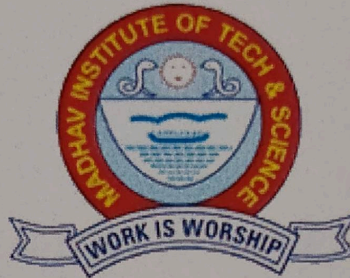# MADHAV INSTITUTE OF TECHNOLOGY &SCIENCE

Deemed to be University

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NAAC Accredited with A++ Grade

Project Report

on

Development of Lady Mall Ecommerce site

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:

Bhanu Pratap Singh Tomar

(0901CA221022)

Industry Mentor:

Mr. Vishal Sharma (Growing Steps)

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

GROWING STEPS
CONSULTANCY AND PROPERTY DEALS

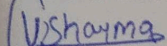Reference Number: GS/IT/2024-15   Date: 22nd April 2024

PROJECT COMPLETION CERTIFICATE

This certificate is awarded to **Mr. Bhanu Pratap Singh Tomar** in recognition of successfully completing a project for the development of the **Lady Mall e-commerce website**. The project spanned from **1st January 2024 to 22nd April 2024** and utilized PHP Laravel with MySQL as the primary technology stack. He played a crucial role in this endeavor, taking ownership of both frontend and backend development tasks. His responsibilities encompassed frontend and backend development tasks, including designing user interfaces, writing clean and efficient code. His dedication, integrity and collaborative spirit were evident throughout the project. His consistently maintained a positive attitude, communicated effectively with team members, and demonstrated excellent problem-solving skills. His professionalism and commitment to delivering high-quality work reflect her strong character and work ethic.

Throughout the project he demonstrated exceptional technical skills and a strong commitment to building a user-friendly and functional e-commerce platform. His contributions encompassed various aspects of web development, including crafting an intuitive user interface with Laravel, developing core functionalities using Laravel and MySQL (product listings, shopping carts, etc.), and consistently tackling technical challenges with a problem-solving mindset. His dedication to quality and proactive approach ensured the delivery of a polished and functional e-commerce website.

We wish him all the best in their future endeavors

VShayma

Vishal Sharma

Growing Steps

Dal Bazaar Tiraha, Lashkar, Infront of HDFC Bank

☎ **+91-9340707174**   ✉ **www.growingstep.in**
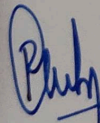
MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE
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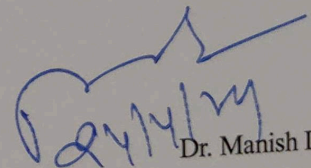### NAAC Accredited with A++ Grade

CERTIFICATE

This is certified that **Bhanu Pratap Singh Tomar (0901CA221022)** has submitted the project report titled **Lady Mall E-commerce site** under the mentorship of **Mr. Vishal Sharma** (Growing steps), 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**.

Dr. R.S. Jadon

(Professor)

Computer Science and Engineering

Dr. Manish Dixit

(Professor and Head)

Computer Science and Engineering

Dr. Manish Dixit
Professor & HOD
Department of CSE
M.I.T.S. Gwalior

II

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE
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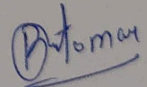### (Declared under Distinct Category by Ministry of Education, Govt. of India)
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DECLARATION

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. Vishal Sharma** (Growing steps).

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

Bhanu Pratap Singh Tomar
0901CA221022
2022-2024
Master of Computer Application
Computer Science and Engineering

III

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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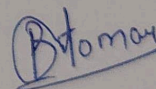
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ACKNOWLEDGEMENT

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 want to express my deep gratitude to Mr. **Vishal Sharma** (Growing steps) for his outstanding mentorship, guidance, and support throughout the project. His invaluable insights and feedback throughout the project have greatly enriched my understanding and abilities. His unwavering encouragement and assistance have played a pivotal role in the project's successful culmination.

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.

Bhanu Pratap Singh Tomar
0901CA221022
2022-2024
Master of Computer Application
Computer Science and Engineering

ABSTRACT

The Lady Mall E-commerce Project introduces a dynamic and user-centric platform designed to revolutionize online retail experiences. In an era marked by competitive markets and evolving consumer demands, this project addresses the critical need for a streamlined, secure, and user-friendly e-commerce solution. By integrating robust features such as comprehensive product descriptions, stringent data security measures, virtual cart functionality, and responsive design, Lady Mall ensures a seamless and engaging shopping journey for users worldwide.

At its core, Lady Mall is committed to bridging the gap between traditional retail and the digital sphere, offering a seamless transition for customers worldwide. Furthermore, Lady Mall's responsive design ensures optimal performance across devices, catering to the diverse needs of modern shoppers.

Recognizing the challenges faced by both customers and businesses in traditional and online retail environments, Lady Mall prioritizes security, user-friendliness, and global accessibility. Through intuitive interfaces, easy navigation, and personalized experiences, the platform aims to democratize online entrepreneurship and empower businesses of all sizes to thrive in the digital marketplace. By leveraging technology to optimize e-commerce practices, Lady Mall fosters collaboration, mitigates risks, and drives growth, ultimately redefining excellence in the online shopping experience.

In summary, Lady Mall revolutionizes online retail with its user-friendly platform, offering comprehensive product listings, robust security measures, and seamless communication channels. By bridging traditional and digital shopping experiences, Lady Mall sets a new standard for convenience and trust in e-commerce

सार

लेडी मॉल ई-कॉमर्स प्रोजेक्ट एक गतिशील और उपयोगकर्ता-केंद्रित प्लेटफ़ॉर्म पेश करता है जिसे ऑनलाइन खुदरा अनुभवों में क्रांति लाने के लिए डिज़ाइन किया गया है। प्रतिस्पर्धी बाजारों और बढ़ती उपभोक्ता मांगों के युग में, यह परियोजना एक सुव्यवस्थित, सुरक्षित और उपयोगकर्ता के अनुकूल ई-कॉमर्स समाधान की महत्वपूर्ण आवश्यकता को संबोधित करती है। व्यापक उत्पाद विवरण, कड़े डेटा सुरक्षा उपाय, वर्चुअल कार्ट कार्यक्षमता और उत्तरदायी डिज़ाइन जैसी मजबूत सुविधाओं को एकीकृत करके, लेडी मॉल दुनिया भर के उपयोगकर्ताओं के लिए एक सहज और आकर्षक खरीदारी यात्रा सुनिश्चित करता है।

इसके मूल में, लेडी मॉल पारंपरिक खुदरा और डिजिटल क्षेत्र के बीच अंतर को पाटने के लिए प्रतिबद्ध है, जो दुनिया भर में ग्राहकों के लिए एक सहज परिवर्तन की पेशकश करता है। इसके अलावा, लेडी मॉल का रिस्पॉन्सिव डिज़ाइन आधुनिक खरीदारों की विविध आवश्यकताओं को पूरा करते हुए सभी डिवाइसों में इष्टतम प्रदर्शन सुनिश्चित करता है।

पारंपरिक और ऑनलाइन खुदरा वातावरण में ग्राहकों और व्यवसायों दोनों के सामने आने वाली चुनौतियों को पहचानते हुए, लेडी मॉल सुरक्षा, उपयोगकर्ता-मित्रता और वैश्विक पहुंच को प्राथमिकता देता है। सहज ज्ञान युक्त इंटरफेस, आसान नेविगेशन और वैयक्तिकृत अनुभवों के माध्यम से, मंच का लक्ष्य ऑनलाइन उद्यमिता का लोकतंत्रीकरण करना और सभी आकार के व्यवसायों को डिजिटल बाज़ार में पनपने के लिए सशक्त बनाना है। ई-कॉमर्स प्रथाओं को अनुकूलित करने के लिए प्रौद्योगिकी का लाभ उठाकर, लेडी मॉल सहयोग को बढ़ावा देता है, जोखिमों को कम करता है और विकास को गति देता है, अंततः ऑनलाइन शॉपिंग अनुभव में उत्कृष्टता को फिर से परिभाषित करता है।

संक्षेप में, लेडी मॉल अपने उपयोगकर्ता-अनुकूल प्लेटफ़ॉर्म के साथ ऑनलाइन रिटेल में क्रांति ला देता है, जो व्यापक उत्पाद लिस्टिंग, मजबूत सुरक्षा उपायों और निर्बाध संचार चैनलों की पेशकश करता है। पारंपरिक और डिजिटल शॉपिंग अनुभवों को जोड़कर, लेडी मॉल ई-कॉमर्स में सुविधा और विश्वास के लिए एक नया मानक स्थापित करता है।

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CHAPTER 1
INTRODUCTION

CHAPTER 1: INTRODUCTION

The E-commerce Platform (EP) revolutionizes the way businesses approach online retail, providing a comprehensive solution to enhance efficiency, transparency, and accountability throughout the entire e-commerce process. With its user-friendly interface and robust features, EP empowers users across various roles – from product managers and marketers to customer service representatives and administrators – to collaborate seamlessly and achieve e-commerce excellence.

In an era where businesses face increasingly competitive online markets and intricate consumer demands, the necessity for a centralized and streamlined e-commerce platform has never been more pressing. EP addresses this need by offering a unified platform where e-commerce tasks, timelines, and documentation can be effortlessly managed. Every aspect of e-commerce, from order processing, customer support, and analytics to product listing and inventory management, is vital to its success.

Key features of the EP platform include:

User Authentication: Users can register, login, and reset passwords securely, ensuring a personalized and protected experience throughout their interaction with the platform.

Product Management: Admins have full control over product listings, enabling them to add, edit, and remove products effortlessly. Products are organized into subcategories for enhanced navigation and discoverability.

User Interaction: Users can engage with products by adding them to their wishlist or cart, facilitating informed decision-making and convenient purchasing.

Order Management: The platform ensures flexibility and convenience by streamlining the order process and enabling users to place orders with multiple payment options, such as cash on delivery and online payments.

Admin Panel: With an easy-to-use admin panel, administrators can effectively manage users, orders, goods, and website content. This gives them insight and control over every part of the platform.

Dynamic Content: Website content is curated and presented dynamically, featuring sliders and other engaging elements to captivate users and showcase products effectively.

Scalability and Customization: The platform was developed with scalability in mind, allowing for the flexibility to modify features and adjust to shifting market trends as well as growth and changing needs.

In summary, the EP platform serves as a catalyst for e-commerce excellence, empowering businesses to streamline operations, foster collaboration, and achieve greater success in the dynamic online marketplace. By leveraging technology to optimize e-commerce practices, EP helps businesses mitigate risks, drive growth, and realize their business objectives with confidence.

1.1. Problem Identification

In the e-commerce landscape, a significant challenge remains: many platforms lack user-friendly solutions, particularly for individuals with limited technical proficiency. Navigating through online sales, inventory management, and customer engagement can prove daunting, resulting in inefficiencies. Traditional platforms necessitate extensive training, creating barriers for small businesses. Complicated systems render tasks like product management and checkout processes intricate, leading to lost sales opportunities. Thus, there's an urgent requirement for an e-commerce platform featuring intuitive interfaces, easy navigation, and robust support to democratize online entrepreneurship and empower businesses of varying sizes to succeed

1.2. Parent Organization

Growing Steps Consultancy **excels** as a leading provider of website development services, distinguishing itself through unwavering dedication to client satisfaction and innovative digital solutions. With a team of skilled professionals, Growing Steps Consultancy collaborates closely with clients to understand their unique requirements and deliver bespoke website designs that reflect their brand identity and resonate with their target audience. Committed to staying ahead of industry trends and technological advancements, Growing Steps Consultancy continually explores new avenues for creativity and enhancement, ensuring that clients receive cutting-edge websites that not only meet but exceed their expectations. With a proven track record of success and a reputation for excellence, Growing Steps Consultancy is the trusted partner for businesses seeking to elevate their online presence and achieve their digital goals.

1.3. Hardware and Software Specifications

To ensure the optimal performance and reliability of our e-commerce platform, we must meticulously consider both hardware and software specifications. Here are the recommended specifications for deploying and operating our system effectively:

a. Hardware Specifications:

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

ii. RAM: Minimum 8 GB RAM.

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

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

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

iii. Database: MySQL as the relational database management system (RDBMS) to store a

iv. Programming Language and Frameworks: PHP and the frame work is Laravel

These hardware and software specifications establish the groundwork for a resilient and dependable e-commerce platform, capable of meeting organizational requirements effectively. By adhering to these recommendations, businesses can ensure the seamless operation and optimal performance of their e-commerce website, fostering a smooth and rewarding shopping experience for users

CHAPTER 2
SYSTEM ANALYSIS

CHAPTER 2: SYSTEM ANALYSIS

2.1 Problem Analysis

A. Customers face trouble when they have to physically visit stores to buy products and those stores have a limited reach, while an E-shopping website can serve customers globally. When product description lack comprehensive information , users may hesitate to make a purchase since they don't have all the necessary details about the product. We provide detailed product description that include specifications, features, materials and any other relevant information.

B. When making an online purchase, users worry about the security of their personal and payment information. To address this concern, we offer strong data security procedures, such as encryption of sensitive data like credit card numbers and adherence to applicable data protection laws. Keeps track of completed order payment information, such as transaction ID, payment method, and payment status. ensures that sensitive payment information is stored securely and in accordance with data protection laws. Facilitates refund processing and payment reconciliation conduct regular security to identify vulnerabilities and ensure compliance with industry standards. Payment information must be encrypted during the transmission and stored to prevent unauthorized access.

C. Let customers add items to their virtual shopping carts and see the contents of the cart—product name, quantity, and total price—displayed. Permit users to change attributes or take items out of the cart. improves user experience by allowing users to add or remove items before completing the purchase. Identifies the user to whom the cart belongs, allowing personalized shopping experiences for registered users. Allows users to collect desired items for purchase without immediately committing to buying them, enabling comparison and thoughtful decision-making.

D. Provide feedback page for customer support and comments where customers can give theirsuggestions and review about the product its help for develop best quality product and get the knowledge about trend which type of product customers want. Restricts access to the Feedback Table to authorized personnel, preventing unauthorized modifications. Records the date and time when the feedback was submitted, allowing chronological analysis.

E. Develop a responsive design to improve the user experience on tablets and smartphones by fluidly adjusting to different screen sizes and devices. In order to ensure readability and simple navigation without the need for zooming or horizontal scrolling, websites should have their layout, images, and text optimized for smaller screens. Page loads quickly for mobile users. Loading times can be considerably shortened by reducing superfluous elements and optimizing images, which will improve user experience.

In summary, e-commerce platform offers a comprehensive solution to the challenges faced by customers in traditional retail and online shopping environments. We prioritize security, user-friendliness, and global accessibility, ensuring a seamless shopping experience. With detailed product descriptions, stringent data security measures, and virtual cart functionality, we provide convenience and peace of mind to users. Additionally, our responsive design optimizes usability across devices, fostering an enjoyable shopping journey. In summary, our e-commerce site is committed to delivering excellence in every aspect of the online shopping experience.

2.2 Feasibility study

a. **Economic Feasibility:** Economic feasibility assesses whether the benefits of establishing and operating the e-commerce site outweigh the associated costs. This analysis involves estimating expenses such as website development, hosting, maintenance, and customer support, and comparing them to potential revenue streams from product sales. Additionally, economic feasibility considers factors such as market demand, competition, and pricing strategies to determine the site's financial viability and potential return on investment.

b. **Technical feasibility:** This aspect evaluates the technological feasibility of our e-commerce site, determining if the required technology is accessible and can be effectively implemented. It entails assessing technical requirements, compatibility with existing systems, and the availability of skilled resources for website development and maintenance. By looking at these variables, we make sure that our e-commerce platform can make use of the right technology to provide customers with a smooth and effective online shopping experience.

i. Programming Languages and Frameworks

S. No.	Specification	Details
1.	Frontend	Html, CSS, Bootstrap, Javascript
2.	Backend Frame work	PHP Laravel
3.	Database	MySQL

2.2.1 Behavioral Feasibility:

The project aims at maximizing the customers friendliness. The application does not require special guidance and all opinions contained in the application are descriptive in nature.

The users are well guided with warning and failure messages for all the action taken. Regularly analyze user behavior through web analytics. Identify trends, monitor user engagement metrics, and adapt the website based on user preferences and behaviors.

A. The platform will be as much as easy to use as possible, convenient and provide value to users and will be solve addressing any concerns that have about security, privacy and trust. Evaluate users' perception of the value they receive from the products or services offered. This includes factors like pricing, discounts, quality, and unique selling propositions. Address users' concerns about online security and privacy. Display trust badges, use secure payment gateways, and clearly communicatethe website's security protocols.

B. To gain the trust of prospective customers, give clear return/refund policies, customer reviews, and comprehensive product information. Provide prompt customer service by phone, email, or live chat to help users with their questions or problems. Establish unambiguous routes of communication for consumer feedback, shipment alerts, and order updates.

C. We would be providing users training modules/session so as to facilitate easier adaption of the E- shopping website. Determine if the website provides convenience in terms of browsing products, adding items to the cart, and completing transactions. A seamless shopping experience influences users positively.

D. Our website make 24*7 with proper accessibility to user without any inconvenience it is quite scalable scalability doesn't affect overall functionality. Implement feedback forms and surveys to gather user opinions and suggestions. Act on this feedback to enhance the user experience continually. Implement personalization features such as user account dashboards, personalized product recommendations, and targeted marketing emails to enhance user engagement.

E. Users need to trust the e-commerce platform. Evaluate security measures, data protection protocols, and the presence of trust signals like SSL certificates and customer testimonials. Trustworthy websites encourage users to make purchases. Ensure that the website's design doesn't overwhelm users with excessive information or complicated processes. Simplify the decision-making process for users. Given the prevalence of smart phones, assess whether the website is mobile- friendly. A consistent and interesting user experience across a range of devices is guaranteed by a responsive design. Think about the effects of user reviews and social media. Users' decisions to shop on the website can be strongly influenced by influencers, social proof, and positive reviews.

2.3. Data Flow Diagram

Level – 0 DFD:-

Figure 1 Level-O DFD

Level – 1 DFD:-

user

user info

user info

verify account

User
Registration
1

CRUD operations on user info

products details

CRUD operations on products info

add to cart/ wishlist
product

User

Products
2

fetch products info

store products info

Admin

product

give feedbacks

Feedback
3

CRUD operations on feedbacks info

store
feedback info

feedback

Figure 2 Level 1 DFD

10

Level – 2 DFD for process 1:-

profile details   user profile 1.4   buy product

user info   user

CRUD operation

store verify details

user   user info   Recieve User Details 1.1   Request verification   Verify User Details 1.2   create profile   Manage profile 1.3

Figure 3 Level 2 DFD for process 1

set order status

User

products in wishlist

all orders

products in cart

product
details

CRUD operations on products info

View
Products
2.1

sent to wishlist

sent to cart

Admin

Add to
Wishlist
2.2

fetch
product details

store
product details

Add to
Cart
2.3

buy
product

Place
Order
2.4

do
payment

product

store
order
details

Payment
2.5

fetch
order
details

fetch products
in wishlist

fetch products
in cart

store products
in wishlist

store products
in cart

store
payment
details

action

order

buy from
wishlist

Figure 4 Level 2 DFD for process 2

CHAPTER 3
SYSTEM DESIGN

CHAPTER 3: SYSTEM DESIGN

1. Table Structure

a) user Table

Field	Data Type	Null	Key	Default
email	Varchar(20)	no	Primary	null
name	Varchar(20)	no	null	null
dob	Date	no	null	null
password	Varchar(10)	no	null	null
address	Varchar(50)	no	null	null
phone_	Bigint(10)	no	null	null
roles	boolean	no	null	null
cid	int(20)	no	Foreign	null

Table 1 User Table

b) Product Table

Field	Data Type	Null	Key	Default
pid	int(20)	no	Primary	null
pname	Varchar(20)	no	null	null
stocks	int(50)	no	null	null
manufacturer	Varchar(20)	no	null	null
category	Varchar(10)	no	null	null
sub_category	Varchar(50)	no	null	null
price	int(10)	no	null	null

Table 2 Product Table

c) order Table

Field	Data Type	Null	Key	Default
oid	Varchar(20)	no	Primary	null
email	Varchar(20)	no	Foreign	null
odate	date	no	null	null
otime	time	no	null	null
shipping address	varchar	no	null	null
status	boolean	no	null	null -

Table 3 Order Table

d) payment Table

Field	Data Type	Null	Key	Default
pay_id	Varchar(20)	no	Primary	Auto-increment
oid	Varchar(20)	no	Foreign	null
cid	int(20)	no	Foreign	null
amount	int(20)	no	null	null
pdate	date	no	null	null
ptime	time	no	null	null
method	choicefeild	no	null	null

Table 4 Payment Table

e) Coupon Table

Field	Data Type	Null	Key	Default
cid	int(10)	no	primary	null
code	Varchar(20)	no	null	null
discount	int(4)	no	null	null
period	Varchar(10)	no	null	null

Table 5 Coupon Table

f) Feedback Table

Field	Data Type	Null	Key	Default
fid	int(10)	no	primary	null
fdate	date	no	null	null
text	Varchar(250)	no	null	null
topic	Varchar(100)	no	null	null

Table 6 Feedback Table
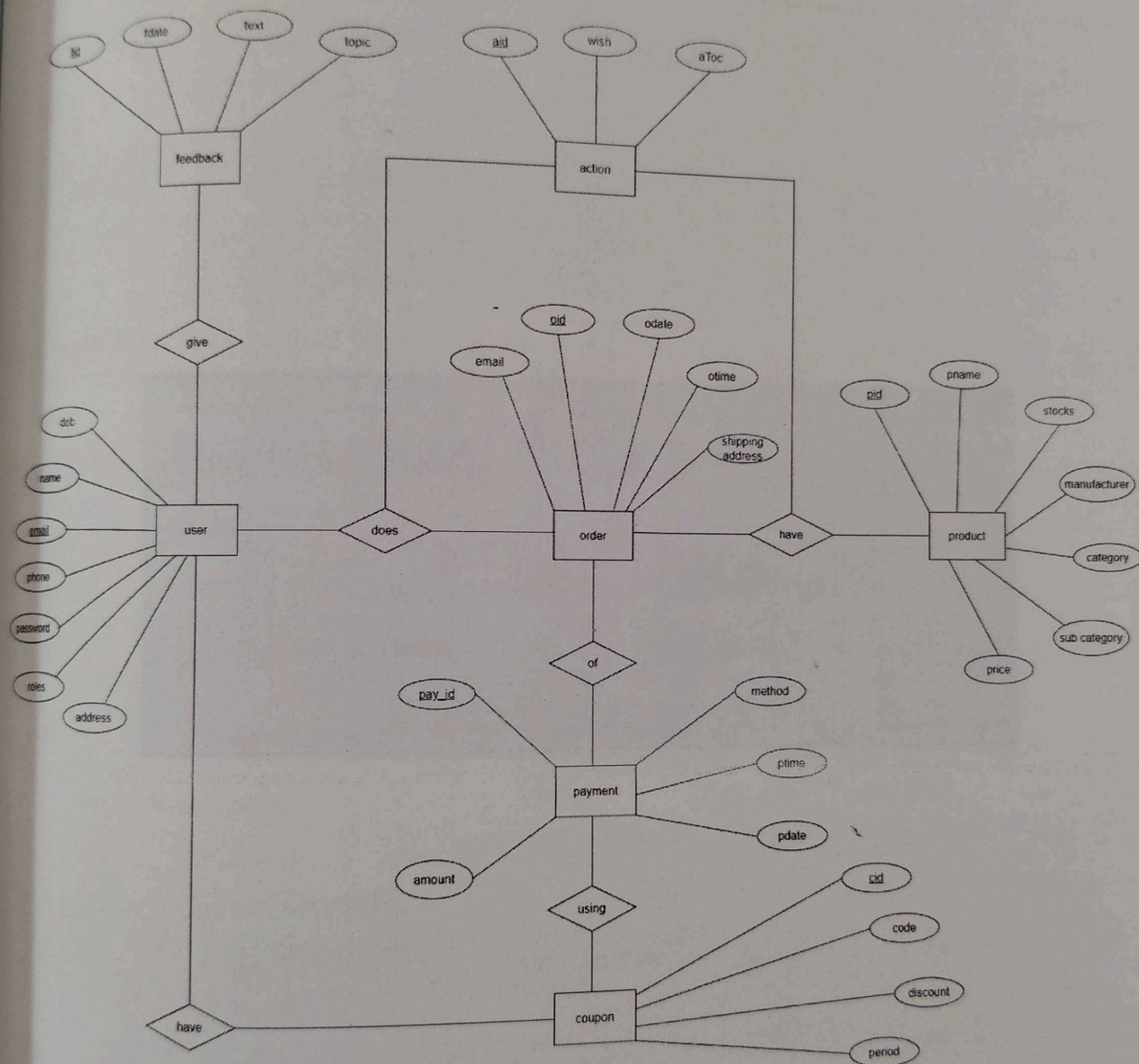
Figure 5 ER Diagram

CHAPTER 4
TESTING

CAPTER 4: TESTING

Software testing is a crucial step in the Software Development Life Cycle (SDLC) that guarantees software satisfies quality requirements and performs as intended. It involves a series of systematic activities conducted at different stages of the SDLC to identify defects, enhance functionality, and optimize user experience.

4.1 Unit Testing

Test Case id	Section	Element name	Test data	Expected result	Actual Result
001	admin Login	email, password	No Data	Please fill out this field.	Test case passed.
		email, password	Administrator/******	Error Occurred.	Test case passed.
		email, password	admin/*****	Successfully logged in.	Test case passed.
002	user Login	email, password	No Data	Please fill out this field.	Test case passed.
		email, password	bhanupratapsinghtomar04@gmail.com/******	Error Occurred.	Test case passed.
		email, password	bhanupratapsinghtomar47@gmail.com/*********	Successfully logged in.	Test case passed.
003	user Registration	name, email, address, phone	No Data	Please fill out this field.	Test case passed.
		name, email, address, phone	Prashant, prashant12@gmail.com, 9945	Error Occurred.	Test case passed.
		name, email, address, phone	Prashant, prashant12@gmail.com, 994562612	Successfully Registered.	Test case passed.
004	user address	address	No data	Please fill out this field	Test case pass
		address	Data in correct format	Successfully changed	Test case pass

17

4.2 Compatibility Testing

Introduction:

This report present the results of compatibility testing conducted on the Lady Mall E-commerce site. The objective of testing was to evaluate the site's usability and functionality across various hardware devices , operating systems, and web browsers commonly used by the target audience.

Methodology:

- **Test Scope:** The compatibility testing focused on assessing the Lady Mall e-commerce site's performance across the following platforms:
  - o Operating Systems: most recent versions of Windows and macOS
  - o Web Browsers: Microsoft Edge (latest version), Firefox (latest and earlier versions), and Chrome (latest and prior versions)
  - o Devices: Desktop computers, tablets (Android, iPad), mobile phones (Android, iOS)
- **Test Techniques:** Manual testing was conducted on various devices and browsers to simulate real-world usage scenarios.

Summary of Findings:

The following table summarizes the compatibility testing results:

Platform	Functionality	User Experience
Operating Systems		
macOS (latest version)	All functionalities work as expected.	Minor layout inconsistencies observed, addressed for future updates.
windows (latest version)	All functionalities work as expected.	Minor layout inconsistencies observed, addressed for future updates.

Web Browsers		
Chrome (latest)	All functionalities work as expected.	Smooth and responsive experience.
Chrome (previous version)	All functionalities work as expected.	Minor layout inconsistencies observed, addressed for future updates.
Firefox (latest)	All functionalities work as expected.	Smooth and responsive experience.
Microsoft Edge(latest version)	All functionalities work as expected.	Minor layout inconsistencies observed, addressed for future updates.

CHAPTER 5
IMPLEMENTATION

CHAPTER 5: IMPLEMENTATIOIN

The cycle of software development (SDLC)'s implementation phase is a crucial stage in which the software solution is created and made available for usage in operations. Below are key facets of this phase:

we need to install some IDE software for implementing our project which are as follows:

5.1. Integrated Development Environment (IDE) Setup

a. Visual Studio Code:

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

ii. To install the desired version of Visual Studio, click the "Download" button.

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

iv. Select "Install" to initiate the installation procedure.

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

5.2. Technologies / Libraries Used:

a. PHP Laravel: Renowned for its sophisticated syntax, strong features, and developer-friendly atmosphere, Laravel is an open-source PHP framework that is widely used for developing online applications.

b. Composer is a PHP dependency management that is used to install and maintain packages needed by other PHP libraries including Laravel.

c. MySQL Database: MySQL is a popular open-source relational database management system that is frequently used to store data for PHP apps like Laravel.

5.3. Development Environment Setup:

Here's a guide for setting up the development environment for your PHP Laravel-based e-commerce site:

1. Install PHP and Composer:

1.1 Verify that PHP is installed on your computer. It is available for download at https://www.php.net/downloads.php, the official PHP website.

1.2 PHP has a dependency manager called Composer. Install it by following the Composer website's instructions.: https://getcomposer.org/download/

2. Install Laravel:

2.1 Using your terminal or command prompt, type the following command to launch a new Laravel project when Composer is installed:

creator —prefer-dist laravel/laravel create-project the name of your project

2.2 Give your Laravel project the name you want by replacing "your-project-name".

3. Set Up Database:

3.1 Make sure you have a database server installed (e.g., MySQL, PostgreSQL).

3.2 Create a new database for your Laravel project.

4. Set Up Environment Variables

4.1 For setting up settings unique to each environment, Laravel employs an.env file. Convert the.env.example file to the.env file, then adjust the additional environment variables and database connection settings as necessary.

5. Run Migrations:

5.1 Database schemas may be defined and managed in code thanks to Laravel's migration capability. Execute the subsequent command to generate the required database tables: PHP craftsman move.

6. Start Development Server:

6.1 You can launch your application locally using the built-in development server that comes with Laravel. To initiate the server, use the subsequent command: PHP artisans provide

6.2 After the development server has started, you may open your Laravel application in your web browser at http://localhost:8000.

CHAPTER 6
SAMPLE FORMS
AND REPORTS

CHAPTER 6: SAMPLE FORMS AND REPORTS

Landing Page:

Category

User registration page:

| Lady Mall | **Sign Up** |

○ Do You Have Referral ID?

Name
Bhanu

Mobile Number
6260333058

Email Address
bhanupratapsinghtomar47@gmail.com

Password
••••••

Confirm Password
••••••

Sign Up

Already have an account?

User Login Form:

Lady Mall

Sign In

Email Id Or Mobile Number
bhanupratapsinghtomar47@gmail.com

Password
•••••••

Forgot your password?

Log In

Not a member? Sign up now

User Interface:

Search

En   Bhanu   ₹0

Latest Products   Best Sellers   Today's Deals   Featured   Electronics   Customer Service   Prime

LIMITED TIME ONLY
24 HOURS DEALS

BLOCKBUSTER DEALS
ON MOBILE & ELECTRONICS
SHOP NOW

Category
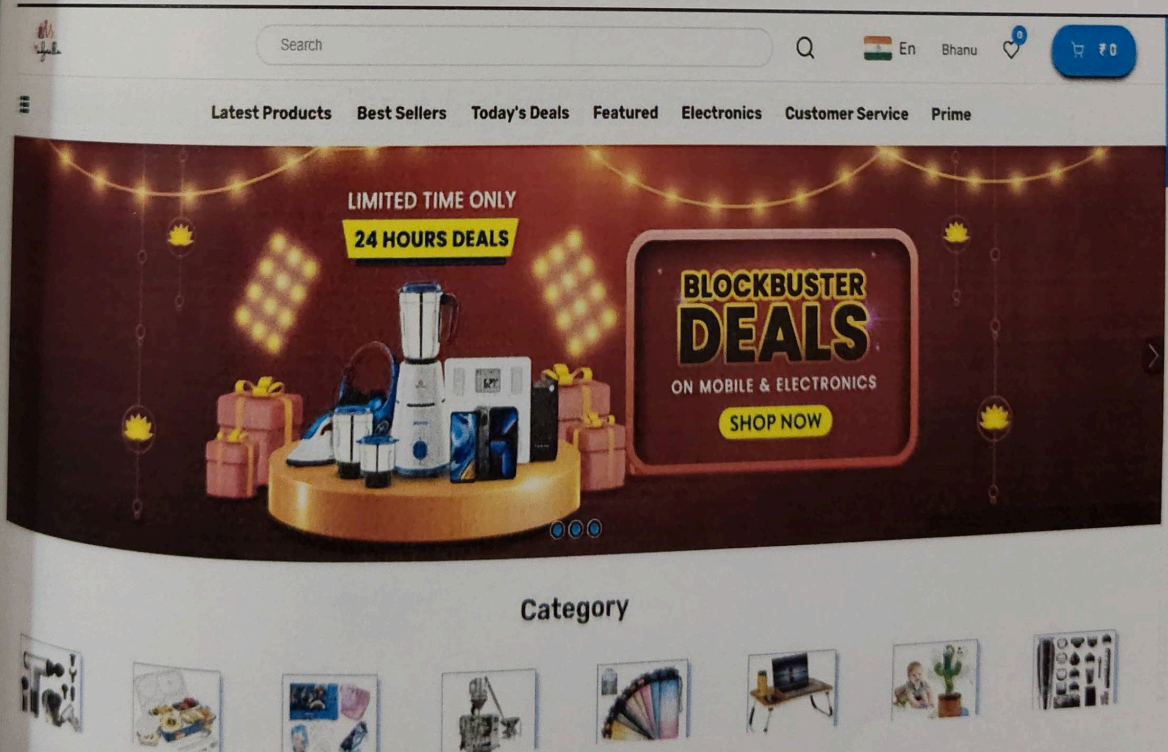
User Dashboard:

My Dashboard

> Dashboard
> Rewards
> Orders
> Wishlist
> Member List
> Withdrawal request List

Hello, **Bhanu()**

Withdrawal Wallet

Wallet Amount	Total Spend Money	Total Rewards	Total Wishlist
0.00	288	1	0

Total Order	Total Pair	Total Member
1	0	0

Account Information

Contact Information   Change Password

Bhanu
+91 6260333058

Product:

Search   Q   🇮🇳 En   Bhanu   ♡   🛒 ₹ 0

TRANSPARENT MECHANICAL POLICE ARMY TANK CAR TOY FOR KIDS WITH GEAR TECHNOLOGY 3D LIGHT, MUSICAL SOUND & 360 DEGREE ROTATION (GEAR ARMY TANK)

₹499.00 ~~₹699.00~~ **28.61% SAVE**

In Stock
★★★★★

Color :

Size   8.5" Inches
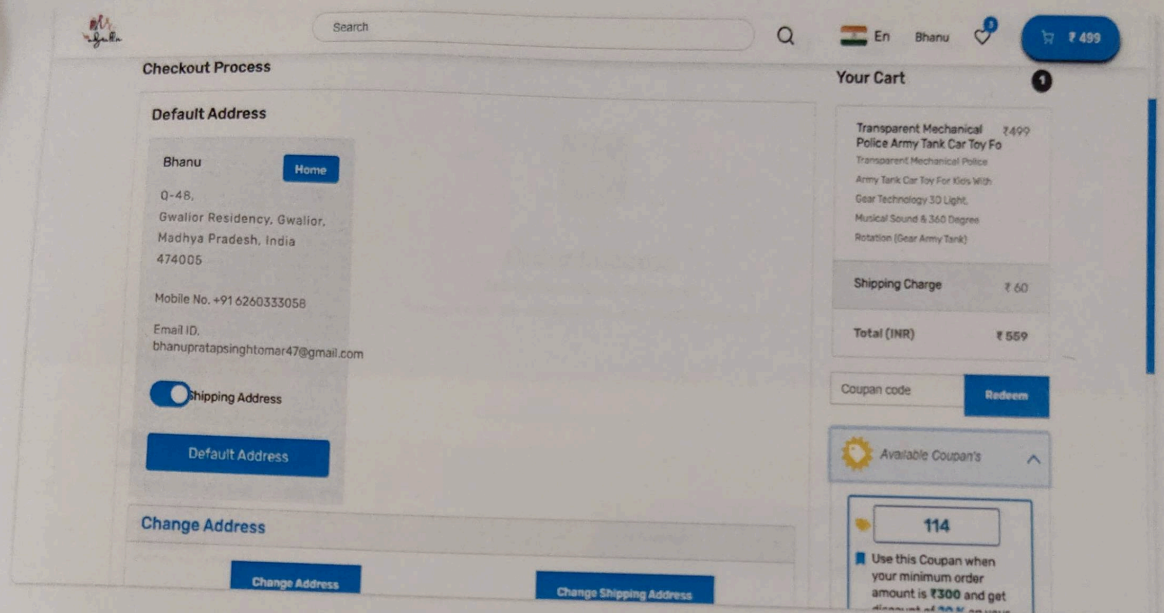
🔄	📷	🔒	🕐
7 Day	Pay on Delivery	Secured	Instant

checkout:

Search

🔍   🇮🇳 En   Bhanu   ♡   🛒 ₹ 499

Checkout Process

Default Address

Bhanu   [Home]

Q-48,
Gwalior Residency, Gwalior,
Madhya Pradesh, India
474005

Mobile No. +91 6260333058

Email ID.
bhanupratapsinghtomar47@gmail.com

◯ Shipping Address

[Default Address]

Change Address

[Change Address]   [Change Shipping Address]

Your Cart   ❶

Transparent Mechanical   ₹499
Police Army Tank Car Toy Fo
Transparent Mechanical Police
Army Tank Car Toy For Kids With
Gear Technology 3D Light,
Musical Sound & 360 Degree
Rotation (Gear Army Tank)

Shipping Charge   ₹ 60

Total (INR)   ₹ 559
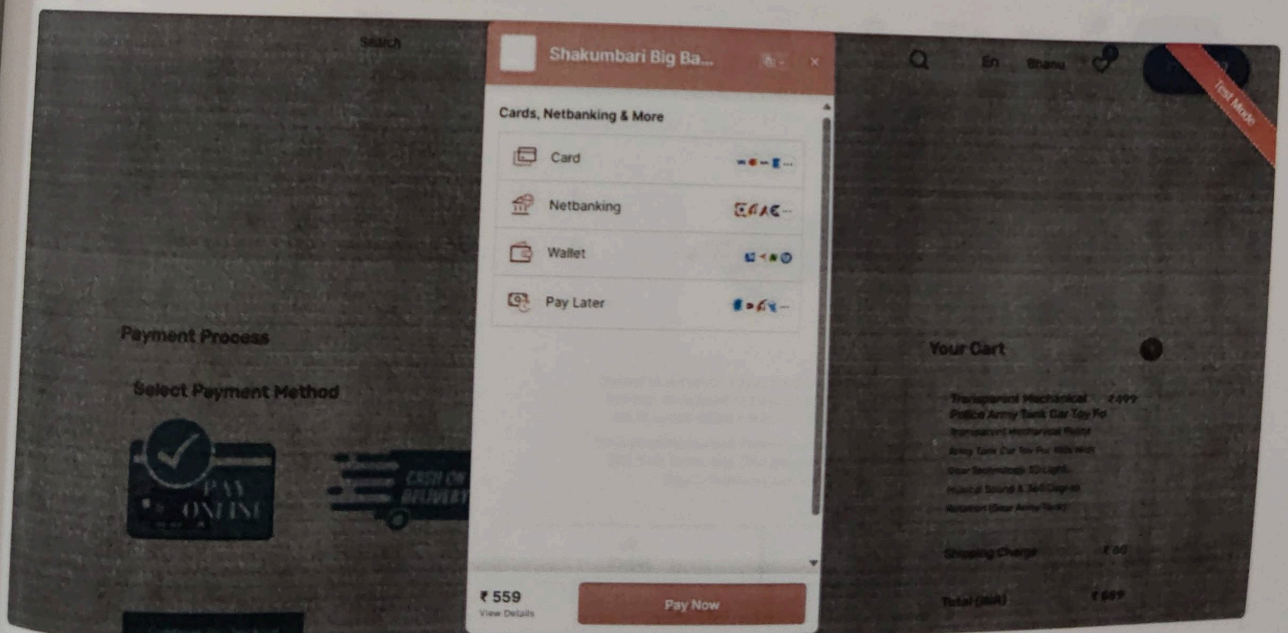
Coupan code   [Redeem]

☀ Available Coupan's   ⌃

🏷 114

Use this Coupan when
your minimum order
amount is ₹300 and get

Payment Mode:

Shakumbari Big Ba...   ⊟ ×

Cards, Netbanking & More

💳 Card

🏦 Netbanking

👛 Wallet

💲 Pay Later

Payment Process

Select Payment Method

✓ PAY ONLINE   CASH ON DELIVERY

₹ 559
View Details   [Pay Now]

Your Cart   ❶

Transparent Mechanical   ₹499
Police Army Tank Car Toy Fo
Transparent Mechanical Police
Army Tank Car Toy For Kids With
Gear Technology 3D Light,
Musical Sound & 360 Degree
Rotation (Gear Army Tank)

Shipping Charge   ₹ 60

Total (INR)   ₹ 559

Order Success:

Click It ...
Get Coupon

Order Success
Order Is Successfully Processsed
Transaction ID:Lady Malld3deeb21faffde77be2392985e3b7c05

Order Details

Product Name

Transparent
Mechanical

Summary	Shipping Address
Order ID: Lady	Home

User - Order:

My Order

> Dashboard

> Rewards

» Orders

> Wishlist

> Member List

> Withdrawal request List

TRANSPARENT MECHANICAL POLICE ARMY TANK CAR TOY
FOR KIDS WITH GEAR TECHNOLOGY 3D LIGHT, MUSICAL
SOUND & 360 DEGREE ROTATION (GEAR ARMY TANK)

Transparent Mechanical Police Army Tank Car Toy For Kids
With Gear Technology 3D Light, Musical Sound & 360
Degree Rotation (Gear Army Tank)

⊙ Cancel	⊙ Return

CONCLUSION

CHAPTER 7
CONCLUSION

CHAPTER 7: CONCLUSION

E-commerce platforms have fundamentally transformed the retail landscape, revolutionizing the way people shop and businesses operate. These platforms have made access to goods and services more democratic, enabling consumers from diverse backgrounds to explore products, compare prices, and make purchases with unprecedented ease.

E-commerce gives companies the chance to enter a worldwide market, removing obstacles based on location and expanding their consumer base. More sales and revenue streams result from this expansion potential. Additionally, e-commerce websites allow businesses to analyze customer behavior, personalize marketing strategies, and offer tailored recommendations, fostering stronger customer relationships.

Moreover, technological advancements such as mobile shopping apps and secure payment gateways have further enhanced the online shopping experience. Social media integration and digital marketing strategies enable businesses to engage with customers in real-time, building brand loyalty and driving sales. The convenience of online shopping has become especially relevant in today's fast-paced world, where digital transactions offer a safe and contactless alternative. E-commerce platforms cater to diverse consumer needs, offering a vast selection of products that empower consumers to make well-informed decisions based on their preferences and budget. Furthermore, these platforms have democratized entrepreneurship, allowing small businesses and individual artisans to showcase their products to a global audience.

From a societal perspective, e-commerce promotes convenience by eliminating the need for extensive shopping trips and long queues. This convenience factor is particularly valuable in today's time-pressed society . Moreover, e-commerce contributes to environmental sustainability by optimizing supply chains and reducing the carbon footprint associated with traditional retail practices.

In conclusion, e-commerce platforms represent a digital revolution that has reshaped commerce, empowered entrepreneurs, simplified consumers' lives, and promoted sustainable practices. As technology continues to advance, the future of e-commerce holds the promise of even more seamless, personalized, and environmentally conscious shopping experiences.

FUTURE WORKS

Looking ahead, there are several potential areas for future development and improvement in the Lady Mall E-commerce website to enhance its functionality and effectiveness. Some potential avenues to explore include:

a) **Enhanced User Experience:** Introduce personalized product recommendations based on past purchase history or browsing behavior.

b) **Mobile Optimization:** To reach clients on mobile devices, create a specialized mobile application for the iOS and Android operating systems. Make sure the website is responsively designed to offer a consistent user experience on a range of screen sizes and devices.

c) **Multi-Vendor Marketplace:** Transform your e-commerce platform into a multi-vendor marketplace where multiple vendors can sign up and sell their products. Provide vendors with their own storefronts or profiles where they can manage their product listings, inventory, pricing, and orders. Enable customers to browse and purchase products from various vendors within a single shopping cart, streamlining the checkout process.

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7. https://code.visualstudio.com/Download

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WORD COUNT	CHARACTER COUNT
3663 Words	**22051 Characters**
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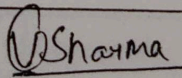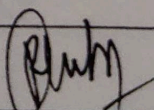
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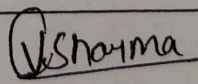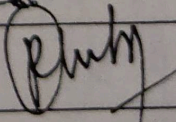
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Criterion	**Poor**	**Average**	**Good**	**Very Good**	**Excellent**
Punctuality/Timely completion of assigned work					✓
Learning capacity/Knowledge up gradation					✓
Performance/Quality of work				✓	
Behaviour/Discipline/Team work				✓	
Sincerity/Hard work					✓
Comment on nature of work done/Area/Topic	Planned about the project and learned Html, CSS and Java Script				
OVERALL GRADE (Any one)	**POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT**				
Name of Industry Mentor	Vishal Sharma				
Signature of Industry Mentor	Sharma				

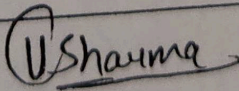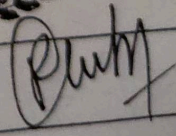| Receiving Date	31/01/24	Name of Faculty Mentor	Dr. R.S. Jadon	Sign	
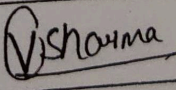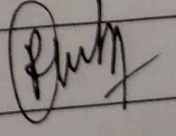
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Criterion	**Poor**	**Average**	**Good**	**Very Good**	**Excellent**
Punctuality/Timely completion of assigned work					✓
Learning capacity/Knowledge up gradation					✓
Performance/Quality of work					✓
Behaviour/Discipline/Team work					✓
Sincerity/Hard work					✓
Comment on nature of work done/Area/Topic	Learned Bootstrap 5 and its components and finalized basics				
OVERALL GRADE (Any one)	**POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT**				
Name of Industry Mentor	Vishal Sharma				
Signature of Industry Mentor	Vsharma				

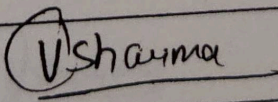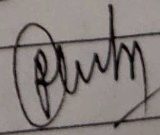| Receiving Date	16/02/24	Name of Faculty Mentor	Dr. R.S. Jadon	Sign	

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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	Setup project environment and created models				

OVERALL GRADE (Any one)	POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT
Name of Industry Mentor	Vishal Sharma
Signature of Industry Mentor	V.Sharma

| Receiving Date | 04/03/24 | Name of Faculty Mentor | Dr. R.S. Jadon | Sign . | |

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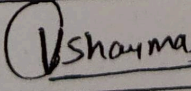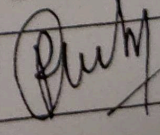## FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY MENTOR

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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	worked on frontend and database of the Project.				
OVERALL GRADE (Any one)	POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT				
Name of Industry Mentor	Vishal Sharma				
Signature of Industry Mentor	VSharma				

Receiving Date	20/03/24	Name of Faculty Mentor	Dr. R.S. Jadon	Sign.	

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Industry/Organization	Growing steps		Date/Duration	16/03/24 – 30/03/24	
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	Completed Login, Registration and Home page				
OVERALL GRADE (Any one)	**POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT**				
Name of Industry Mentor	Vishal Sharma				
Signature of Industry Mentor	V.Sharma			GROWING STEPS	

Receiving Date	30/03/24	Name of Faculty Mentor	Dr. R.S. Jadon	Sign	

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FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY MENTOR

Name of student	BHANU PRATAP SINGH TOMAR		Department	CSE(Program: MCA)	
Industry/Organization	Growing steps		Date/Duration	1/04/24 - 15/04/24	
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	Added add to cart, wishlist functionalities				
OVERALL GRADE (Any one)	POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT				
Name of Industry Mentor	Vishal Sharma				
Signature of Industry Mentor	VSharma				

Receiving Date	15/04/24	Name of Faculty Mentor	Dr. R.S. Jadon	Sign	

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Industry/Organization	Growing steps		Date/Duration	16/04/24 - 22/04/2	
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	Added order functionality and payment module				
OVERALL GRADE (Any one)	POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT				
Name of Industry Mentor	Vishal Sharma				
Signature of Industry Mentor	Vsharma				

| Receiving Date | 22/04/24 | Name of Faculty Mentor | Dr. R.S. Jadon | Sign | |