

“HAND MADE PRODUCT MANAGEMENT SYSTEM”

A COURSE PROJECT REPORT

18CSC303J - Database Management Systems

Submitted by

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in partial fulfillment for the award of the degree of

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SRM INSTITUTE OF SCIENCE AND TECHNOLOGY

(Under Section 3 of UGC Act, 1956)

BONAFIDE CERTIFICATE

The Mini project report titled “**HAND MADE PRODUCT MANAGEMENT SYSTEM**” is the bonafide work of **DATLA SRINIVASA VARMA [RA2111030010231]** who carried out the course project under my supervision. Certified further, that to the best of my knowledge, the work reported herein does not form any other project report or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.

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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 Scope of Project :

Scope of this project directly revolves around the 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.

CHAPTER - 2

FEATURES AND OBJECTIVES

2.1 Project Features :

Artisan Registration: Allow individual artisans to register on the platform, providing necessary details such as their contact information, location, and samples of their work.

Product Showcase: Provide artisans with the ability to upload images and descriptions of their handmade products, categorizing them by type, material, and style.

Search and Filter: Implement search and filter functionalities to help users easily find specific handicraft products based on criteria such as category, price range, and artisan location.

Secure Transactions: Enable secure online transactions through payment gateways, ensuring the safety of both artisans and buyers during financial transactions.

Rating and Reviews: Allow buyers to leave ratings and reviews for products they've purchased, helping to build trust and credibility for artisans and their products.

Authenticity Verification: Implement a system to verify the authenticity of artisans and their handmade products, possibly through certifications or authentication processes.

Custom Orders: Provide an option for buyers to place custom orders, allowing them to request personalized handicrafts directly from artisans.

Social Sharing: Integrate social sharing features to allow users to share their favorite products with their social networks, helping to increase visibility and reach for artisans.

Notifications: Implement notification features to keep users updated on order status, new product additions, and promotions.

2.2 Objectives :

Empower Artisans: Provide individual artisans with a platform to showcase their skills and products to a wider audience, empowering them to expand their businesses and increase their income.

Eliminate Middlemen: Reduce the reliance on middlemen in the handicrafts industry, allowing artisans to directly connect with buyers and retain a larger portion of their profits.

Ensure Authenticity: Ensure the authenticity and originality of handicraft products by verifying artisans and providing transparency in the product listing process.

Increase Visibility: Increase the visibility of skilled craftsmen and their products by leveraging modern technology and digital marketing strategies to attract a larger audience of consumers.

Enhance User Experience: Provide users with a seamless and enjoyable shopping experience through a user-friendly interface, efficient search functionalities, and secure transactions.

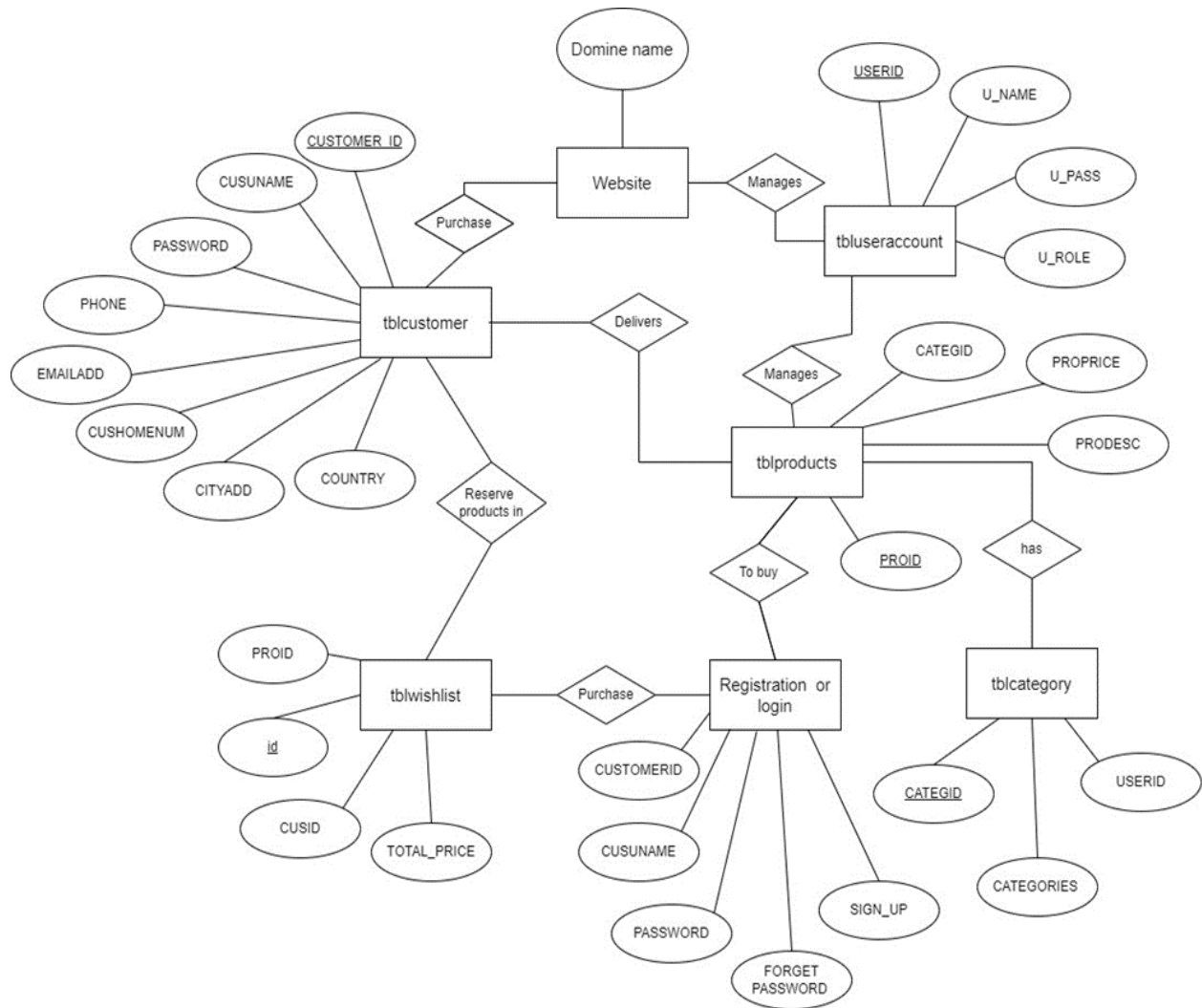
Foster Community: Foster a sense of community among artisans and buyers, creating a supportive environment where artisans can collaborate, share knowledge, and receive feedback from customers.

Promote Cultural Heritage: Promote and preserve traditional craftsmanship and cultural heritage by showcasing a diverse range of handmade products from artisans across different regions and communities.

CHAPTER - 3

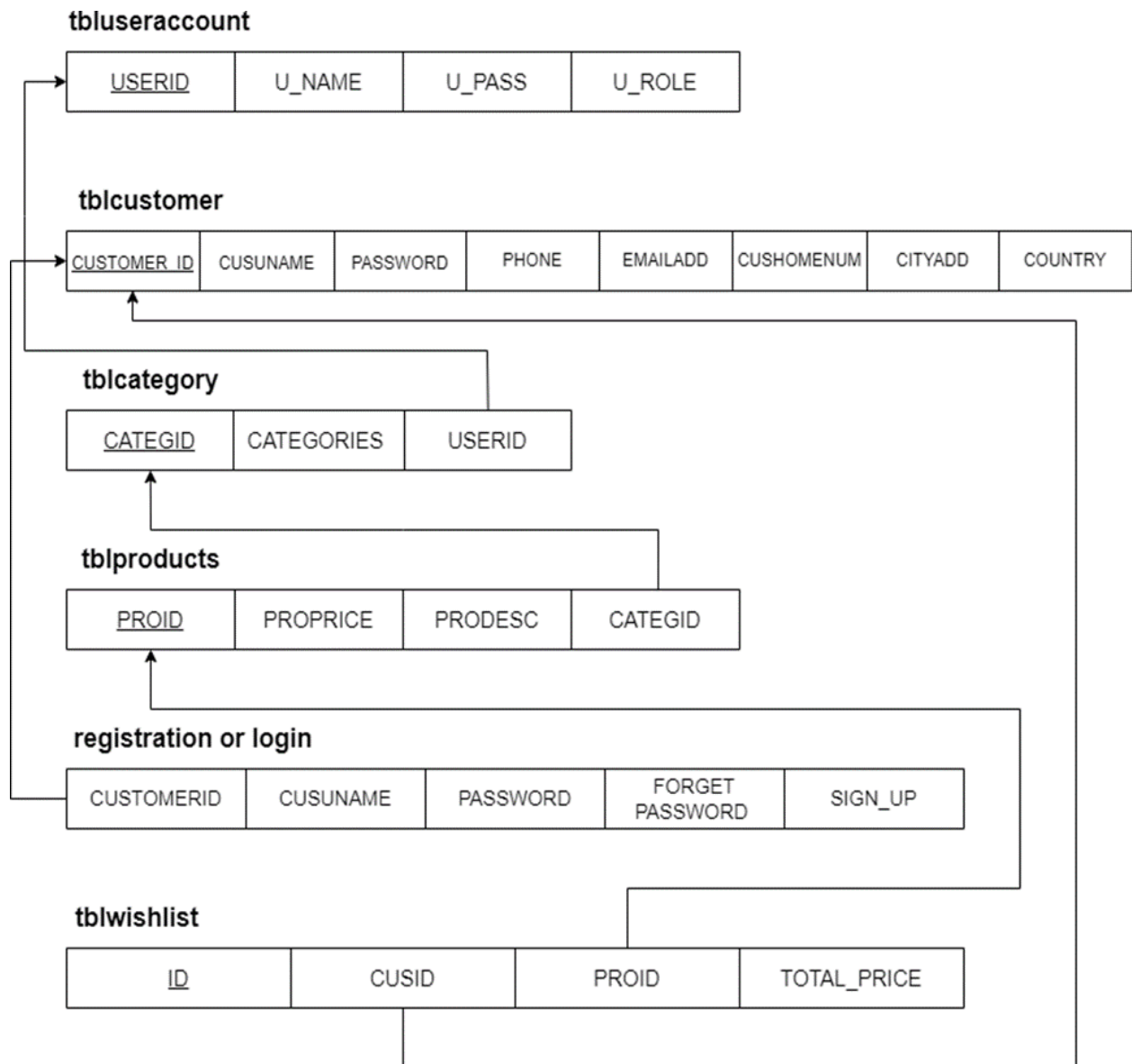
BACK-END DESIGN

3.1.1 Conceptual Database Design (ER-Diagram) :



3.1.2 Logical Database Design (ER-MAPPING) :

- **SCHEMA DIAGRAM :**



- The entities are represented as tables.
- The tables contain the attributes.
- The attributes which are underlined are referred as primary keys.

FRONT-END DESIGN

3.2.1 Front-End Web Development Details :

- **HTML** provides the basic structure of sites, which is enhanced and modified by other technologies like CSS and JavaScript.
- **CSS** is used to control presentation, formatting, and layout.
- **JavaScript** is used to control the behavior of different elements.

HTML :

HTML is at the core of every web page, regardless of the complexity of a site or number of technologies involved. It's an essential skill for any web professional. It's the starting point for anyone learning how to create content for the web. And, luckily for us, it's surprisingly easy to learn.

CSS :

CSS stands for Cascading Style Sheets. This programming language dictates how the HTML elements of a website should actually appear on the frontend of the page.

JavaScript :

JavaScript is a more complicated language than HTML or CSS, and it wasn't released in beta form until 1995. Nowadays, JavaScript is supported by all modern web browsers and is used on almost every site on the web for more powerful and complex functionality.

3.2.2 Connectivity :

PHP is an amazing and popular language!

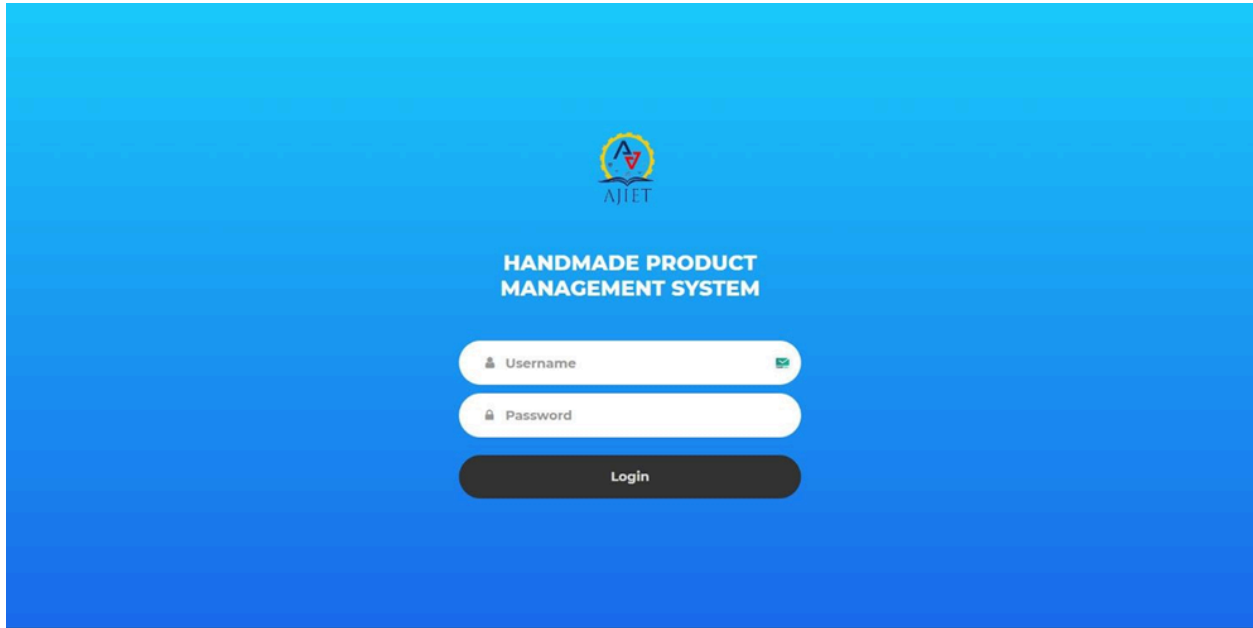
It is powerful enough to be at the core of the biggest blogging system on the web (WordPress)! It is deep enough to run the largest social network (Facebook)! It is also easy enough to be a beginner's first server side language!

- PHP is an acronym for "PHP: Hypertext Preprocessor"
- PHP is a widely-used, open source scripting language
- PHP scripts are executed on the server
- PHP is free to download and use
- PHP files can contain text, HTML, CSS, JavaScript, and PHP code
- PHP code are executed on the server, and the result is returned to the browser as plain HTML
- With PHP you are not limited to output HTML. You can output images, PDF files, and even Flash movies. You can also output any text, such as XHTML and XML.

CHAPTER - 4

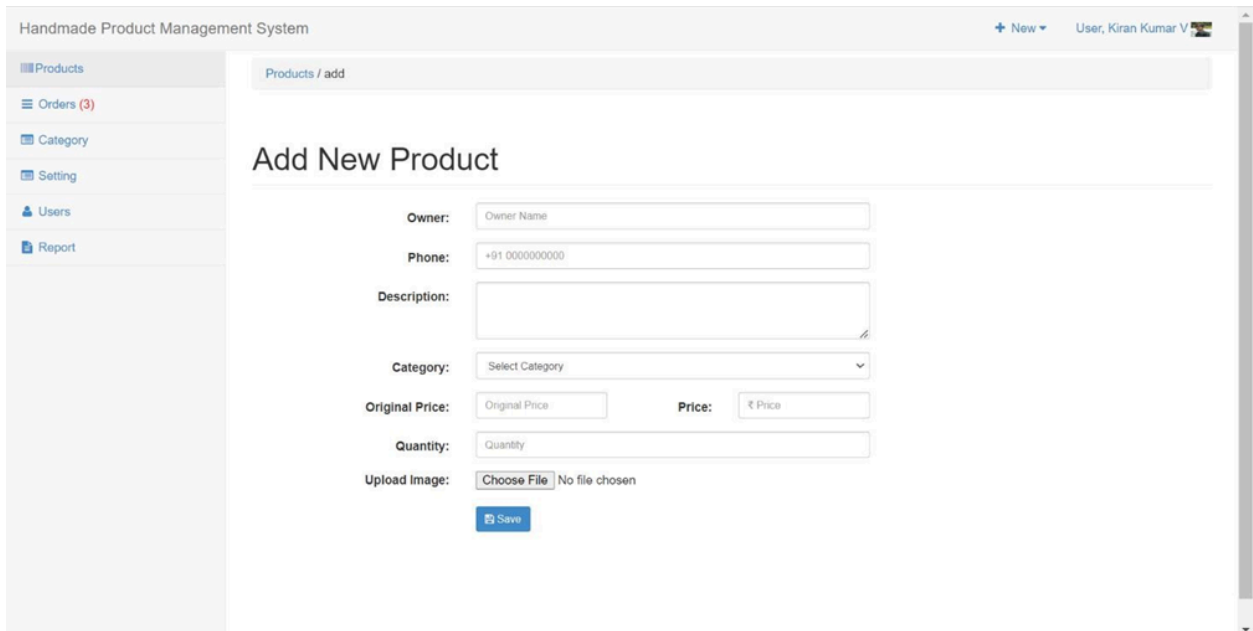
OUTPUT

4.1 Admin Login Page :



The image shows the Admin Login Page for the Handmade Product Management System. The page has a blue gradient background. At the top center is the AJIET logo, which consists of a stylized 'A' and 'J' inside a circle with the text 'AJIET' below it. Below the logo, the text 'HANDMADE PRODUCT MANAGEMENT SYSTEM' is displayed in white, bold, uppercase letters. Underneath this text are two white input fields: 'Username' and 'Password'. Each field has a small icon on the left (a person for Username and a lock for Password) and a green eye icon on the right. Below these fields is a black 'Login' button with white text.

4.2 Add New Products Page :



The image shows the Add New Product page for the Handmade Product Management System. The page has a light gray background. On the left side, there is a sidebar with a list of menu items: 'Products', 'Orders (3)', 'Category', 'Setting', 'Users', and 'Report'. The 'Products' item is highlighted. The main content area has a header 'Handmade Product Management System' on the left and '+ New' and 'User, Kiran Kumar V' on the right. Below the header, there is a breadcrumb 'Products / add'. The main title 'Add New Product' is centered. Below the title, there are several form fields: 'Owner:' with a text input field containing 'Owner Name'; 'Phone:' with a text input field containing '+91 0000000000'; 'Description:' with a large text area; 'Category:' with a dropdown menu showing 'Select Category'; 'Original Price:' with a text input field containing 'Original Price'; 'Price:' with a text input field containing '₹ Price'; 'Quantity:' with a text input field containing 'Quantity'; and 'Upload Image:' with a 'Choose File' button and the text 'No file chosen'. At the bottom of the form is a blue 'Save' button.

4.3 List of Products Page :

Handmade Product Management System

+ New

User, Kran Kumar

Products

Orders (3)

Category

Setting

Users

Report











Products /

List of Products

New

Show 10 entries

Search

#	Image	Product	Description	Price	Discount%	Discounted Price	Quantity
<input type="checkbox"/>		<div>GIFTING</div>	Vikat Conch	₹ 1,818.00	₹ 0	₹ 1,818.00	0
<input type="checkbox"/>		<div>GIFTING</div>	Abeysom Table Lamp	₹ 1,593.00	₹ 0	₹ 1,593.00	2
<input type="checkbox"/>		<div>GIFTING</div>	Cobalt Cylindrical Vase	₹ 3,790.00	₹ 0	₹ 3,790.00	2
<input type="checkbox"/>		<div>GIFTING</div>	Regal Table Lamp	₹ 4,321.00	₹ 0	₹ 4,321.00	3
<input type="checkbox"/>		<div>GIFTING</div>	Gyasa Table Lamp	₹ 1,829.00	₹ 0	₹ 1,829.00	3
<input type="checkbox"/>		<div>GIFTING</div>	Olive Flower Vase	₹ 1,235.00	₹ 0	₹ 1,235.00	3
<input type="checkbox"/>		<div>BAGS</div>	Full Of Life Jute Tote	₹ 1,400.00	₹ 0	₹ 1,400.00	8
<input type="checkbox"/>		<div>BAGS</div>	Rosana Leather Bag	₹ 4,000.00	₹ 0	₹ 4,000.00	8
<input type="checkbox"/>		<div>BAGS</div>	Reza Leather Bag	₹ 2,478.00	₹ 0	₹ 2,478.00	8
<input type="checkbox"/>		<div>BAGS</div>	Bory Leather Bag	₹ 2,500.00	₹ 0	₹ 2,500.00	4

Showing 1 to 10 of 47 entries

Previous

1

2

3

4

5

Next

4.4 Orders Page :

HAND-MADE PRODUCT MANAGEMENT SYSTEM

+ New

User, harsha

Products

Orders (8)

Category

Setting

Users

Report

Orders /

List of Orders

Show 10 entries

Search: 1

#	Order#	Customer	DateOrdered	Price	PaymentMethod	Status	Action
1	101	Harsha Raj	Jan/25/2023 03:09:59	₹ 599.00	Cash on Delivery	Pending	<div>Cancel Confirm</div>
2	100	Harsha Raj	Jan/25/2023 02:48:18	₹ 5,999.00	Cash on Delivery	Pending	<div>Cancel Confirm</div>
3	99	Harsha Raj	Jan/25/2023 02:46:11	₹ 1,299.00	Cash on Delivery	Pending	<div>Cancel Confirm</div>

Showing 1 to 3 of 3 entries (filtered from 6 total entries)

Previous

1

Next

4.5 Add New Category Page :

Handmade Product Management System

+ New

User, Kiran Kumar V

Products

Orders (3)

Category

Setting

Users

Report

Category / add

Add New Category

Category:

Save

4.6 Category Page :

Handmade Product Management System

+ New

User, Kiran Kumar V

Products

Orders (3)

Category

Setting

Users

Report

Category /

List of Categories

New

Show entries

Search:

Category	Action
GIFTING	Edit Delete
BAGS	Edit Delete
CLOTHING	Edit Delete
HOME DECOR	Edit Delete
FASHION	Edit Delete
WOMENS	Edit Delete
MENS	Edit Delete
JEWELLERY	Edit Delete

Showing 1 to 8 of 8 entries

Previous

1

Next

4.7 Settings Page :

Handmade Product Management System

+ New

User, Kiran Kumar V

Products

Orders (3)

Category

Setting

Users

Report

Settings /

Settings

Product

List of Products

Show 10 entries

Search

Product	Category	Price	Action
Vikar Conch	GIFTING	₹ 1,818.00	Available Set Discount
Abayom Table Lamp	GIFTING	₹ 1,590.00	Available Set Discount
Cobalt Cylindrical Vase	GIFTING	₹ 3,790.00	Available Set Discount
Regal Table Lamp	GIFTING	₹ 4,321.00	Available Set Discount
Gyasi Table Lamp	GIFTING	₹ 1,829.00	Available Set Discount
Olive Flower Vase	GIFTING	₹ 1,235.00	Available Set Discount
Full Of Life Jute Tote	BAGS	₹ 1,400.00	Available Set Discount
Rosana Leather Bag	BAGS	₹ 4,000.00	Available Set Discount
Reza Leather Bag	BAGS	₹ 2,478.00	Available Set Discount
Boxy Leather Bag	BAGS	₹ 2,500.00	Available Set Discount

Showing 1 to 10 of 47 entries

Previous

1

2

3

4

5

Next

4.8 Users Page :

Handmade Product Management System

+ New

User, Kiran Kumar V

Products

Orders (3)

Category

Setting

Users

Report

Users / add

Add New User

Name:

Account Name

Username:

Email Address

Password:

Account Password

Role:

Administrator

Save

4.9 List of Users Page :

Handmade Product Management System

+ New User, Kiran Kumar V

Products

Orders (3)

Category

Setting

Users

Report

Users /

List of Users [New](#)

Show 10 entries Search:

Account Name	Username	Role	Action
Kiran Kumar V	kiran	Administrator	Edit Delete
Harsharaj B	harsha	Administrator	Edit Delete

Showing 1 to 2 of 2 entries

Previous 1 Next

4.10 Report Page :

HAND-MADE PRODUCT MANAGEMENT SYSTEM

+ New User, harsha

Products

Orders (8)

Category

Setting

Users

Report

Report

From: 01/25/2023 To: 01/26/2023 Search

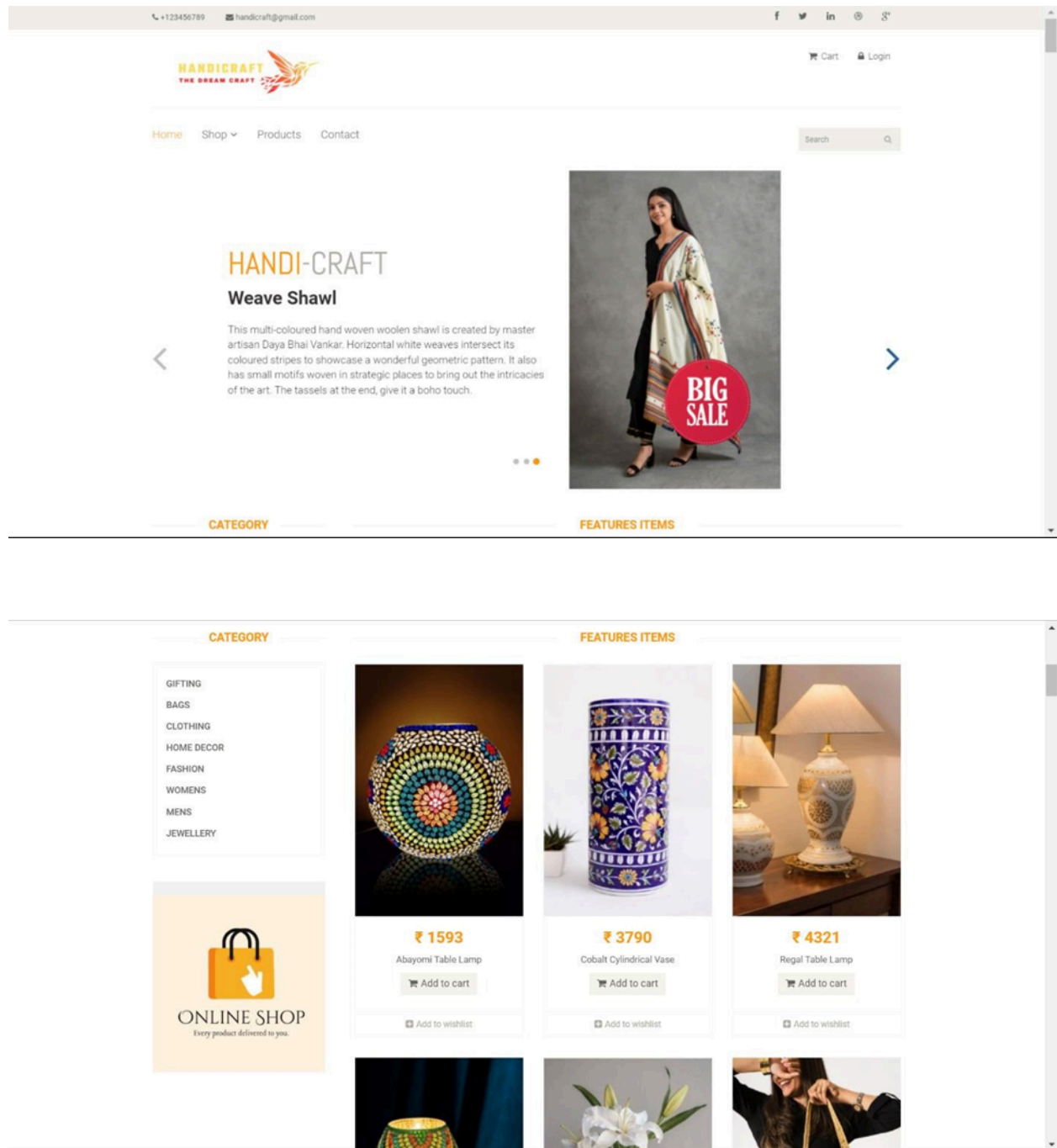
List of Ordered Products

Inclusive Dates: From : 01/25/2023 - To : 01/26/2023

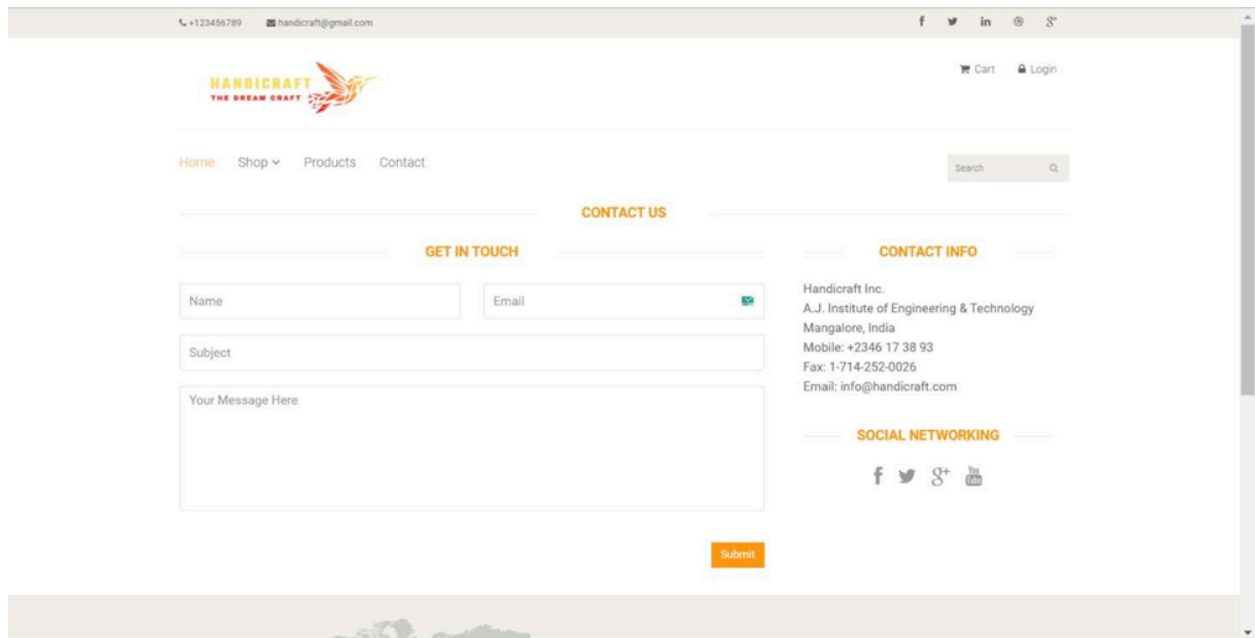
Date Ordered	Product	Original Price	Price	Quantity	Sub-total
Jan/25/2023 08:25:42	The Wanderer Raafia Bag	150	299	1	299
Total		150	299	1	299

Print Report

4.11 Website Front View Page :



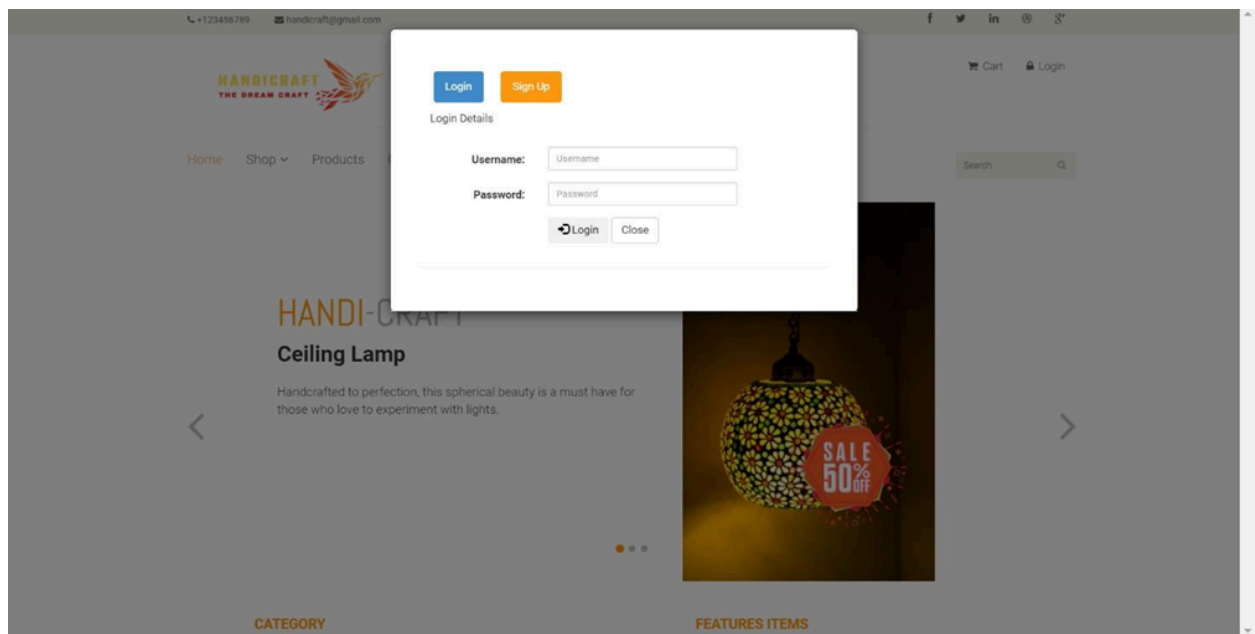
4.12 Contact Us Page :



The screenshot shows the 'CONTACT US' page of the Handicraft website. The page has a header with the Handicraft logo, contact number (+123456789), email (handicraft@gmail.com), and social media icons. A navigation bar includes Home, Shop, Products, and Contact. A search bar is located on the right. The main content area is titled 'CONTACT US' and is divided into three sections: 'GET IN TOUCH', 'CONTACT INFO', and 'SOCIAL NETWORKING'. The 'GET IN TOUCH' section contains a form with fields for Name, Email, Subject, and a large text area for 'Your Message Here'. The 'CONTACT INFO' section provides contact details for Handicraft Inc., including address, phone numbers, and email. The 'SOCIAL NETWORKING' section features icons for Facebook, Twitter, Google+, and YouTube. A 'Submit' button is located at the bottom right of the form.

Handicraft Inc.
A.J. Institute of Engineering & Technology
Mangalore, India
Mobile: +2346 17 38 93
Fax: 1-714-252-0026
Email: info@handicraft.com

4.13 Customer Login Page :



The screenshot shows the 'Customer Login Page' of the Handicraft website. The page features a header with the Handicraft logo, contact number (+123456789), email (handicraft@gmail.com), and social media icons. A navigation bar includes Home, Shop, and Products. A search bar is located on the right. The main content area displays a 'Ceiling Lamp' product with a 'SALE 50% OFF' banner. A modal window is overlaid on the page, titled 'Login Details', which contains a 'Login' button, a 'Sign Up' button, and a form with fields for 'Username' and 'Password'. The modal also includes 'Login' and 'Close' buttons at the bottom.

4.14 Customer Sign Up Page :

Customer Details

First Name:

Last Name:

Gender: ☒ Male ☐ Female

Municipality/City:

Username:

Password:




Note
Password must be atleast 8 to 15 characters. Only letter, numeric digits, underscore and first character must be a letter.

Contact Number:

☐ I Agree with the [TERMS AND CONDITION](#)

4.15 Cart Page :

1 Item added in the cart.

Product	Description	Price	Quantity	Total
 Add to wishlist	Abayomi Table Lamp	₹ 1593	<input type="text" value="1"/>	₹ 1593
 Add to wishlist	Full Of Life Jute Tote	₹ 1400	<input type="text" value="1"/>	₹ 1400
 Add to wishlist	Men's Muffler	₹ 149	<input type="text" value="1"/>	₹ 1092
				Total ₹4085.00

What would you like to do next?
Choose if you have a discount code or reward points you want to use or would like to estimate your delivery cost.

4.16 Wishlist Page :

+123456789handicraft@gmail.com

f t in @ g

HANDICRAFT
THE DREAM CRAFT

Cart Account Logout

HomeShopProductsContact

Search

HomeProfile


profile image

LIST OF ORDERSUPDATE ACCOUNTWISHLIST

Real nameGreeshma Poojary

Change Password

Wish List



Date added: Jan/25/2023 12:00:00
HOME DECOR
Product Description
Sappa Glass Art Idol
Price :500
[Order Now!](#)

HANDI-CRAFTS

The beautiful craft are made only by hand

4.17 Update Account Page :

+123456789handicraft@gmail.com

f t in @ g

HANDICRAFT
THE DREAM CRAFT

Cart Account Logout

HomeShopProductsContact

Search

HomeProfile

profile image

LIST OF ORDERSUPDATE ACCOUNTWISHLIST

Real nameGreeshma Poojary

Change Password

Your Account

First Name:Greeshma

Municipality/City:Mangalore

Username:greeshma

Save

Last Name:Poojary


Contact#:9846264743

Gender:☐ Male ☒ Female

HANDI-CRAFTS

The beautiful craft are made only by hand

4.18 Order Summary Page :



[Cart](#) [Account](#) [Logout](#)



[Home](#) [Shop](#) [Products](#) [Contact](#)

[Home](#) Order Details

Name: Deeksha K

Address: Mangalore

Order Number: 097

Product	Description	Quantity	Price	Total
	Weave Shawl	1	₹ 119	₹ 2576
	Daria Leather Bag	1	₹ 3450	₹ 3450

Total Price : ₹ 6026.00

Delivery Fee : ₹ 0.00

Overall Price : ₹ 6026

What would you like to do next?

Choose if you have a discount code or reward points you want to use or would like to estimate your delivery cost.

Payment Method :

☒ Cash on Delivery


Address where to deliver

Place(Country):

[View Cart](#)

[Submit Order](#)

4.19 Order Information Page :



HANDI - CRAFTS

X

Your order is on process. Please check your profile for notification of confirmation.

Order Information

PRODUCT	PRICE	QUANTITY	TOTAL PRICE
terno top and pants korean fashion boho terno summer terno for women	₹ 199.00	3	597.00

Ordered Date : Jan/01/2021 05:04:57

Payment Method : Cash on Delivery

Total Price : ₹ 597.00

Delivery Fee : ₹ 70.00

Overall Price : ₹ 667.00

[Close](#)

[Print](#)

CHAPTER - 5

MODULES

5.1 ADMINISTRATOR : The “admin page” serves as the control center for managing the online handicrafts store, overseeing operations, and maintaining the platform's functionality.

5.2 USER : The “user page” serves as the interface for buyers and visitors to explore the available products, make purchases, and manage their account.

5.3 CUSTOMER : For the “Customer Page” of your online handicrafts store, you'll want to ensure a seamless and engaging experience for visitors who are potential buyers.

5.4 PRODUCT : The “product page” is a crucial component of your online handicrafts store as it directly influences the purchasing decisions of your customers.

5.5 CATEGORY : The category page is where users can browse through different categories of handicraft products available on your online store.

5.6 WISHLIST : The wishlist page is where users can view and manage the products they have saved for future reference or potential purchase.

5.7 REGISTRATION/LOGIN :

The registration/login page is a critical component of your online handicrafts store as it facilitates user account management and access to personalized features.

CHAPTER - 6

APPLICATIONS

6.1 Direct Artisan Engagement :

The project connects artisans directly with buyers, cutting out intermediaries and enabling artisans to showcase their creations independently.

6.2 Enhanced Profit Margins :

By eliminating middlemen, artisans can retain a larger portion of their profits, increasing their economic independence and sustainability.

6.3 Diverse Product Range :

Consumers gain access to a diverse range of unique handmade products from artisans across different regions and cultures.

6.4 Cultural Preservation :

The project celebrates and preserves traditional craftsmanship and cultural heritage by highlighting the stories and techniques behind each handmade item.

6.5 Economic Empowerment :

By providing a platform for artisans to sell their products, the project stimulates economic growth and fosters entrepreneurship within the handicrafts industry.

CHAPTER - 7

CONCLUSION

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

- Online Handicrafts stores 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.

While developing this project we have learnt a lot about HTML / CSS / JS / PHP / MySQL and working with database management, we have also learnt how to make the application user- friendly (easy to use and handle) by hiding the complicated parts of it from the users.

During the development process, we studied carefully and understood the criteria for making a software more demanding, we also realized the importance of maintaining a minimal margin for errors.

CHAPTER - 8

BIBLIOGRAPHY

It has been a matter of immense pleasure, honor and challenge to have this opportunity to take up this project and complete it successfully.

We have obtained information from various resources to design and implement our project.

We have acquired most of the knowledge from the Internet. The following are some of the resources:

- www.w3schools.com
- www.tutorialspoint.com
- Google and Youtube Tutorials.