment that is constantly changing and upgrading as technologies improve and companies battle against each other to win a greater share of the pic. The future of Online Shopping is uncertain, but some things remain constant-delivery times will improve, customer service will get increasingly better, and product selection will become ever greater.

Delivery Drones

Perhaps one of the most exciting developments in Online Shopping is to see drone delivery. Drones will in the future allow companies to deliver packages much more efficiently and quickly, with delivery times of just 60 or even 30 minutes from order entirely plausible. Drones will be sent out from distribution centers and travel directly to the delivery addresses provided, at significantly lower cost and logistical hassle than at present. Amazon, among others, are already seriously close to making this a reality across the entirety of their business, and it seems that others will be clambering to follow suit as quickly as possible.

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