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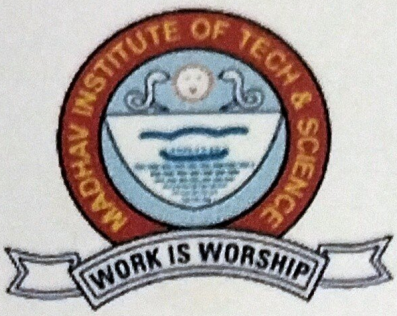

Project Report

on

Online Furniture Shop

A project report submitted in partial fulfilment of the requirement for the degree of

MASTER IN COMPUTER APPLICATION

in

COMPUTER SCIENCE AND ENGINEERING

Submitted By:

Alok Sharma
(0901CA221009)

Industry Mentor:

Mr. Nagendra Singh (Shri Nagaji Furniture House)

Faculty Mentor:

Dr. R. S. Jadon (Professor)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE
Gwalior – 474005 (MP) Estd.1957

January – June 2024

Shri Nagaji Furniture House

Reference No: SNFH/NS/F002

Date-22/04/2024

PROJECT COMPLETION CERTIFICATE

This is to Certify that **Mr. Alok Sharma** Student of **MCA** at MITS, Gwalior has successfully completed the **"Online Furniture Shop"** project as a Software developer in the new technology Department from **27 JAN to 25 APRIL 2024.**

The Online Furniture Shop project involved the design, development and implementation of a comprehensive e-commerce platform of purchasing furniture items online. The project required expertise in web development, database management , user interface design, and secure payment processing.

Implemented a user-friendly interface for browsing and searching furniture products Developed an efficient database system to manage product inventory, orders, and customer information .Ensured responsive design to optimize the platform for various devices and screen sizes.

This certificate is awarded in recognition of **Mr. Alok Sharma** dedication, hard work, and expertise in software development. Wishing him the best of luck in the future Endeavour's.

SHRI NAGAJI FURNITURE HOUSE

Authorised Signatory

Mr. Nagendra Singh

(Shri Nagaji Furniture House)

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CERTIFICATE

This is certified that **Alok Sharma (0901CA221009)** has submitted the project report titled **Online Furniture Shop** under the mentorship of Mr. Nagendra Singh (Shri Nagaji Furniture House) in partial fulfilment of the requirement for the award of degree of **Master in Computer Application** of Computer Science and Engineering from **Madhav Institute of Technology and Science, Gwalior**.

25/4/24

Dr. R. S. Jadon
(Professor)
Computer Science and Engineering

25/4/24

Dr. Manish Dixit
(Professor and Head)
Computer Science and Engineering

Dr. Manish Dixit
Professor & HOD
Department of CSE
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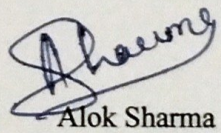
DECLARATION

I hereby declare that the work being presented in this project report, for the partial fulfilment of requirement for the award of the degree of Master in Computer Application in Computer Science and Engineering at **Madhav Institute of Technology & Science, Gwalior** is an authenticated and original record of my work under the mentorship of Mr. Nagendra Singh.

I declare that I have not submitted the matter embodied in this report for the award of any degree or diploma anywhere else.



Alok Sharma
0901CA221009
2022-2024
Master in Computer Application
Computer Science and Engineering

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ACKNOWLEDGEMENT

The full semester project has proved to be pivotal to my career. I am thankful to my institute, **Madhav Institute of Technology and Science** to allow me to continue my disciplinary project. I extend my gratitude to the Director of the institute, **Dr. R. K. Pandit** and Dean Academics, **Dr. Manjaree Pandit** for this.

I would sincerely like to thank my department, **Department of Computer Science and Engineering**, for allowing me to explore this project. I humbly thank **Dr. Manish Dixit**, Professor and Head, Department of Computer Science and Engineering, for his continued support during the course of this engagement, which eased the process and formalities involved.

I would like to extend my heartfelt appreciation to Mr. Nagendra Singh (Shri Nagaji Furniture House) for his exceptional mentorship, guidance, and assistance throughout the project. His valuable input and feedback during the course of the project have helped me enhance my knowledge and skills. His constant encouragement and support have been instrumental in the successful completion of this project.

I am sincerely thankful to my faculty coordinator. I am grateful to the guidance of **Dr. R. S. Jadon**, (Professor), Computer Science and Engineering, for his continued support and guidance throughout the project. I am also very thankful to the faculty and staff of the department.

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ABSTRACT

The growth of e-commerce has changed how consumers purchase for furniture, with online furniture stores growing in popularity because of their accessibility and large product selection. A number of tasks, including order processing, marketing, customer support, and inventory management, go into running an online furniture store. The primary elements and features of an online furniture store management system are described in this abstract with the goal of improving customer satisfaction efficiency.

Customers will be able to browse through a wide variety of furniture products, examine comprehensive product descriptions, photos, and pricing information, and safely make purchases online thanks to the user-friendly website interface of the proposed system. Additionally, a module for inventory management will be included in the system to update product availability, manage product categories, and track stock levels.

Customers will be able to place purchases easily and securely with order tracking and secure payment processing options available. To guarantee that customers receive their purchases on time, the system will automate order fulfilment procedures such as order verification, packaging, and shipping.

The online furniture store will be able to trace past purchases, manage client profiles, and offer tailored suggestions based on browsing habits and preferences thanks to customer relationship management (CRM) features. To provide better customer service, the system will also include tools for handling complaints, feedback, and questions from clients

सार

ई-कॉमर्स की वृद्धि ने उपभोक्ताओं के फर्नीचर खरीदने के तरीके को बदल दिया है, ऑनलाइन फर्नीचर स्टोर अपनी पहुंच और बड़े उत्पाद चयन के कारण लोकप्रियता में बढ़ रहे हैं। ऑनलाइन फ़र्निचर स्टोर चलाने में ऑर्डर प्रोसेसिंग, मार्केटिंग, ग्राहक सहायता और इन्वेंट्री प्रबंधन सहित कई कार्य शामिल होते हैं। ग्राहक संतुष्टि और परिचालन दक्षता में सुधार के लक्ष्य के साथ इस सार में ऑनलाइन फर्नीचर स्टोर प्रबंधन प्रणाली के प्राथमिक तत्वों और विशेषताओं का वर्णन किया गया है।

ग्राहक विभिन्न प्रकार के फर्नीचर उत्पादों को ब्राउज़ करने, व्यापक उत्पाद विवरण, फोटो और मूल्य निर्धारण की जानकारी की जांच करने में सक्षम होंगे, और प्रस्तावित प्रणाली के उपयोगकर्ता के अनुकूल वेबसाइट इंटरफ़ेस के कारण सुरक्षित रूप से ऑनलाइन खरीदारी कर सकेंगे। इसके अतिरिक्त, उत्पाद उपलब्धता को अपडेट करने, उत्पाद श्रेणियों को प्रबंधित करने और स्टॉक स्तरों को ट्रैक करने के लिए इन्वेंट्री प्रबंधन के लिए एक मॉड्यूल सिस्टम में शामिल किया जाएगा।

ग्राहक ऑर्डर ट्रैकिंग और सुरक्षित भुगतान प्रसंस्करण विकल्पों के साथ आसानी से और सुरक्षित रूप से खरीदारी करने में सक्षम होंगे। यह गारंटी देने के लिए कि ग्राहकों को उनकी खरीदारी समय पर मिले, सिस्टम ऑर्डर पूर्ति प्रक्रियाओं जैसे ऑर्डर सत्यापन, पैकेजिंग और शिपिंग को स्वचालित कर देगा।

ग्राहक संबंध प्रबंधन (सीआरएम) सुविधाओं की बदौलत ऑनलाइन फ़र्निचर स्टोर पिछली खरीदारी का पता लगाने, ग्राहक प्रोफ़ाइल प्रबंधित करने और ब्राउज़िंग आदतों और प्राथमिकताओं के आधार पर अनुरूप सुझाव देने में सक्षम होगा। बेहतर ग्राहक सेवा प्रदान करने के लिए, सिस्टम में ग्राहकों की शिकायतों, फीडबैक और प्रश्नों से निपटने के लिए उपकरण भी शामिल होंगे।

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CHAPTER 1

INTRODUCTION

INTRODUCTION

A rising number of people are turning to internet platforms to meet their furnishing demands, which has transformed the way consumers purchase furniture. Online furniture retailers face both opportunities and challenges as a result of this shift in consumer behaviour. Although maintaining an online furniture store involves complexity like inventory management, order processing, and customer support in a highly competitive industry, the online sector gives a huge reach and accessibility. A complete online furniture business management system is desperately needed in order to tackle these issues and take advantage of the opportunities that the expanding e-commerce sector offers. The objective of this system is to improve the overall shopping experience for customers by streamlining operations and optimizing processes. This article aims to provide online furniture sellers with insights into how they might use technology to succeed in the ever-changing world of online retail. It will cover the functions, features, advantages, and implementation considerations of such a system.

1.1 Problem Identification: -

Overseeing an internet-based furniture store has several obstacles that must be overcome to guarantee the efficient operation and prosperity of the enterprise. The following are some major issues that internet furniture retailers face:

1.1.1 Inventory management: When working with a wide range of furniture pieces, it can be difficult to keep correct inventory records and manage stock levels. Inefficient inventory management can result in higher storage expenses, missed sales opportunities, and overstocking understocking. **1.1.2 Order Processing:** For customers to be satisfied, orders must be processed quickly and delivered on time. On the other hand, manual order processing procedures can be laborious and prone to mistakes, which can cause delays, inconsistent orders, and unfavourable client experiences.

1.1.3 Customer service: Maintaining and growing brand loyalty depend on offering top-notch customer service. Without the right procedures in place, however, answering complaints, processing returns and exchanges, and managing client inquiries can become too much to handle, which can result in turnover and unhappy customers.

1.1.4 Competition: There are many retailers fighting for the attention of clients in the very competitive online furniture business. It takes creative marketing techniques, individualized customer care, and unique product offerings to stand out from the competition.

1.2 Parent Organization: -

Depending on the structure and setting of the business, a number of corporations may be the parent organization of an online furniture shop management system. A few possible parent companies for this kind of arrangement are as follows:

1.2.1 E-commerce Platform Provider: An e-commerce platform provider may occasionally design and run the management system for an online furniture store. These businesses may provide a suite of products and services designed especially for the furniture sector, but their primary focus is on software solutions for internet merchants.

1.2.2 Furniture Retail Company: To increase efficiency in managing its online sales channels and streamline operations, a furniture retail company could create its own online store management system. With this strategy, the business may easily connect the system with current business processes and tailor it to meet its unique requirements.

1.2.3 Technology Company: The online furniture shop management system could be created as a stand-alone good or service by a technology company that specializes in software development and IT solutions. This kind of company might sell the system to furniture stores as a commercial item or offer bespoke development services to make the system fit the needs of certain clients.

1.2.4 Industry Association or Consortium: To create and run a centralized online furniture shop management system, furniture makers, merchants, and e-commerce corporations may band together through an industry association or consortium. This strategy can encourage industry best practices, standardize procedures, and increase sector-wide efficiency.

1.3 Hardware and Software Specification: -

Hardware Specification: -

For this system to function well enough for a range of computational tasks, the CPU must be an Intel Core i3 or higher. The system can easily manage multitasking and memory-intensive apps with at least 4 GB of RAM. Additionally, it has a 250 GB solid-state drive (SSD), which facilitates quick system startup times and data access. A conventional hard disk drive (HDD) with a 50 GB capacity that offers plenty of room for storing data, documents, and programs is a great addition to the SSD. This combination of SSD and HDD meets performance and data retention needs by balancing speed and storage capacity. All things considered, these hardware requirements offer a reliable computing platform appropriate for both every day and professional.

Software Specification: -

Running Windows 10 or a more recent version, this setup offers a reliable setting for everyday computer use and software development. It makes sure that a variety of drivers and applications are compatible for a flawless user experience. Included is Visual Studio Code, a small source code editor perfect for online development that supports a wide range of programming languages and add-ons. The MySQL database management system has multiple functionalities that are available for data storage.

a. Hardware Specifications:

i. **CPU**: Quad-core processor or higher to handle concurrent requests efficiently.

ii. **RAM**: Minimum 8 GB RAM.

iii. **Storage**: SSD storage for improved data access speed and responsiveness.

iv. **Internet**: Reliable internet connection to facilitate remote access and software updates

v. **Network**: Network infrastructure capable of handling data transfer and communication between servers and client devices.

b. Software Specifications:

i. **Operating System**: Windows Server based on compatibility and organizational preferences.

ii. **Web Server**: Apache HTTP Server or Nginx for serving the web application

iii. **Database**: MySQL as the relational database management system (RDBMS) to store audit data and application metadata.

iv. **Programming Language and Frameworks**: Choose a suitable programming language (JavaScript) and web page framework (Html, CSS,) for developing the OFS.

CHAPTER 2

SYSTEM ANALYSIS

SYSTEM ANALYSIS

2.1 Problem Analysis:

In order to understand how an online furniture business management system works and how to optimize it for efficacy and efficiency, an analysis of its numerous parts, features, and procedures is necessary. In the analysis, keep the following important factors in mind:

2.1.1 Inventory Management Challenges: Maintaining a balance between inventory levels is essential to prevent both overstocking and understocking, which can result in lost sales and disgruntled consumers. Overstocking can tie up funds and warehouse space. Product Variability: Accurately tracking stock levels becomes difficult when handling a broad variety of furniture products in different sizes, colours, and styles. This complicates inventory management.

2.1.2 Order Processing Issues: Manual Processes: Using manual order processing techniques might result in mistakes, hold-ups, and inefficient order fulfilment. Workflows that are fragmented and processing delays may arise from insufficient integration between the online store and order fulfilment procedures, such as shipping and inventory management.

2.1.3 Issues with customer service: Inadequate Communication Channels: Unsatisfactory customer experiences and unfavourable evaluations might result from a lack of customer assistance channels or from delayed response times to questions and complaints. Managing furniture returns and exchanges may be difficult and expensive, particularly when involving big or goods.

2.1.4 Pricing Warfare: In the fiercely competitive online furniture market, pricing wars frequently result in reduced profit margins and make it difficult to set oneself apart from rivals. Quick changes in customer trends and preferences necessitate flexibility and agility in order to modify product offerings and marketing plans.

2.2 Feasibility Study:-

a. Economic Feasibility:-

1. Cost-Benefit Analysis: Calculate the out-of-pocket startup costs for the online furniture store, taking into account fees for website creation, stock, advertising, and other running costs. If the project is financially feasible, compare the estimated advantages, like sales income, with the total costs.

2. Revenue Projections: Estimate sales revenue using price plans, market research, and anticipated,consumer,demand. When estimating revenue, take into account variables including market trends, competition, and seasonal variations.

3. Operating Expenses: Compile a list of all regular operating expenditures, such as those related to utilities, staff wages, hosting fees, maintenance, and marketing. Make sure there is enough revenue in the budget to pay for these costs and turn a profit.

4. Analysis of Break-Even: To find the moment at which the online furniture store will break even and begin to turn a profit, do a break-even study. Determine the sales volume or revenue break-even point and determine whether it can be reached in a fair amount of time.

5. Risk assessment: Determine the possible financial risks and uncertainties related to the project of an online furniture store, such as market rivalry, shifts in customer preferences, or downturns in the economy. To manage these risks and reduce their possible impact on the project's financial sustainability, develop risk mitigation techniques.

6. Financial Viability: Based on the results of the cost-benefit analysis, revenue forecasts, break-even analysis, ROI, and risk assessment, evaluate the online furniture shop project's overall financial viability.Provide advice on whether to move forward with the project, taking into account both its possible dangers and financial rewards.

b. Technical Feasibility Study: -

A technical feasibility study determines whether the suggested system can be implemented successfully from a technological perspective for an online furniture business management system. This is the way it can be carried out:

Hardware requirements: The minimum hardware components for the system we are utilizing are as follows:-

i. Processor: It is quite feasible to fulfil the requirements for a CPU of the Intel Core i3 or later generation. The processing power offered by these CPUs is more than sufficient for web application development and database management. Additionally, they provide compatibility with contemporary software frameworks and make it easier to create web applications that are responsive and efficient.

ii. RAM: Modern systems ought to be able to accommodate the recommended RAM need of up to 5 GB. This amount can be used for database operations, backend process management, and user experience improvement. For the ASC module to operate properly, there must be enough RAM to support many user requests, multitask, and execute complex queries efficiently.

iii. SSD: A sensible and useful device is a 250 GB solid state drive. SSDs provide consistent storage and quick data access, which enhances the ASC module's responsiveness and performance. SSDs enhance user experience by speeding up web page and data retrieval loads and improving overall system responsiveness. This is a result of SSDs' quicker read/write speeds compared to conventional HDDs.

iv. Hard Drive: It makes logical to store website data—such as user profiles, exam schedules, admissions records, and other pertinent data—on a 50 GB hard drive. This allocation guarantees scalability and allows for future expansion of the ASC.
The selected technological specs follow industry norms and recommended procedures for creating web apps. Their greatest degree of functionality, dependability, and scalability for the ASC module supports the project's goals of encouraging digital literacy and increasing administrative efficiency. The objectives of the mission are furthered by using SSDs and making sure that sufficient RAM is allocated, which improves system performance and user experience.

Software requirements: The software requirements for the Online Furniture Shop Management encompass a range of functionalities and features necessary for its development and operation. Here's an outline of the key software requirements:

i. Operating System and Software: Compatibility with modern programming tools like MySQL and Visual Studio Code is guaranteed on Windows 10 and higher. Together with Notepad for code editing and Xampp for running local servers, these apps provide a robust development environment. Enough interoperability with widely used web browsers ensures widespread accessibility.

ii. Programming Languages: When developing front-end and back-end applications, HTML, CSS, JavaScript, and PHP enable flexibility and scalability. These languages have widespread support, which makes it possible to develop and maintain the ASC module efficiently. c. Network Requirements: Utilizing Wi-Fi network connectivity during the development and deployment stages facilitates online resource access and collaboration.

iii. User Interface (UI) : Interface that is simple to use and intuitive for residents, elected authorities, and Panchayat officials. To guarantee accessibility on a variety of platforms (e.g., PCs, smartphones, tablets), responsive design is used. Support in several languages to provide users with different linguistic origins.

iv. Access Control and Authentication: To confirm user identity, utilize secure authentication methods (such as username/password or biometric authentication). Different levels of access and permissions can be defined depending on user roles and responsibilities using role-based access control.

v. Accounting for Finances: Spending and budgeting monitoring features to distribute cash to various projects and activities, oversee spending against budgets, and manage Panchayat finances. Integration with financial systems to provide smooth financial transaction auditing and reconciliation.

c. Behavioural Feasibility Study: -

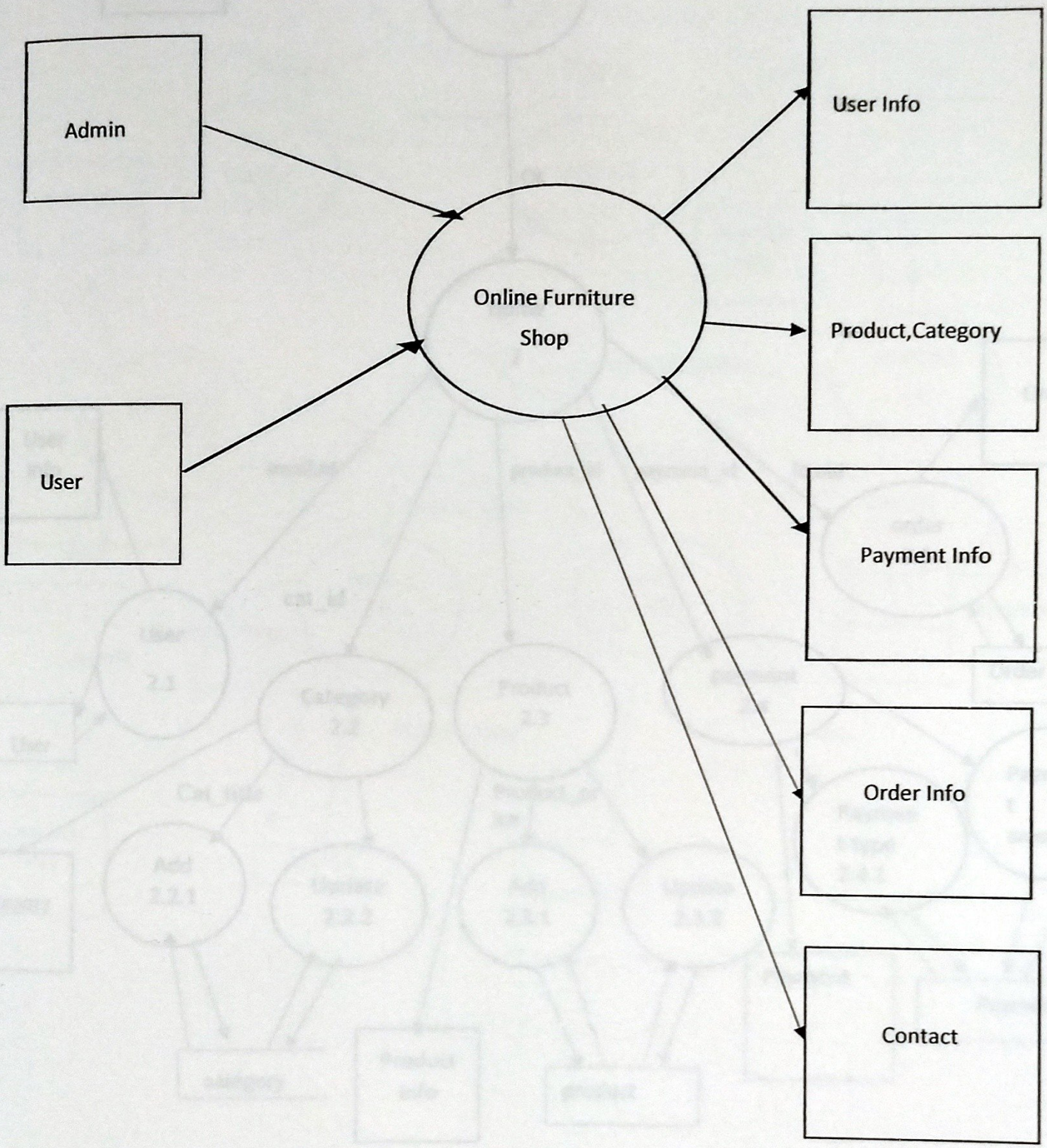
i. User Acceptance: Determine who the main users of the system will be: administrators, staff members, clients, and vendors. Examine their preferences, technical skills, behavioural traits, and demographics to learn about their needs and system expectations.

ii. User Experience (UX): Determine the extent to which users are willing to accept and integrate the online furniture shop management system. Ask people in focus groups, interviews, or surveys about their opinions, attitudes, and worries about the system. Determine whether there is any scepticism or opposition to embracing new technologies.

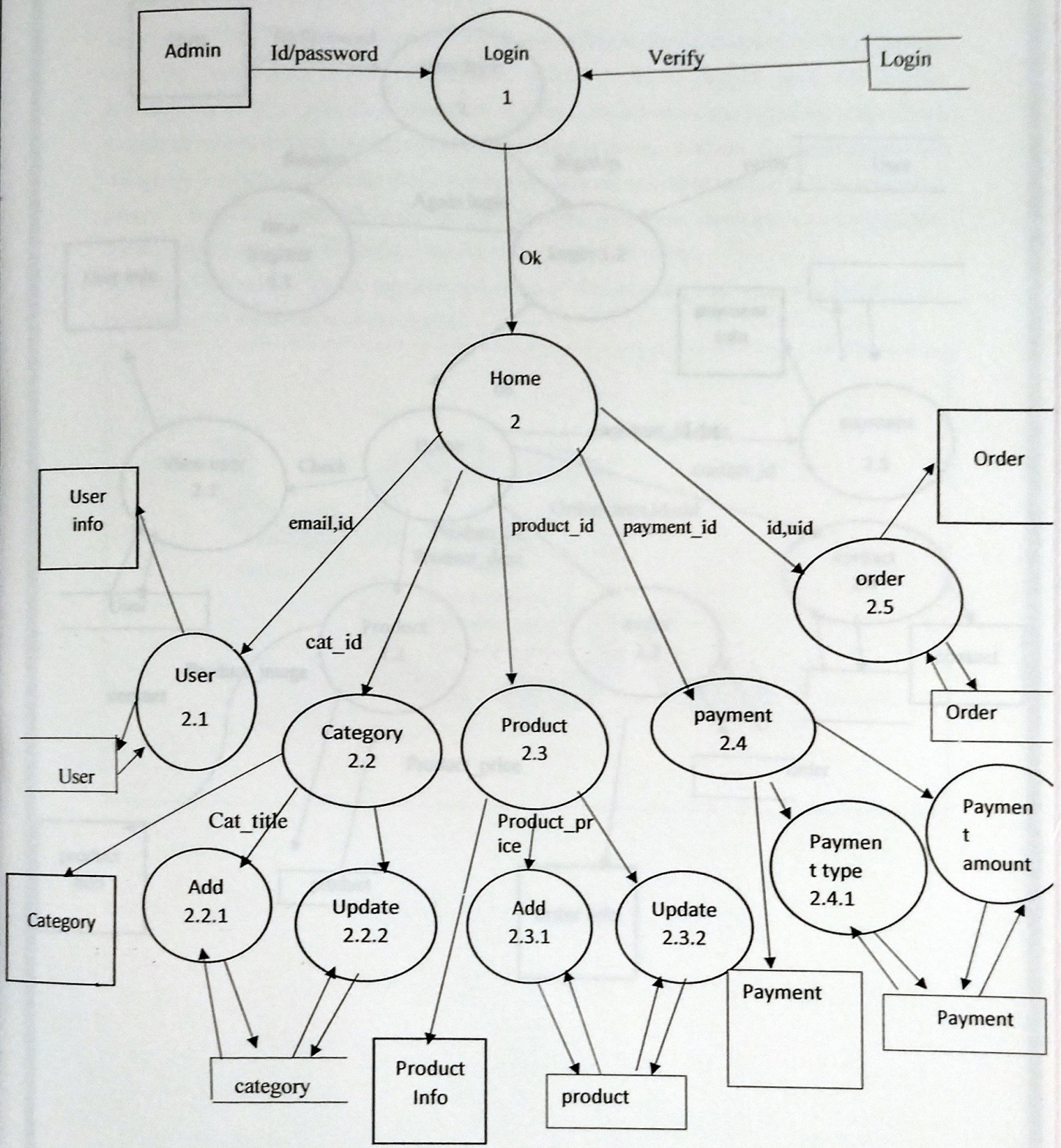
iii. Training and assistance: Make sure the system satisfies the requirements and preferences of the target users by evaluating the user experience (UX). Examine elements including responsiveness, accessibility, simplicity of use, navigation, and layout to find areas that need work and raise user satisfaction.

2.3 Data Flow Diagram

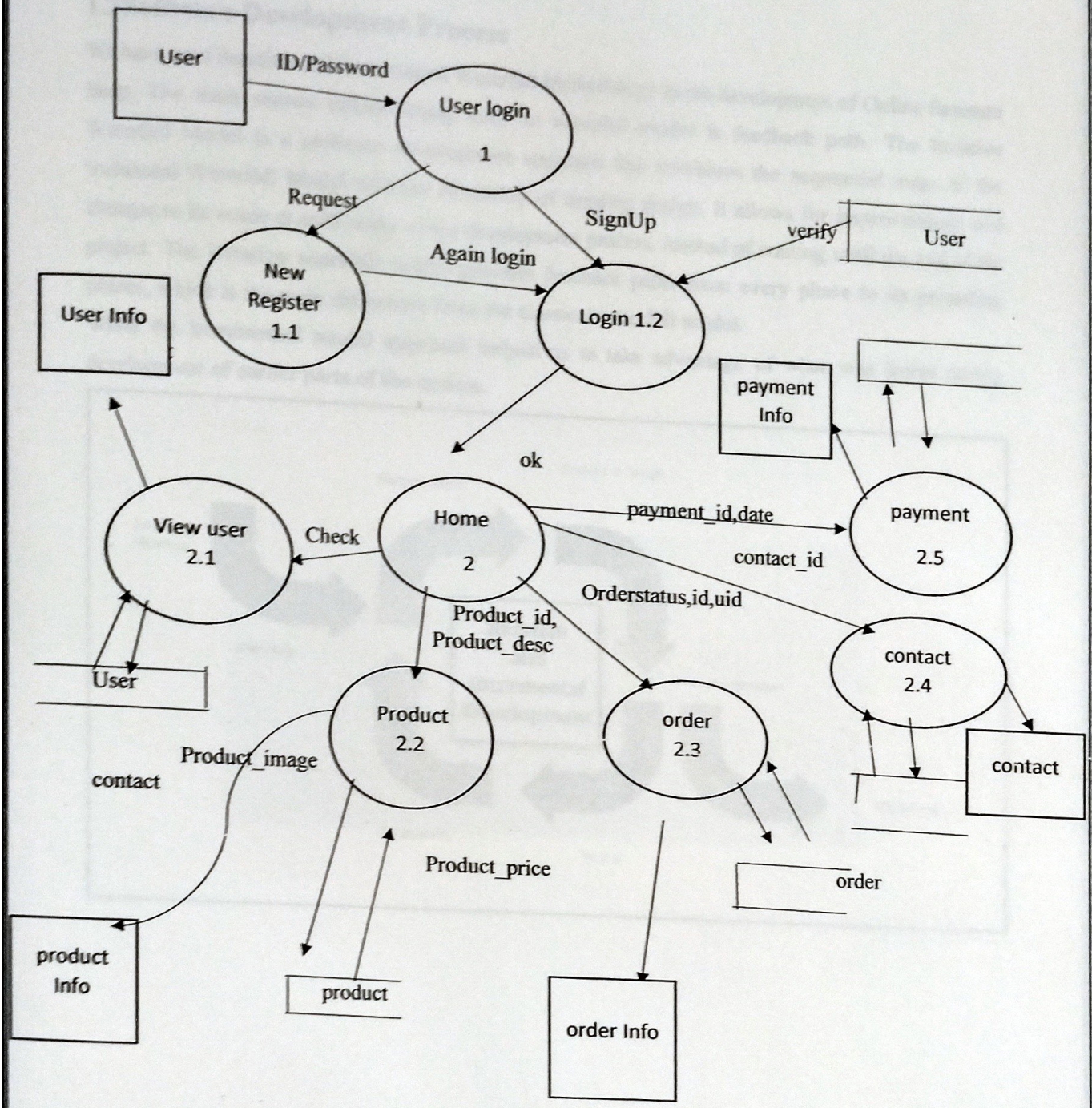
1.1.1 Level – 0 DFD: -



1.1.2 DFD-1 For Admin -



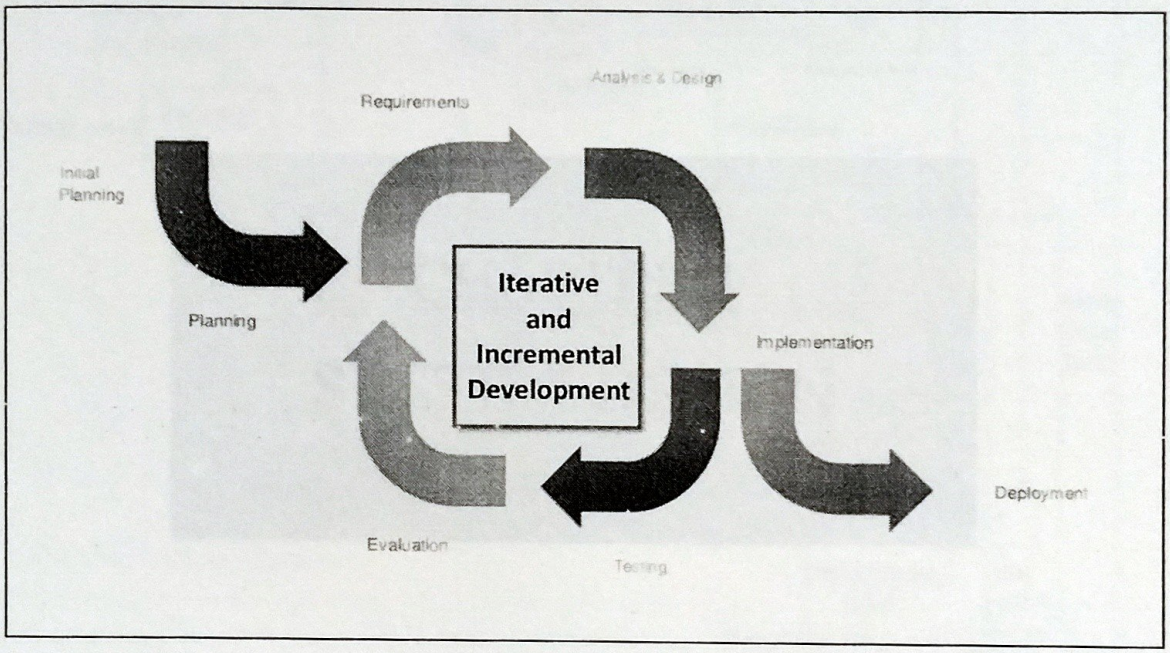
1.1.3 DFD-1 For User -



1.2 Software Development Process

We have used iterative and incremental Waterfall Methodology in the development of Online furniture Shop. The main reason behind using iterative waterfall model is feedback path. The Iterative Waterfall Model is a software development approach that combines the sequential steps of the traditional Waterfall Model with the flexibility of iterative design. It allows for improvements and changes to be made at each stage of the development process, instead of waiting until the end of the project. The iterative waterfall model provides feedback paths from every phase to its preceding phases, which is the main difference from the classical waterfall model.

While the incremental model approach helped us to take advantage of what was learnt during development of earlier parts of the system.

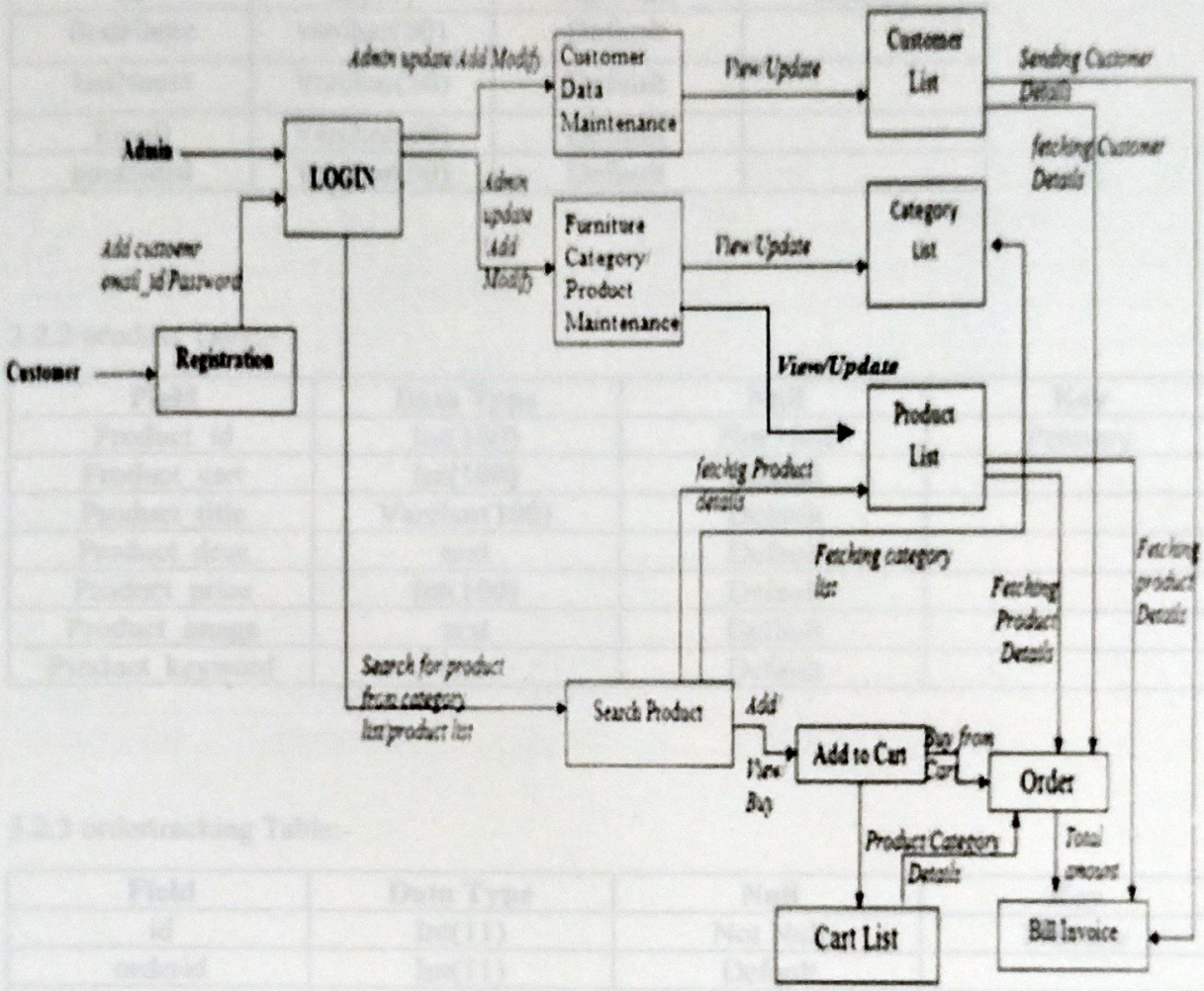


CHAPTER 3

SYSTEM DESIGN

SYSTEM DESIGN

3.1 System Flowchart



3.2 Database Table

3.2.1. Admin Table:-

Field	Data Type	Null	Key
Id	Int(11)	Not Null	Primary
firstName	varchar(50)	Default	
lastName	Varchar(50)	Default	
Email	Varchar(50)	Default	
password	Varchar(50)	Default	

3.2.2 product Table:-

Field	Data Type	Null	Key
Product_id	Int(100)	Not Null	Primary
Product_cart	Int(100)	Default	
Product_title	Varchar(100)	Default	
Product_desc	text	Default	
Product_price	Int(100)	Default	
Product_image	text	Default	
Product_keyword	text	Default	

3.2.3 ordertracking Table:-

Field	Data Type	Null	Key
id	Int(11)	Not Null	Primary
orderid	Int(11)	Default	
status	Varchar(225)	Default	
message	text	Default	

3.2.4. orders Table:-

Field	Data Type	Null	Key	Extra
id	Int(11)	Not Null	Primary	Auto-increment
uid	Int(11)	Default		
totalprice	Varchar(225)	Default		
orderstatus	Varchar(225)	Default		
paymentmode	Varchar(225)	Default		

3.2.5. categories Table:-

Field	Data Type	Null	Key
cat_id	Int(100)	Not Null	Primary
cat_title	text	Default	Null
status	enum	Default	Null
Date_Added	date	Default	Null

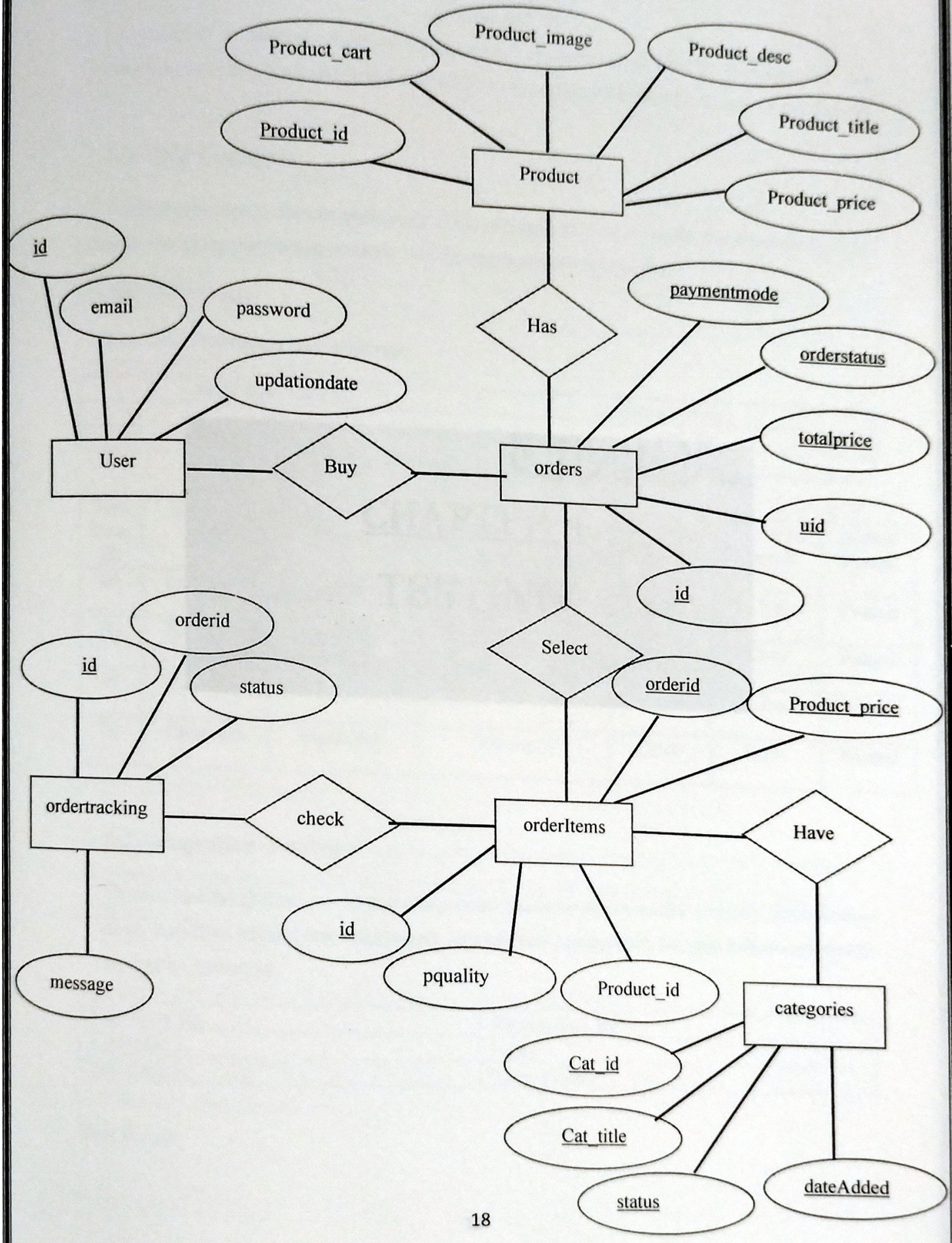
3.2.6. orderitems Table:-

Field	Data Type	Null	Key
id	Int(11)	Not Null	Primary
pid	Int(11)	Default	Null
pquality	Varchar(100)	Default	Null
orderid	Int(11)	Default	Null
productprice	Varchar(100)	Default	Null

3.2.7. users Table:-

Field	Data Type	Null	Key
id	Int (10)	Not Null	Primary
email	varchar (120)	Default	Null
Password	Varchar (200)	Default	Null
Updationdate	timestamp	Default	Null

3.3 Entity-Relationship Diagram



CHAPTER 4

TESTING

Test Case ID	Section	Element Name	Input	Expected Result	Actual Result	Test result
Test case 1	Login	Text Box	No input	Error	Error	Passed
Test case 2	order	Text Box	Nagendra	Show order	No error	Passed
Test Case 1	Login	Input Box	1234	No Error	No error	Passed
Test Case 2	category	Input Box	No input	Error	Error	Passed
Test case 4	Add Order item	Form	No input	Error	Error	Passed
Test case 4	product	Form	No input	No error	No error	Passed

3.3 Validation Testing: -

Verifying that a furniture shop management system online satisfies user demands and complies with specifications is known as validation testing. For such a system, Examine the system's functional and non-functional requirements to make sure they are precise, comprehensive, and attainable. Check to make sure there are no gaps or inconsistencies in the system and that it satisfiesrequirements.

Involve stakeholders or end users to validate the system against their needs and expectations. Evaluate the usability, efficacy, and user satisfaction of the system through real-world scenarios and user workflows. Obtain user input and respond to any questions or concerns expressed.

3.4 Portability Testing:-

Testing a system's portability entails confirming that it can operate efficiently in a variety of settings, on a variety of platforms, and on a variety of devices. This is how one can carry out testing for portability.

Goal: Guarantee optimal module performance during the transfer from development to client devices.

Compliance: To guarantee that the website's functionality remains unchanged upon being transferred to a client device.

Outcomes: The database and all of the files can be moved from the development device to the client device.

3.5 Disaster Recovery and Backup Testing:

Goal: Confirm that the website can recover from data loss and calamities.

Test Scenarios: Record scenarios for testing data backups and catastrophe recovery.

As a result: we have stored our files and data on several non-volatile disks in several places to avoid failure and the data is effectively backed up.

CHAPTER 5

IMPLEMENTATION

IMPLEMENTATION

First of all, we have to download some software to the system for the implementation of our project which are as follows:-

a. Visual Studio Code:

i. Go to the official Visual Studio website https://visualstudio.microsoft.com/downloads/

ii. Click on the "Download" button for the version of Visual studio you want to install.

iii. Choose the components you want to install, such as languages, frameworks, and tools.

iv. Click on the "Install" button to start the installation process.

v. Follow the installation wizard and select the options that suit your needs.

b. PHP:

i. Setup the PHP development server like XAMPP. Choose the integrated development environment or code editor for writing PHP code, such as Visual Studio Code.

ii. The project involves interacting with the database, design the database schema. Determine the tables, fields and relationships between them. Choose the database management system (DBMS) such as MYSQL.

iii. Create the necessary PHP files to handle different parts of your project. Implement the core functionality using PHP, including handing forms, processing user inputs and interacting with database. Use the HTML and CSS to create interface.

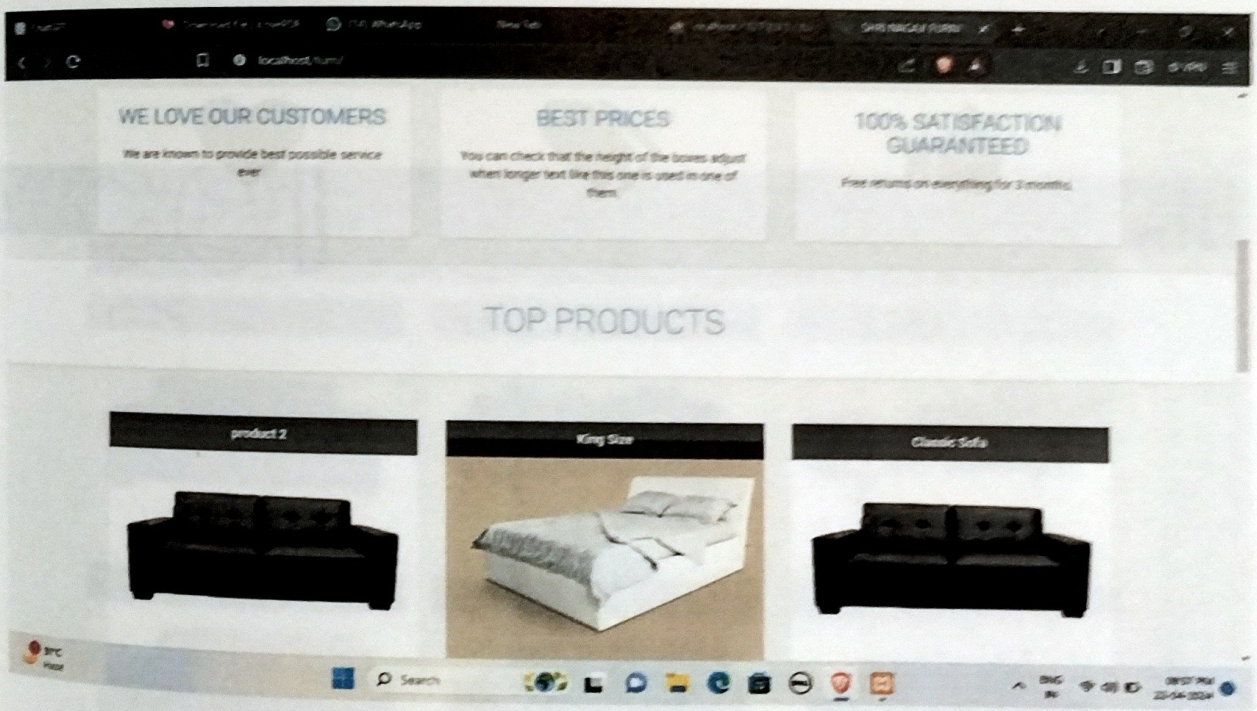
iv. We used MySQL in localhost through XAMPP or web browser First of all, we have to download some software to the system for the implementation of our project which are as follows: To guarantee a successful deployment, there are multiple processes involved in implementing an online furniture shop management system. An overview of the implementation procedure is provided below:

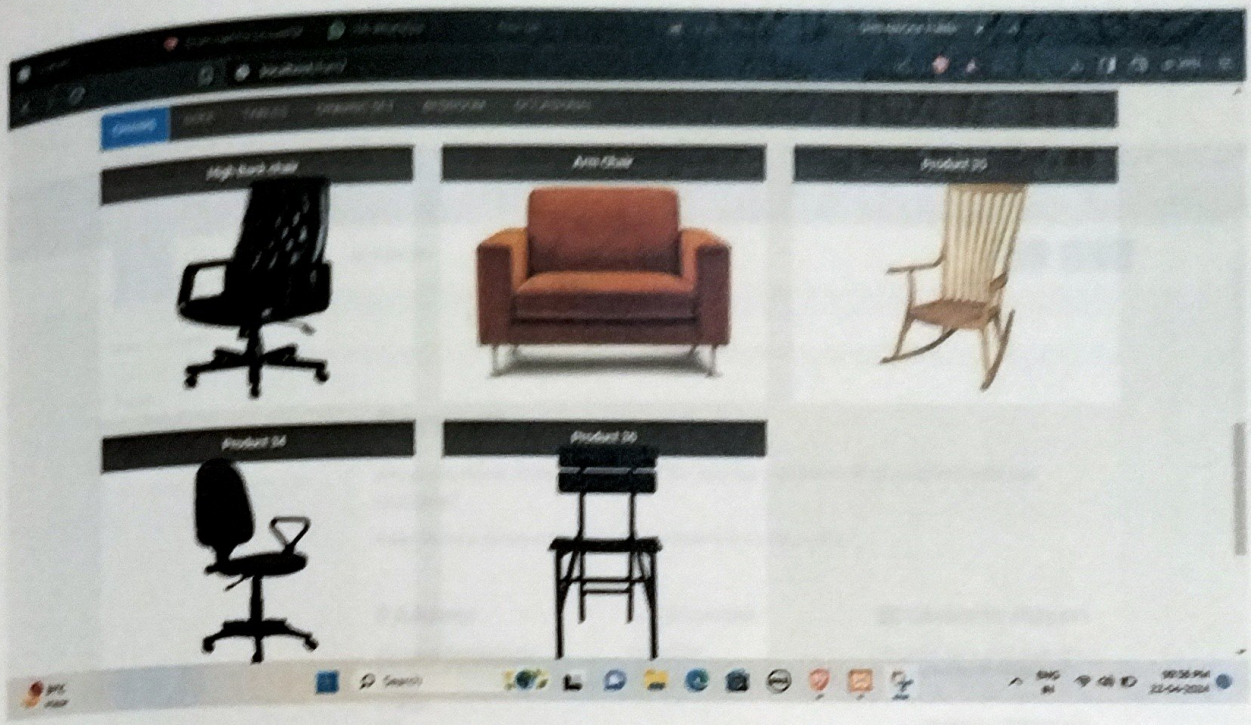
- Specify the goals, parameters, and deliverables of the project.
- Determine the parties involved and create routes of communication.
- Create a project plan that includes resource allocation, deadlines, and milestones.
- Gather and examine stakeholder requirements, taking into account user expectations, business demands, and system functionalities.
- Describe the needs for the system, including functional and non-functional.
- Create the technical specs and architectural design for the online furniture store management system.

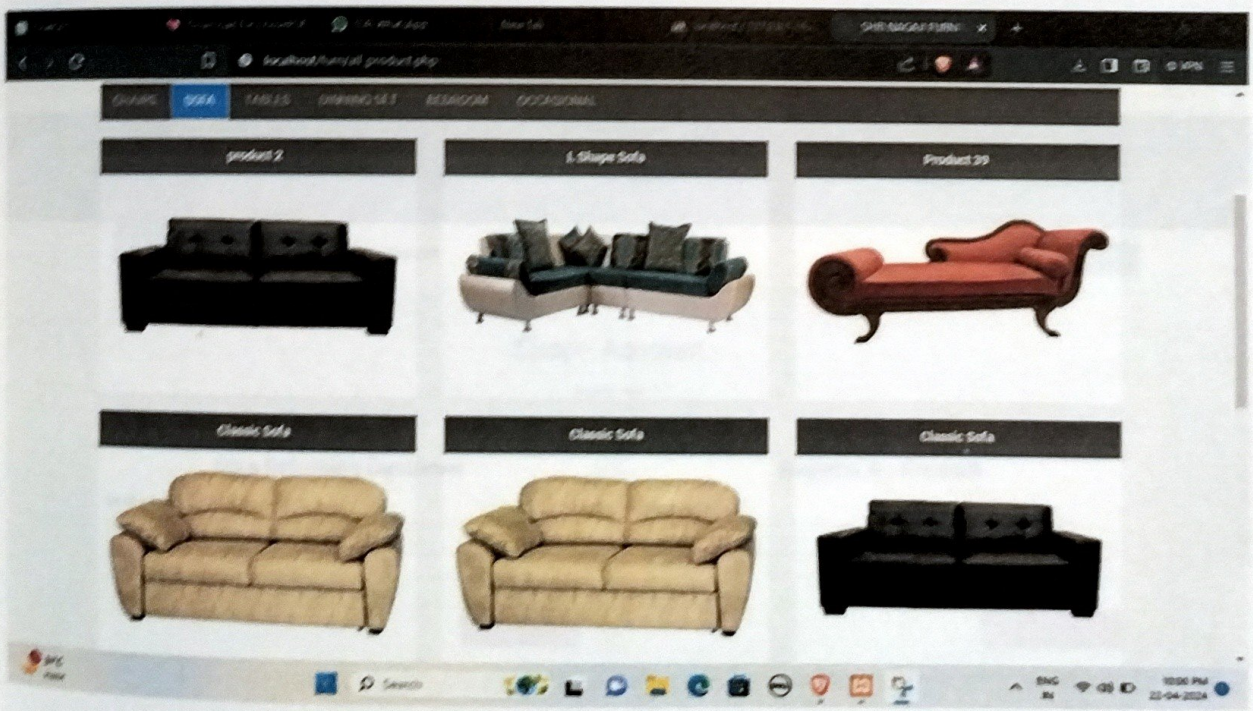
CHAPTER 6

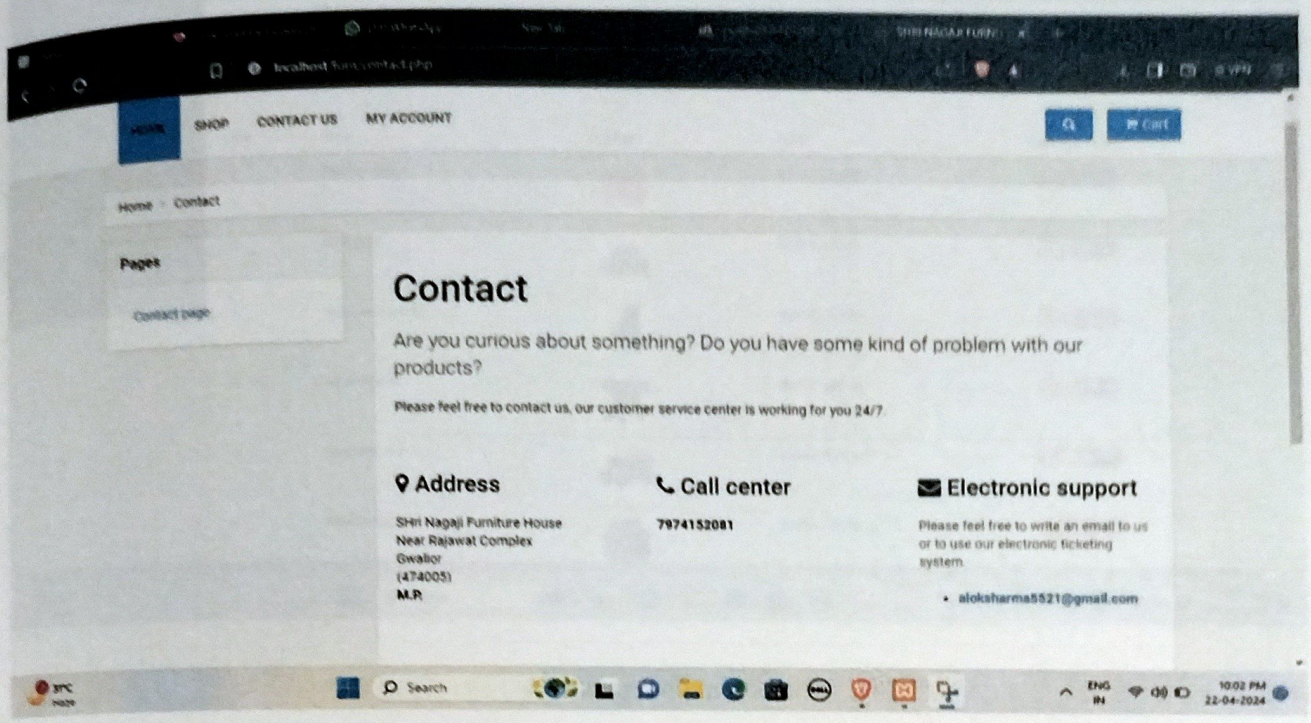
SAMPLE FORMS AND REPORTS

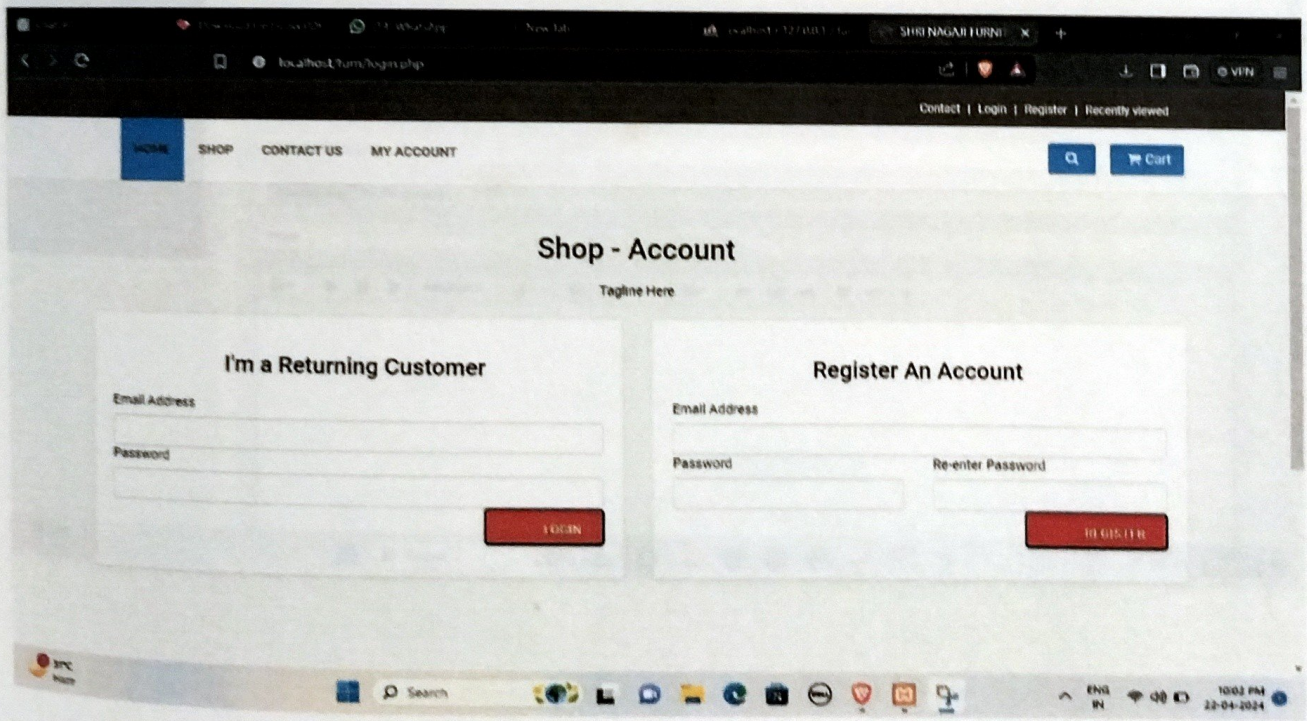

HOME
SHOP
CONTACT US
MY ACCOUNT
CREATIVE
Style

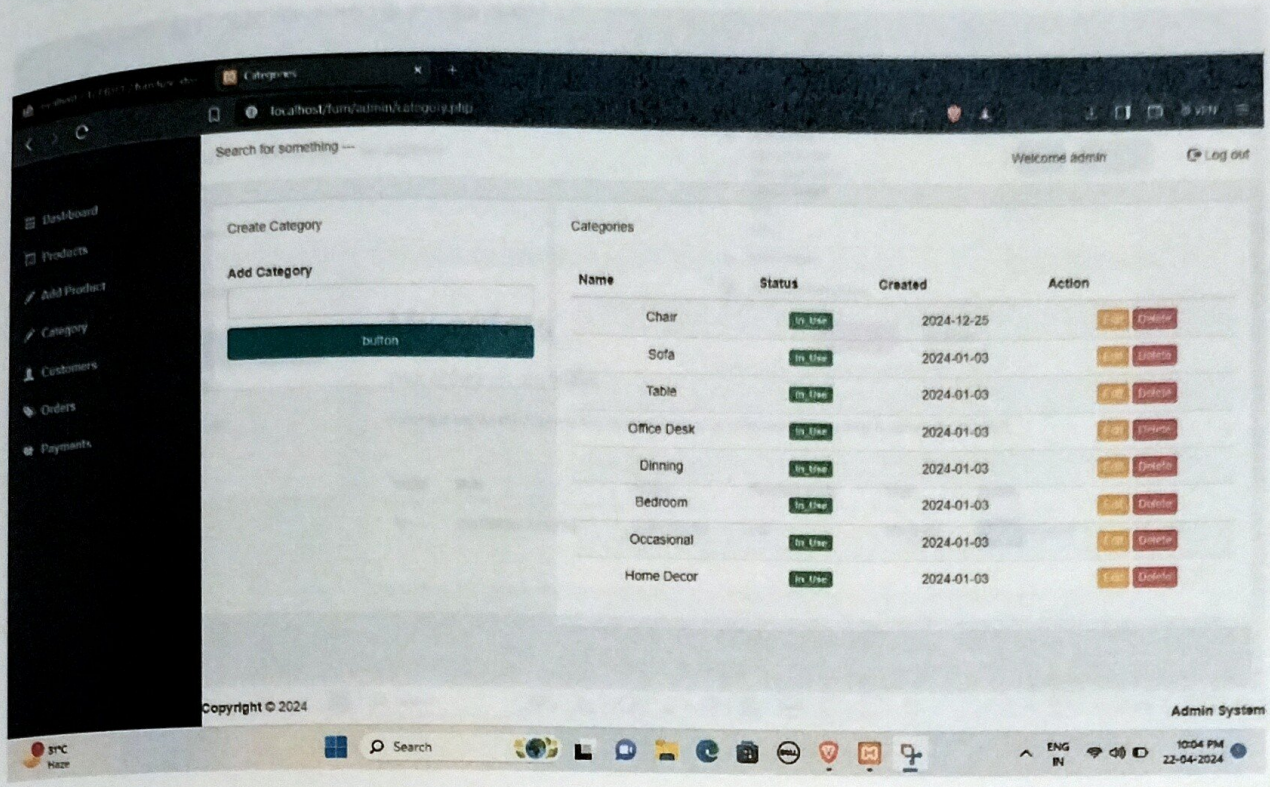

localhost/furn/
WE LOVE OUR CUSTOMERS
We are known to provide best possible service ever
BEST PRICES
You can check that the height of the boxes adjust when longer text like this one is used in one of them
100% SATISFACTION GUARANTEED
Free returns on everything for 3 months.
TOP PRODUCTS
product 2
King Size
Classic Sofa
Search

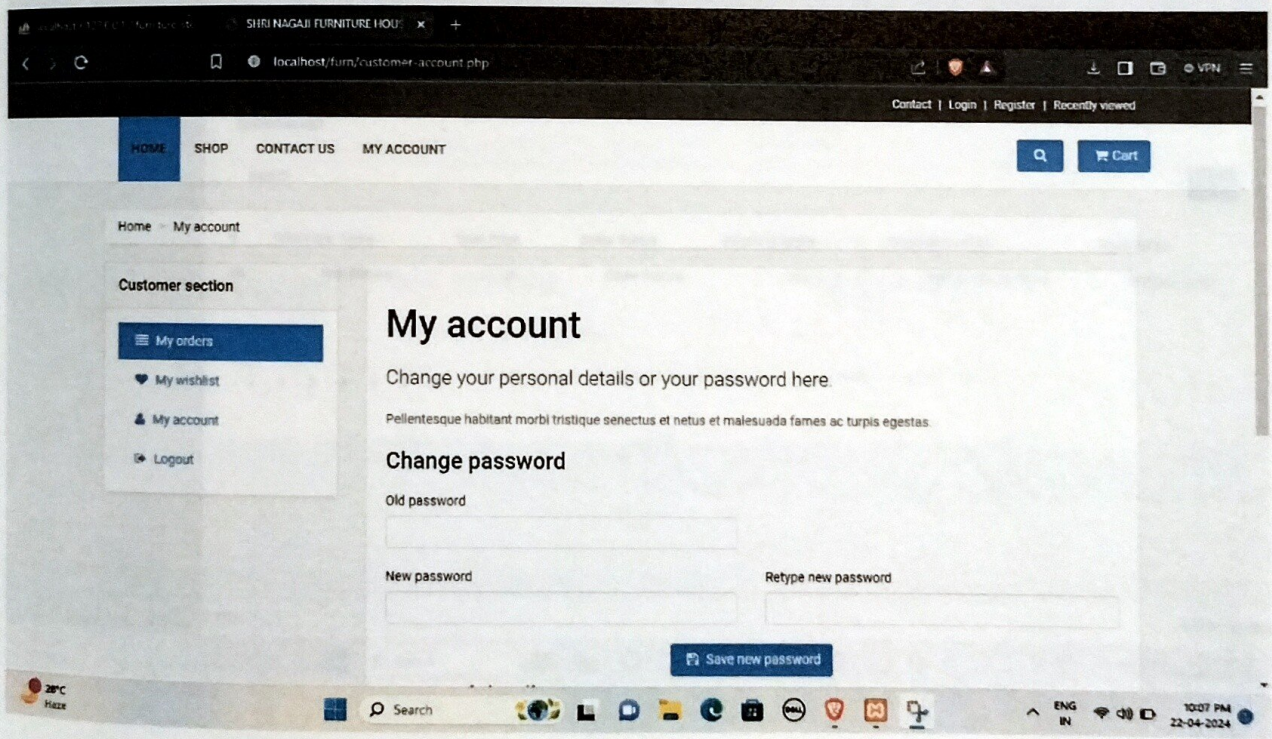

High Back Chair
Arm Chair
Product 35
Product 34
Product 36

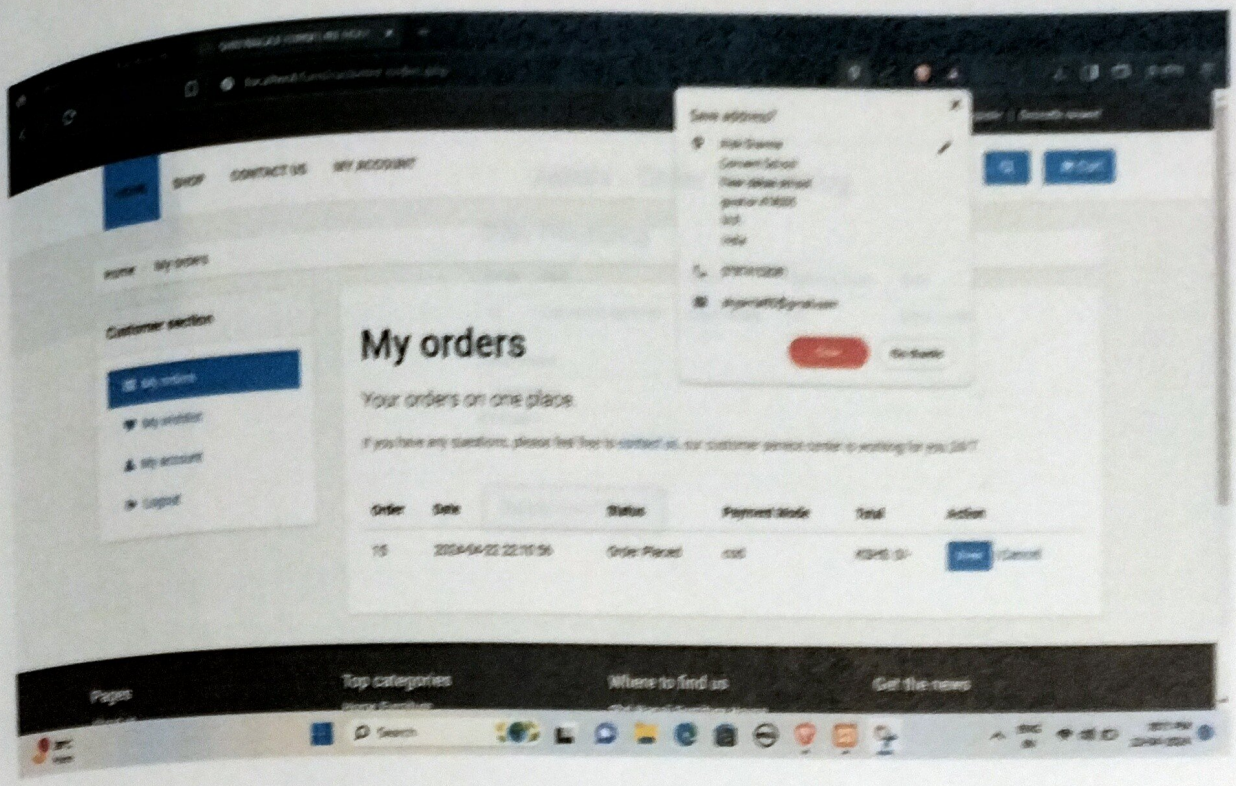

product 2
L Shape Sofa
Product 39
Classic Sofa
Classic Sofa
Classic Sofa

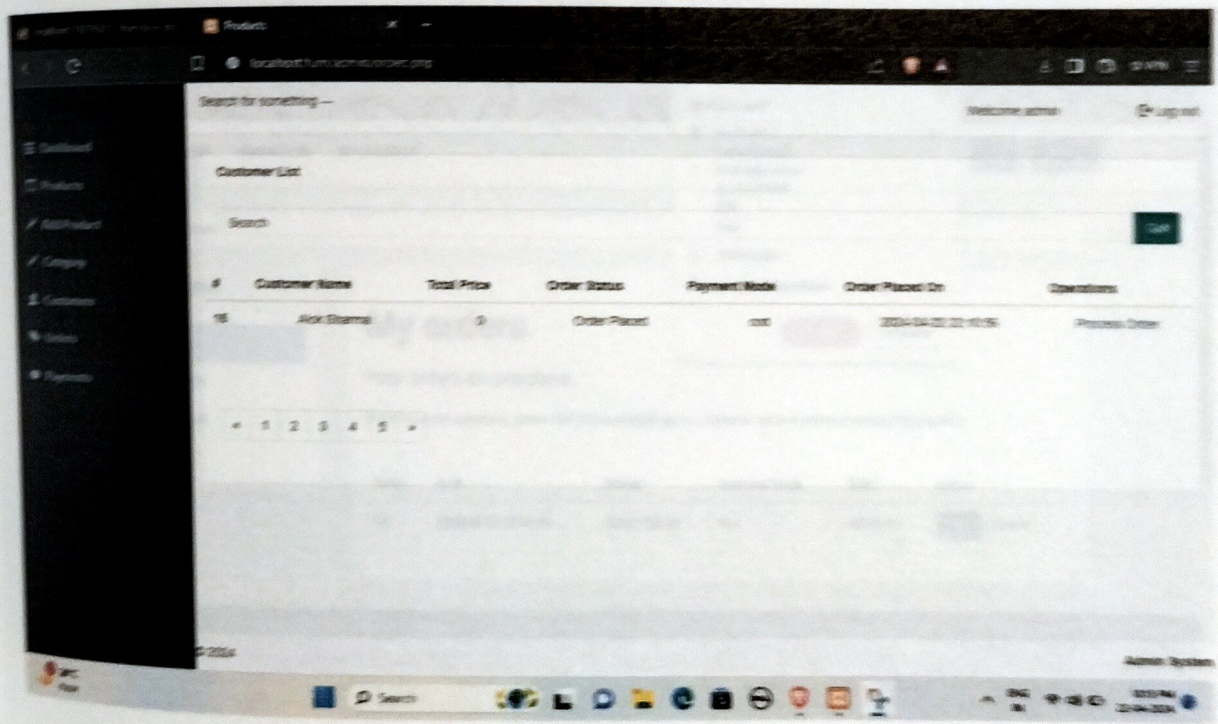

HOME
SHOP
CONTACT US
MY ACCOUNT
Cart
Home · Contact
Pages
Contact page
Contact
Are you curious about something? Do you have some kind of problem with our products?
Please feel free to contact us, our customer service center is working for you 24/7.
Address
Shri Nagaji Furniture House
Near Rajawat Complex
Gwalior
(474005)
M.P.
Call center
7974152081
Electronic support
Please feel free to write an email to us or to use our electronic ticketing system.
aloksharma5521@gmail.com


Contact | Login | Register | Recently viewed
HOME
SHOP
CONTACT US
MY ACCOUNT
Cart
Shop - Account
Tagline Here
I'm a Returning Customer
Email Address
Password
LOGIN
Register An Account
Email Address
Password
Re-enter Password
REGISTER


Search for something ---
Welcome admin
Log out
Dashboard
Products
Add Product
Category
Customers
Orders
Payments
Create Category
Add Category
button
Categories
Name
Status
Created
Action
Chair
In Use
2024-12-25
Sofa
In Use
2024-01-03
Table
In Use
2024-01-03
Office Desk
In Use
2024-01-03
Dinning
In Use
2024-01-03
Bedroom
In Use
2024-01-03
Occasional
In Use
2024-01-03
Home Decor
In Use
2024-01-03
Copyright © 2024
Admin System


Contact | Login | Register | Recently viewed
HOME
SHOP
CONTACT US
MY ACCOUNT
Cart
Home » My account
Customer section
My orders
My wishlist
My account
Logout
My account
Change your personal details or your password here.
Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas.
Change password
Old password
New password
Retype new password
Save new password


SHOP
CONTACT US
MY ACCOUNT
My orders
Your orders on one place
Customer section
Pages
Top categories
Where to find us
Get the news


Customer List
Search
Customer Name
Total Price
Order Status
Payment Mode
Order Placed On
Operations

CHAPTER 7

CONCLUSION

CONCLUSION

In conclusion, furniture shops can gain a lot from putting in place an online furniture shop management system, such as higher competition in the e-commerce industry, better customer experiences, and more productivity. Through the system's streamlined Orde processing, inventory management, and customer relationship management, retailers may maximize business development andoperationalefficiency.

Stakeholder engagement, meticulous preparation, and adherence to best practices are crucial for the implementation process to be successful. Every stage of the process, from requirement analysis and project planning to system design, development, testing, and deployment, is vital to ensure the system fulfils user demands and adds value to the company.

In addition, continuous monitoring, training, and support are required to preserve the system's efficacy and meet changing business needs. Retailers can make the most of the advantages of the online furniture shop management system and maintain their competitive edge in the market by consistently obtaining feedback, pinpointing areas for improvement, and putting enhancements into practice.

Essentially, purchasing an online furniture store management system is a strategic choice to modernize operations, improve customer satisfaction, and propel business success in the digital age rather than only being a technical upgrade. Retailers can use technology to their advantage and create long-term success in the furniture sector by carefully planning, implementing, and optimizing their use continuously.

Bibliography

S.No	Website
1.	https://www.w3schools.com/html/default.asp
2.	https://www.w3schools.com/css/default.asp
3.	https://www.w3schools.com/css/default.asp
4.	https://getbootstrap.com/
5.	https://dev.mysql.com/downloads/installer/
6.	https://www.php.net/
7.	https://javascript.info/
8.	https://www.facebook.com/marketplace/
9.	https://www.github.com/

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Summary

FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY MENTOR

Name of student	Alok Sharma		Department	CSE (MEA)	
Industry/Organization	Shri Nagaji furniture House		Date/Duration	14/02/2024 - 29/02/2024	
Criterion	**Poor**	**Average**	**Good**	**Very Good**	**Excellent**
Punctuality/Timely completion of assigned work				✓	
Learning capacity/Knowledge up gradation				✓	
Performance/Quality of work					
Behaviour/Discipline/Team work					✓
Sincerity/Hard work					✓
Comment on nature of work done/Area/Topic	• Design and maintain databases and retrieval. • Create frontend and backend System.				
OVERALL GRADE (Any one)	**POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT**				
Name of Industry Mentor	Mr. Nagendra Singh.				
Signature of Industry Mentor	N Singh				

Receiving Date	01/03/2024	Name of Faculty Mentor	Dr. R.S. Jadon	Sign	

SHRI NAGAJI FURNITURE HOUSE

Authorised Signatory

FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY MENTOR

Name of student	Alok Sharma		Department	CSE (MCA)	
Industry/Organization	Shri Nagaji Furniture House.		Date/Duration	01/03/2024 – 15/03/2024	
Criterion	**Poor**	**Average**	**Good**	**Very Good**	**Excellent**
Punctuality/Timely completion of assigned work			✓		
Learning capacity/Knowledge up gradation				✓	
Performance/Quality of work			✓		
Behaviour/Discipline/Team work				✓	
Sincerity/Hard work				✓	
Comment on nature of work done/Area/Topic	• Using the codebase to make changes. and review the process.				
OVERALL GRADE (Any one)	**POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT**				
Name of Industry Mentor	Mr. Nagendra Singh.				
Signature of Industry Mentor	N Singh				

Receiving Date	16/03/2024	Name of Faculty Mentor	Dr. R. S. Jadon	Sign	

SHRI NAGAJI FURNITURE HOUSE

Authorised Signatory

TESTING

To guarantee a furniture business management system's dependability, performance, and effectiveness, testing is essential. The following are important test kinds that must to be carried out:

3.1 Unit Testing: -

To ensure that each module or component of the system is working correctly, test it separately. This entails verifying that classes, methods, and functions operate as intended.

SECTION: Login

Test Case: Mandatory test (Unit test)

Main Test Case ID	Element Name
M1	Email ID
M2	Password

Test Case ID	Section	Element Name	Input	Test Data	Expected Result	Actual Result
01	Email-ID	Input Box	Alok54@gmail.com	No Error	No Error	Passed
02	Email-ID	Input Box	No input	Error	Error	Passed
03	Password	Input Box	1234	No Error	No Error	Passed
04	Password	Input Box	No input	Error	Error	Passed

3.2 Integration Testing:

To make sure the system's modules or components interact with one another properly, test how they do so. Data flow, communication protocols, and interface compatibility between linked components must all be confirmed.

Test Case ID	Element name
Test Case 1	login
Test Case 2	View order

Test Result

FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY MENTOR

Name of student	Alok Sharma		Department	CSE (MCA)	
Industry/Organization	Shri Nagaji furniture house.		Date/Duration	05/01/2024 - 15/01/202	
Criterion	**Poor**	**Average**	**Good**	**Very Good**	**Excellent**
Punctuality/Timely completion of assigned work				✓	
Learning capacity/Knowledge up gradation			✓		
Performance/Quality of work			✓		
Behaviour/Discipline/Team work				✓	
Sincerity/Hard work					✓
Comment on nature of work done/Area/Topic	• Design and architect backend system. • Write clean and maintable code to implement the functions.				
OVERALL GRADE (Any one)	**POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT**				
Name of Industry Mentor	Mr. Nagendra Singh.				
Signature of Industry Mentor	N Singh				

Receiving Date	16-01-24	Name of Faculty Mentor	Dr. R.S. Jadon	Sign	

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FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY MENTOR

Name of student	Alok Sharma		Department	CSE (MCA)	
Industry/Organization	Shri Nagaji furniture House.		Date/Duration	17/01/2024 - 31-01-2024	
Criterion	**Poor**	**Average**	**Good**	**Very Good**	**Excellent**
Punctuality/Timely completion of assigned work				✓	
Learning capacity/Knowledge up gradation				✓	
Performance/Quality of work					
Behaviour/Discipline/Team work			✓		
Sincerity/Hard work				✓	
Comment on nature of work done/Area/Topic	• Handle work user authentication and session management. • Design database schema based on application's requirements.				
OVERALL GRADE (Any one)	**POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT**				
Name of Industry Mentor	Mr. Nagendra Singh.				
Signature of Industry Mentor	N Singh				

Receiving Date	31-01-2024	Name of Faculty Mentor	Dr. R.S. Jadon	Sign	

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Name of student	Alok Sharma		Department	CSE (MCA)	
Industry/Organization	Shri Nagaji furniture House		Date/Duration	01/02/2024 – 15/02/2024	
Criterion	**Poor**	**Average**	**Good**	**Very Good**	**Excellent**
Punctuality/Timely completion of assigned work				✓	
Learning capacity/Knowledge up gradation					✓
Performance/Quality of work			✓		
Behaviour/Discipline/Team work					✓
Sincerity/Hard work					✓
Comment on nature of work done/Area/Topic	• Collaborate with designer to create visually appealing and user friendly interfaces. • Ensure that the application is responsive and accessible.				
OVERALL GRADE (Any one)	**POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT**				
Name of Industry Mentor	Mr. Nagendra Singh.				
Signature of Industry Mentor	N Singh				

Receiving Date	16-02-24	**Name of Faculty Mentor**	Dr. R.S. Jadon	**Sign**	

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FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY MENTOR

Name of student	Alok Sharma		Department	CSE (MCA)	
Industry/Organization	Shri Nagaji furniture House		Date/Duration	16/03/2024 - 31/03/2024	
Criterion	**Poor**	**Average**	**Good**	**Very Good**	**Excellent**
Punctuality/Timely completion of assigned work				✓	
Learning capacity/Knowledge up gradation			✓		
Performance/Quality of work				✓	
Behaviour/Discipline/Team work				✓	
Sincerity/Hard work				✓	
Comment on nature of work done/Area/Topic	• Configuration of uploading images • Perform Unit Testing of developed Software.				
OVERALL GRADE (Any one)	**POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT**				
Name of Industry Mentor	Mr. Nagendra Singh.				
Signature of Industry Mentor	N Singh				

Receiving Date	01-04-2024	**Name of Faculty Mentor**	Dr. R.S. Jadon	**Sign**	

FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY MENTOR

Name of student	Alok Sharma		Department	CSE (MCA)	
Industry/Organization	Shri Nagaji furniture House.		Date/Duration	17/04/2024 - 27/04/2024	
Criterion	**Poor**	**Average**	**Good**	**Very Good**	**Excellent**
Punctuality/Timely completion of assigned work					
Learning capacity/Knowledge up gradation				✓	
Performance/Quality of work				✓	
Behaviour/Discipline/Team work			✓		
Sincerity/Hard work					✓
Comment on nature of work done/Area/Topic			✓		
OVERALL GRADE (Any one)	• Checking the performace. and maintaing the frontend and backend.				
Name of Industry Mentor	**POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT**				
Signature of Industry Mentor	Mr. Nagendra Singh. N Singh				

Receiving Date	21-04-2024	**Name of Faculty Mentor**	Dr. A. S Jadon	**Sign**	

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