DEVELOPING A RESPONSIVE WEBSITE FOR AN INTERIOR DESIGN COMPANY

Major project report submitted
in partial fulfillment of the requirement for award of the degree of

Bachelor of Technology
in
Computer Science & Engineering

By

K.AJAYCHARY	(19UECS0434)	**(VTU 15284)**
K.KARTHIK KUMAR REDDY	(19UECS0399)	**(VTU15294)**
Y.SWETHA	(19UECS1072)	**(VTU15945)**

Under the guidance of
SANKAR GANESH.K ,B.E., M.E.,
ASSISTANT PROFESSOR

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
SCHOOL OF COMPUTING

VEL TECH RANGARAJAN DR. SAGUNTHALA R&D INSTITUTE OF SCIENCE & TECHNOLOGY

(Deemed to be University Estd u/s 3 of UGC Act, 1956)
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CERTIFICATE

It is certified that the work contained in the project report titled "DEVELOPING A RESPONSIVE WEBSITE FOR AN INTERIOR DESIGN COMPANY" by K. AJAYCHARY (19UECS0434), K.KARTHIK KUMAR REDDY (19UECS0399), Y.SWETHA (19UECS1072)" has been carried out under my supervision and that this work has not been submitted elsewhere for a degree.

Signature of Supervisor
SANKAR GANESH.K
ASSISTANT PROFESSOR
Computer Science & Engineering
School of Computing
Vel Tech Rangarajan Dr.Sagunthala R&D
Institute of Science & Technology
April, 2023

Signature of Head of the Department
Computer Science & Engineering
School of Computing
Vel Tech Rangarajan Dr. Sagunthala R&D
Institute of Science & Technology
April, 2023

Signature of the Dean
Dr. V. Srinivasa Rao
Professor & Dean
Computer Science & Engineering
School of Computing
Vel Tech Rangarajan Dr. Sagunthala R&D
Institute of Science & Technology
April, 2023

DECLARATION

We declare that this written submission represents my ideas in our own words and where others' ideas or words have been included, we have adequately cited and referenced the original sources. We also declare that we have adhered to all principles of academic honesty and integrity and have not misrepresented or fabricated or falsified any idea/data/fact/source in our submission. We understand that any violation of the above will be cause for disciplinary action by the Institute and can also evoke penal action from the sources which have thus not been properly cited or from whom proper permission has not been taken when needed.

(Signature)

K.AJAYCHARY

Date: / /

(Signature)

K.KARTHIK KUMAR REDDY

Date: / /

(Signature)

Y.SWETHA

Date: / /

APPROVAL SHEET

This project report entitled DEVELOPING A RESPONSIVE WEBSITE FOR AN INTERIOR DESIGN COMPANY) by (K. AJAYCHARY (19UECS0434), K.KARTHIK KUMAR REDDY (19UECS0399), Y.SWETHA (19UECS1072) is approved for the degree of B.Tech in Computer Science & Engineering.

Examiners **Supervisor**

SANKAR GANESH.K, B.E., M.E.,,

Date: / /

Place:

ACKNOWLEDGEMENT

We express our deepest gratitude to our respected **Founder Chancellor and President Col. Prof. Dr. R. RANGARAJAN B.E. (EEE), B.E. (MECH), M.S (AUTO),D.Sc., Foundress President Dr. R. SAGUNTHALA RANGARAJAN M.B.B.S.** Chairperson Managing Trustee and Vice President.

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K.AJAYCHARY **(19UECS0434)**
K.KARTHIK KUMAR REDDY **(19UECS0399)**
Y.SWETHA **(19UECS1072)**

ABSTRACT

The next generation of design environments for creating complex systems, including those that make up contract furniture, is represented by web-enabling technology. The paper presents a CAD-based infrastructure for the 3D visualisation of co-designed solutions, the online customization of furniture items, and the creation of a shared relational database of products, architectural scenes, and knowledge-based rules guiding configuration in the context of web applications to facilitate and support teamwork in collaborative product development.For the management of 3D web representation and product structure, a double-level geometry is offered. To demonstrate the primary platform capabilities and potential benefits for the extensible contract furniture cluster, a use case is used.

Keywords:
CAD computer-aided design
HTML HyperText Markup Language
CSS Cascading Style Sheets
PHP Hypertext Preprocessor

LIST OF FIGURES

LIST OF ACRONYMS AND ABBREVIATIONS

CAD	computer-aided design
HTML	HyperText Markup Language
CSS	Cascading Style Sheet
PHP	Hypertext Preprocessor

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Chapter 1

INTRODUCTION

1.1 Introduction

In the last ten years, internet usage has grown incredibly and quickly. For the majority of businesses and organisations, websites have emerged as the most significant public communication channel. Online interactions between businesses and consumers predominate, and website design is essential for retaining visitors. Users who visit websites that are poorly designed may become frustrated and leave quickly. Website development is similar to home construction in that we consult an architect on plans, building permits, and city licences before beginning construction. Everything must be considered while developing a website, including the requirements for designing, documenting, using the right server and programming language, etc.

1.2 Aim of the project

The project's main goal is to provide high-quality material on our website, update it frequently, build trust, and promote it on other websites and social media.

1.3 Project Domain

Web development is the building and maintenance of websites; it's the work that happens behind the scenes to make a website look great, work fast and perform well with a seamless user experience.Web developers, or 'devs', do this by using a variety of coding languages. The languages they use depends on the types of tasks they are preforming and the platforms on which they are working.Web development skills are in high demand worldwide and well paid too – making development a great career option. It is one of the easiest accessible higher paid fields as you do not need a traditional university degree to become qualified.

A front-end dev takes care of layout, design and interactivity using HTML, CSS and JavaScript. They take an idea from the drawing board and turn it into reality.

What you see and what you use, such as the visual aspect of the website, the drop down menus and the text, are all brought together by the front-end dev, who writes a series of programmes to bind and structure the elements, make them look good and add interactivity. These programmes are run through a browser.

The backend developer engineers what is going on behind the scenes. This is where the data is stored, and without this data, there would be no frontend. The backend of the web consists of the server that hosts the website, an application for running it and a database to contain the data. The backend dev uses computer programmes to ensure that the server, the application and the database run smoothly together. This type of dev need to analyse what a company's needs are and provide efficient programming solutions. To do all this amazing stuff they use a variety of server-side languages, like PHP, Ruby, Python and Java.

1.4 Scope of the Project

Web designers provide scope of work documents to customers that are interested in hiring them for website design and development work. The project summary, project scope, deliverables, project schedule, cost, and critical assumptions are often included in the scope of work document.

Literature Review

[1] Moumena chaqfeh, Russel Coke, Jacinta Hu, Waleed Hashmi., JS Analyzer: A Web Developer Tool for Simplifying Mobile Web Pages through Non-critical JavaScript Elimination ,Volume 16, issue 4, Article no: 4, pp 1-31.,2022

Web designers may easily optimise the use of JavaScript on their pages for mobile devices by using the JS Analyzer tool. It enables users to precisely identify any non-critical parts and produce a simpler page with these elements eliminated. They can then choose activate or disable JavaScript elements and see their impact on the website. According to quantitative analysis, this can lead to a 30 percentage decrease in page load time, a 90 percentage visual resemblance to the original page, a 90 percentage usability and utility score, a 90 percentage boost in Google's lighthouse performance score, and a 90 percentage improvement in performance score overall. Furthermore, JS Analyzer performs better than cutting-edge alternatives in terms of time accelerations and resource savings.

[2] Md. Siam, Rukhsar Khursheed, Ankesh Kumar, Chandan Kumar and Er. Rachna Rajput, " A Review on Web Design and Development", International Journal OF Scientific Development and Research (IJSDR), December 2022

The World Wide Web is the pinnacle of technology for creating a widely dispersed network environment that supports polymorphic communication. In light of this, it ought to be viewed as a paradigm change distinct from preceding network protocols. Instead of merely functioning on desktop, laptop, or mobile devices, web applications design concerns the appearance and implementation of

computer code that operates on internet servers. More than six years ago, when responsive web design first appeared, it gave us a glimpse of the future of our websites: a place where visitors may have fantastic experiences on any device or size of screen.

[3] Rahul Semil., WEB PAGE DESIGNING USING HTML, CSS AND JAVASCRIPT., Volume:04/Issue:05/May-2022., e-ISSN: 2582-5208

This research article examines some significant coding languages and software development techniques utilised during the web development process. The main goal of this task is to use HTML, CSS, and JavaScript to develop an existing self-designed website. The new HTML framework compels material on websites to be strongly segregated.Only the CSS (Cascading fashion Sheets) language can complete a style.A modular layout, or CSS3, is part of the new CSS paradigm, which is CSS3. These specific modules each describe a certain feature of excellent design .Its assistance and functionality in many browsers prevent gender bias in the developmental cycles of male or female modules.Now, a large portion of that effort is going to run out of browsers. By the recently specified interaction configuration, applications may become accepted on these apps.The latter offers multimedia assistance, dynamic picture rendering, a garage for local statistics, and much more.

Chapter 2

PROJECT DESCRIPTION

2.1 Existing System

There are many websites that offer information and inspiration for interior design. Here are some popular ones:

Houzz - Houzz is a leading platform for home remodeling and design. It offers a large collection of interior design photos and ideas, as well as a directory of professionals to help with the design needs.

Decorist - Decorist is an online interior design service that provides personalized design solutions to fit the style and budget.

Apartment Therapy - Apartment Therapy is a lifestyle and interior design website that offers tips and inspiration for small-space living, home organization, and DIY projects.

Design Milk - Design Milk is an online magazine that features modern interior design, architecture, and art. It also covers technology, travel, and lifestyle topics.

Elle Decor - Elle Decor is a well-known print magazine that also has an online presence. It features celebrity homes, designer profiles, and inspiring interiors from around the world.

2.2 Proposed System

A responsive website is a website that is designed and developed to adapt to different screen sizes and devices, such as desktop computers, laptops, tablets, and smartphones. The main goal of a responsive website is to provide the best possible user experience, regardless of the device being used.

Responsive websites use flexible layouts and fluid design elements that adjust automatically to fit the screen size of the device being used. This means that users can access the same content and features on a website regardless of whether they are using a desktop computer, laptop, tablet, or smartphone.

There are many benefits to having a responsive website. For example, responsive websites can help improve user engagement, increase website traffic, improve search engine rankings, and enhance brand visibility. Additionally, responsive websites can help reduce development and maintenance costs by eliminating the need to create separate websites or applications for different devices.

Overall, a responsive website is an essential component of modern web design, as it allows businesses and organizations to reach a wider audience and provide an optimal user experience across all devices.

2.3 Feasibility Study

2.3.1 Economic Feasibility

An economic feasibility study for a responsive website would involve analyzing the costs and benefits associated with designing, developing, and maintaining a website that is optimized for different screen sizes and devices.

Design and Development: The cost of designing and developing a responsive website can vary based on the complexity of the site, the number of pages, and the features included. The cost can range from a few thousand dollars for a basic website to tens of thousands of dollars for a more complex website.

Maintenance: A responsive website requires ongoing maintenance to ensure that it continues to function properly on different devices and browsers. This may include updates to the code, content, and plugins. The cost of maintenance can vary depending on the frequency and extent of updates required.

Hosting: The cost of hosting a responsive website may be higher than hosting a traditional website, as it may require more resources to ensure that the site loads quickly and functions properly on different devices.

2.3.2 Technical Feasibility

A technical feasibility study for a responsive website would typically involve assessing the technical requirements and resources needed to develop a website that can adapt to different devices and screen sizes.

Browser compatibility: The website should be compatible with different browsers and versions. Compatibility testing is required to ensure that the website displays correctly across all platforms.

Screen size adaptability: The website should be designed to be responsive to different screen sizes, including desktops, laptops, tablets, and smartphones.

Image optimization: Images used on the website should be optimized to load quickly and efficiently, without compromising quality.

Content management system (CMS): A CMS such as WordPress or Drupal may be used to manage the website content. The CMS should be chosen based on the website's technical requirements and budget.

Code quality: The website's code should be clean and optimized to ensure fast loading times and good performance.

2.3.3 Social Feasibility

A social feasibility study for a responsive website would involve evaluating how well the website meets the needs of its intended users and how it interacts with the broader social context in which it operates. Here are some key factors to consider:

User Needs: Determine the primary user groups for the website and assess their needs and preferences. Consider factors such as age, gender, cultural background, education level, language proficiency, and digital literacy.

Accessibility: Evaluate the website's accessibility to ensure that it can be used by people with disabilities, including those who are visually or hearing impaired, have mobility impairments, or have cognitive disabilities.

Social Acceptance: Assess the website's social acceptability within the relevant cultural and social contexts. Consider factors such as cultural norms, values, and beliefs, as well as local laws and regulations.

Usability: Evaluate the website's usability to ensure that it is easy to navigate, use, and understand, regardless of the user's level of experience or familiarity with the website.

2.4 System Specification

- Platforms
- Languages
- User Interface
- courses

- security
- support
- integration

2.4.1 Hardware Specification

- Processor: Intel Xeon E5 or higher
- RAM: 16 GB or higher
- Hard Disk Drive: 500 GB or higher
- Bandwidth: 100 Mbps or higher
- Network Interface Card: Gigabit Ethernet

2.4.2 Software Specification

- Operating System: The website will be compatible with various operating systems such as Windows, Mac OS, and Linux.
- Web Server: The website will be hosted on a reliable and scalable web server to ensure high availability and performance. The web server will be Apache, or similar.
- Database: A robust database management system will be used to store user data, course content, and other related information. The database system will be MySQL, PostgreSQL, or similar.
- Programming Language: The website will be developed using programming lan- guages such as HTML, CSS, JavaScript, PHP or Python for server-side scripting. Content Management System: A content management system (CMS) will be used to manage and organize the website content. The CMS will be WordPress or similar.
- Payment Gateway: The website will include a secure payment gateway for students to purchase courses and make payments online. The payment gateway will be Pay- Pal or similar.
- Security: The website will have robust security measures to prevent unauthorized access and data breaches. The security measures will include SSL certificate, fire- walls, and regular security updates.

2.4.3 Standards and Policies

XAMPP

XAMPP is a popular open-source software stack that includes several components required for developing web applications locally. It stands for Cross-Platform (X), Apache (A), MySQL (M), PHP (P), and Perl (P). XAMPP can be installed on Windows, Linux, and macOS, and it provides a simple way to set up a local server environment for testing and development purposes.

Some of the key components of XAMPP include:

- Apache: a web server that is used to serve web pages
- MySQL: a database management system that is used to store and retrieve data
- PHP: a server-side scripting language that is used to create dynamic web pages
- Perl: a programming language that is often used for text processing and system administration tasks
- phpMyAdmin: a web-based tool used for managing MySQL databases

XAMPP is often used by developers who are building web applications using popular content management systems such as WordPress, Drupal, or Joomla. By using XAMPP, developers can test their applications locally before deploying them to a live server.

Visual Studio Code

Visual Studio Code (VS Code) is a free, open-source, cross-platform code editor developed by Microsoft. It is one of the most popular code editors available today and is widely used by developers for building web and mobile applications, as well as other types of software.

Some of the key features of Visual Studio Code include:

- Cross-platform support: VS Code runs on Windows, Linux, and macOS, allowing developers to use the same editor across different operating systems.
- IntelliSense: a powerful code-completion feature that provides context-aware suggestions as developers type their code.
- Debugging: VS Code has built-in debugging tools for a variety of programming languages and frameworks, allowing developers to debug their applications without leaving the editor.

- Extensions: VS Code has a vast library of extensions that can be installed to add new features or support for additional programming languages and frameworks.
- Git integration: VS Code has built-in Git support, allowing developers to perform common Git operations directly from the editor.

VS Code is often used by developers who are building web applications using popular web frameworks such as React, Angular, and Vue. It is also used by developers who are building mobile applications using frameworks such as React Native or Flutter. With its powerful features and vast extension library, Visual Studio Code has become a popular choice for developers across many different programming languages and frameworks.

Chapter 3

METHODOLOGY

3.1 General Architecture

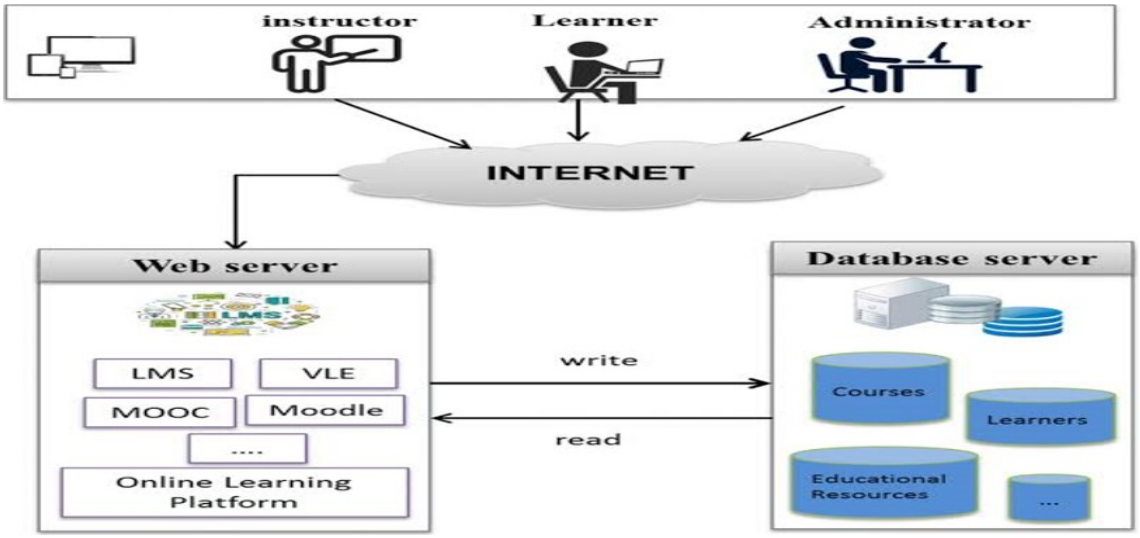

Figure 3.1: **General Architecture**

The General architecture of this website describes that website consists of three sections . user side , web server and database server. The web server and Database server are connected and the user side is connected to web server. Any thing the user interacts will be done in web server and parallely in Database.

3.2 Design Phase

3.2.1 Data Flow Diagram

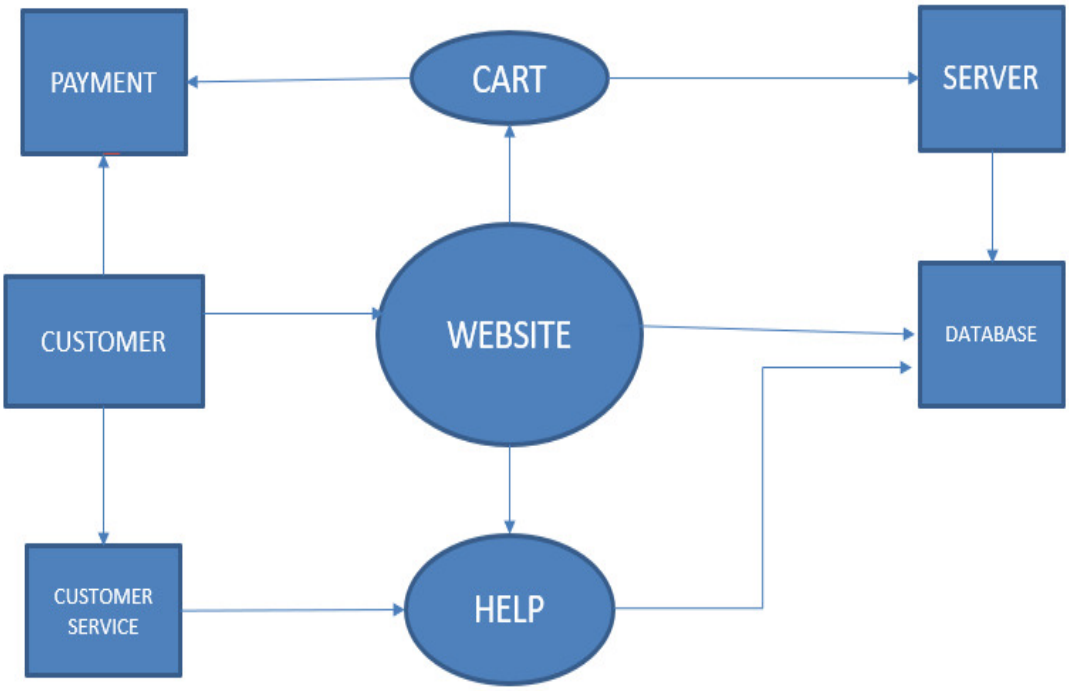

Figure 3.2: **Data Flow Diagram**

This DFD depicts the flow of data and information within the front-end and back-end servers in greater detail. The web browser sends HTTP requests to the front-end server, which may process the requests before sending them to the back-end server. Before sending requests to the database server, the back-end server may use an application server to perform additional processing. The database server sends data to the back-end server, which may use the application server before returning data to the front-end server and, finally, to the user.

3.2.2 Use Case Diagram

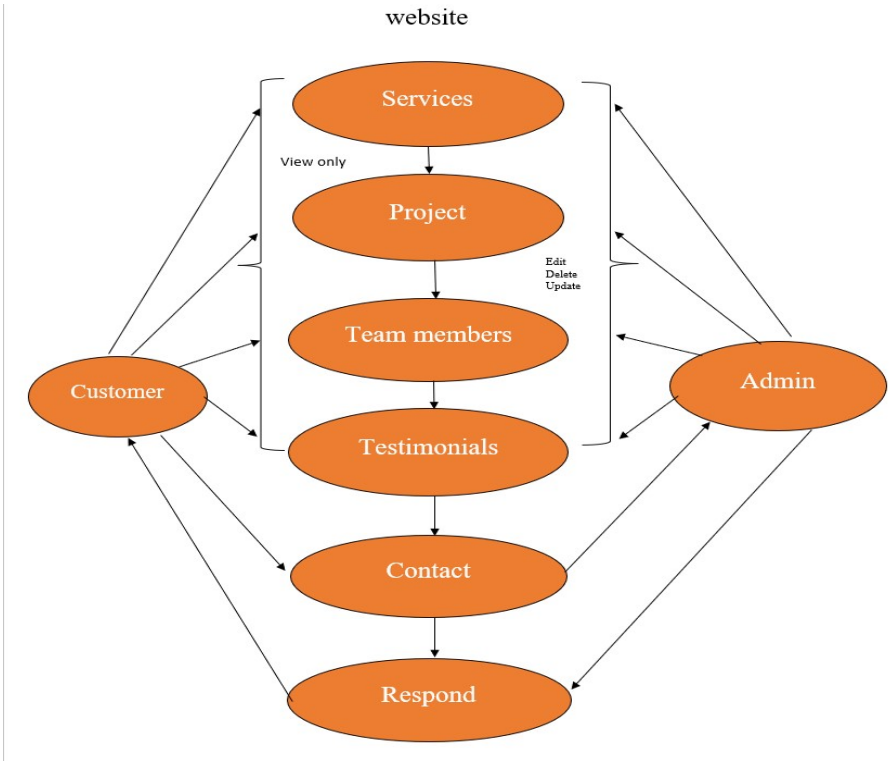

Figure 3.3: **Use Case Diagram**

3.2.3 Class Diagram

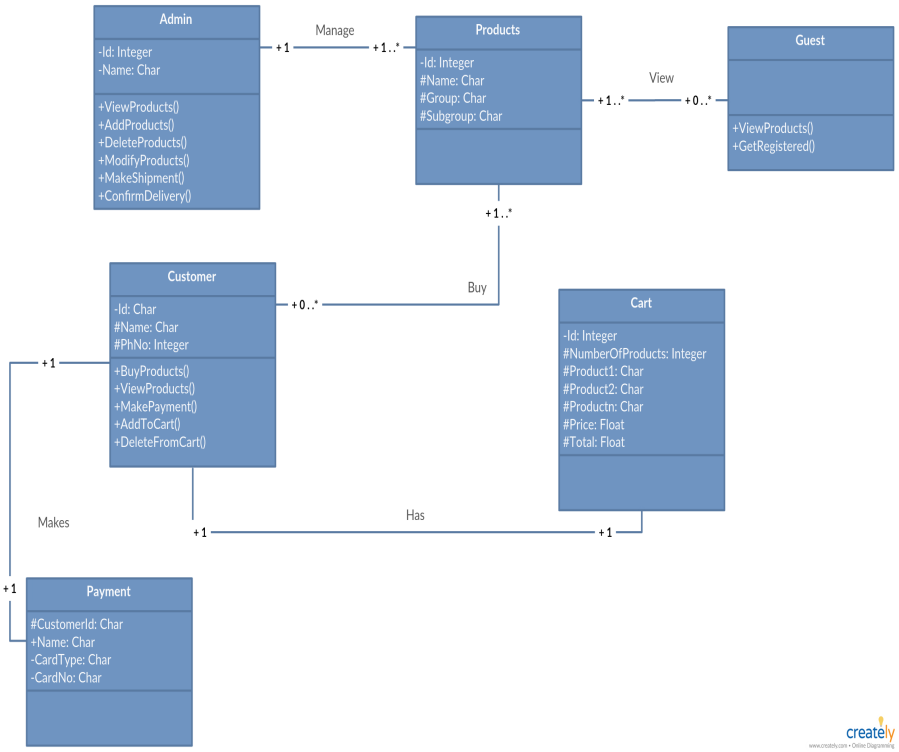

Figure 3.4: **Class Diagram**

3.2.4 Sequence Diagram

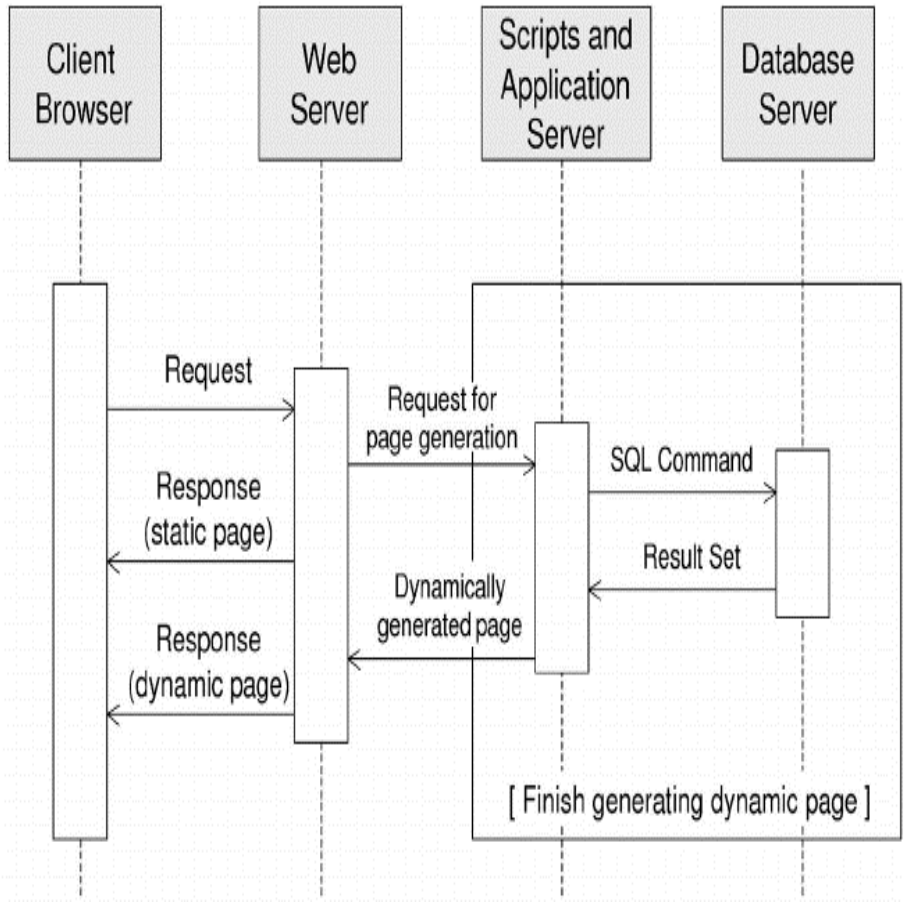

Figure 3.5: **Sequence Diagram**

The user interacts with the application's user interface (UI) and starts a request. The HTTP protocol is used to transmit the request to the server (back-end). In order to retrieve the required data, the server executes the request and communicates with the database layer. The server analyses the information and produces a response. HTML, CSS, and JavaScript are used to transmit the solution back to the user interface (front end). The response is rendered by the UI (front-end) and shown to the user. The procedure is repeated as the user engages with the UI (front-end) and sends another request.

3.2.5 Collaboration diagram

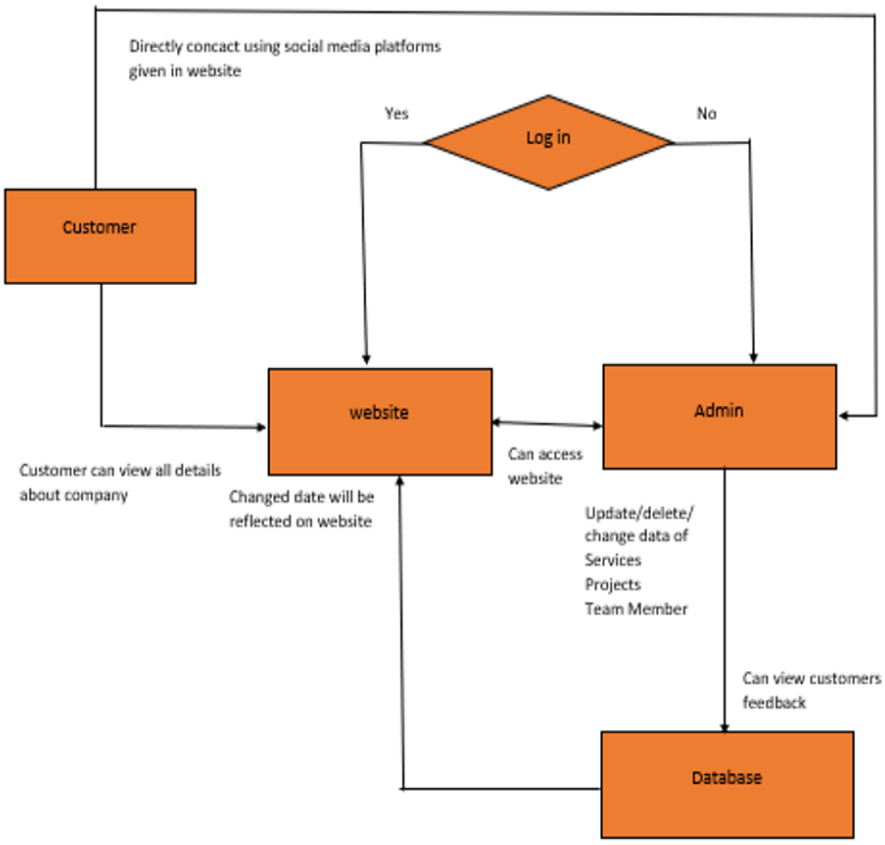

Figure 3.6: **Collaboration Diagram**

3.2.6 Activity Diagram

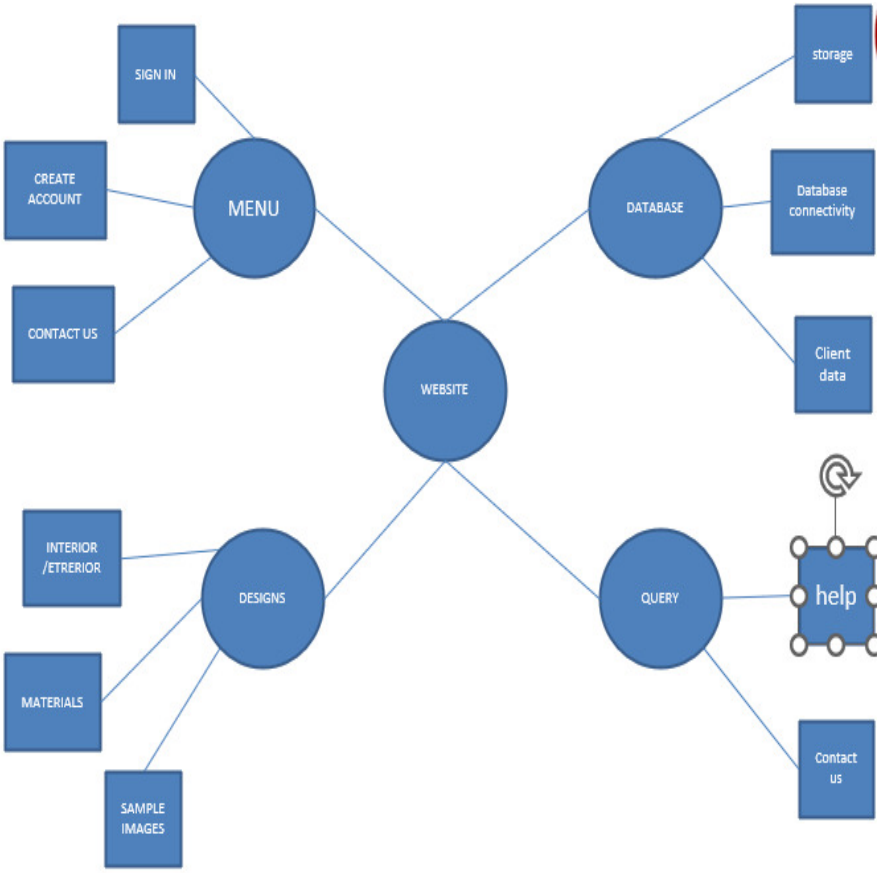

Figure 3.7: **Activity Diagram**

A specific kind of UML diagram known as a ”activity diagram” displays the progression of the tasks, procedures, and flows that make up a process or system. An activity diagram can be used to illustrate the high-level steps in constructing a web application from the front-end to the back-end in the context of full-stack development. Analysis and Planning, Front-end Development,Back-end Development,Testing and Integration,Deployment.The high-level procedure for each of these activities can be divided into more compact sub-activities. Full-stack developers can see the steps involved in creating a web application

3.3 Algorithm & Pseudo Code

3.3.1 Algorithm

- 1. Determining what the website is going to be about, who the target audience is, and what actions want visitors to take on the site.
- 2. Plan the structure and content:Creating a site map to organize the pages and content on the website. Determining what information will be included on each page, and how it will be presented.
- 3. Design the website: Creating a visual design for our website that reflects our brand and appeals to our target audience. This involves selecting colors, fonts, and images, and designing the layout and navigation of the site.
- 4.Develop the website: Use a programming language such as HTML, CSS, and JavaScript to build the website
- 5. Test the website: Make sure the website works properly and is user-friendly. Test it on different browsers and devices to ensure compatibility.
- 6. Launch the website: Publish the website on a web server and make it accessible to the public.
- 7.Maintain and update the website: Regularly update the content and design of the website to keep it fresh and relevant. This includes fixing any bugs and optimizing the site for search engines.

3.3.2 Pseudo Code

BEGIN
DEFINE the Website Structure
DEFINE the Website Design
DEFINE the Website Content
DEFINE the Website Functionality
IF Website Structure is not defined THEN Define Website Structure IF Website Design is not defined THEN Define Website Design IF Website Content is not defined THEN Define Website Content IF Website Functionality is not defined THEN Define Website Functionality
WRITE Code for Website Structure

WRITE Code for Website Design
WRITE Code for Website Content
WRITE Code for Website Functionality
TEST Website Structure
TEST Website Design
TEST Website Content
TEST Website Functionality
IF Tests Pass THEN
Website developed
ELSE
DEBUG Website
END IF
END

3.4 Module Description

3.4.1 Collecting the Data

Frontend development is the process of creating HTML, CSS, and JavaScript code for a website so that a user may view and interact with a product. It is used in the context of web development. You may access and work with databases using PHP.The most often used database for PHP is MySQL.
Information about website needs, such as determining the amount of pages, is included. as well as organising the material according to the pages and gathering the information needed for various areas. Collection of images according to the requirement. Creating all of them with the appropriate layout, background colours, and fonts.

3.4.2 Deciding the order of sections in a page

Nav bar, Banner, About, Services, Projects, Team, Contact, Footer .

3.4.3 Creating database

By using XAMPP control panel we can create the database using tables and can store the information about the login, projects and teams details. Here we use PHP for creating dynamic websites and applications. MySQL is the popular database system used in PHP so we use MySQL for this website.

3.4.4 Connection of database to the frontend

By using various commands we will connect database to the main website.

3.5 Steps to execute/run/implement the project

3.5.1 XAMPP

- Open the xampp control panel and start the apache and MYSQL.

3.5.2 Open the website using Local Host

- After successful start of apache and mysql, We need to open the website link which links with xampp control panel.
- Search Localhost/ (folder name)/ (file name)

3.5.3 Explore the website

- Explore the admin page and registration pages using navigation icons.
- Thus the website for an interior design company website is developed

Chapter 4

IMPLEMENTATION AND TESTING

4.1 Input and Output

4.1.1 Input Design

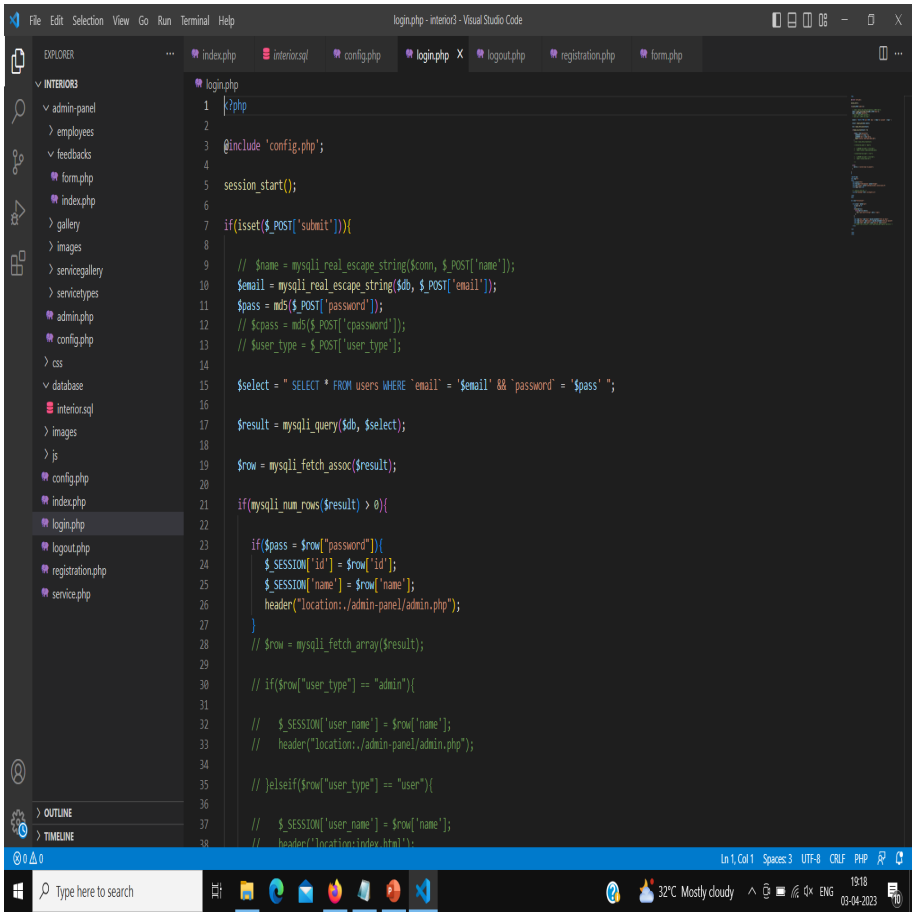

Figure 4.1: **input image**

4.1.2 Output Design

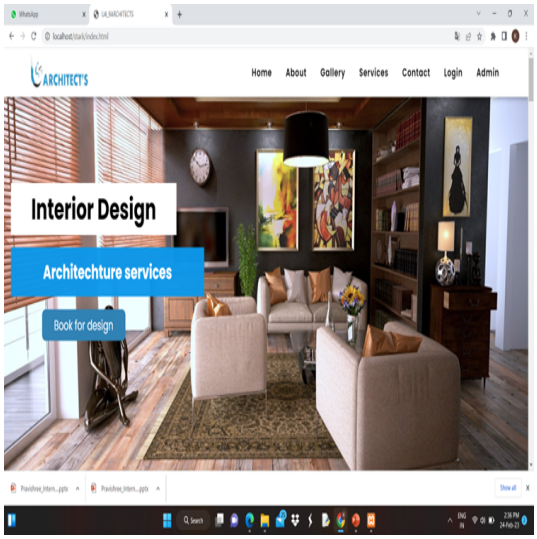

Figure 4.2: **output image**

4.2 Testing

4.3 Types of Testing

4.3.1 Unit testing

Input

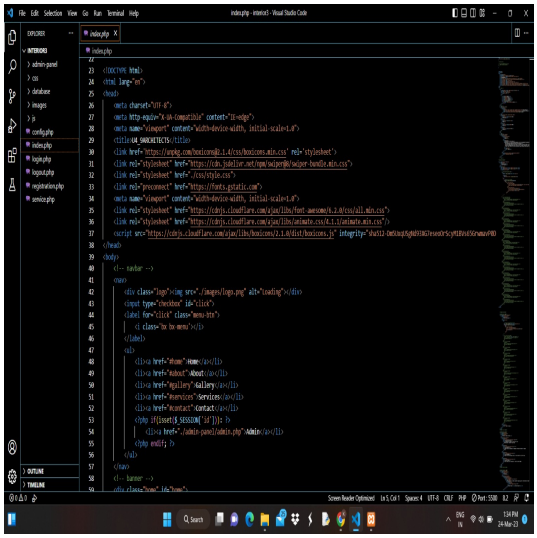

Figure 4.3: **Unit testing**

Test result

4.3.2 Integration testing

Input

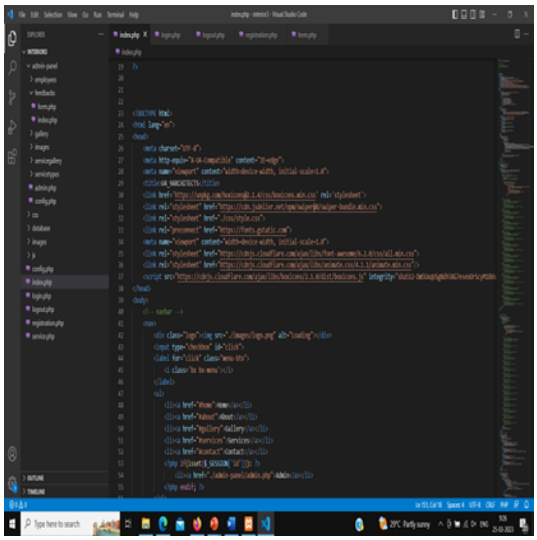

Figure 4.4: **Integration Testing**

Test result

4.3.3 System testing

Input

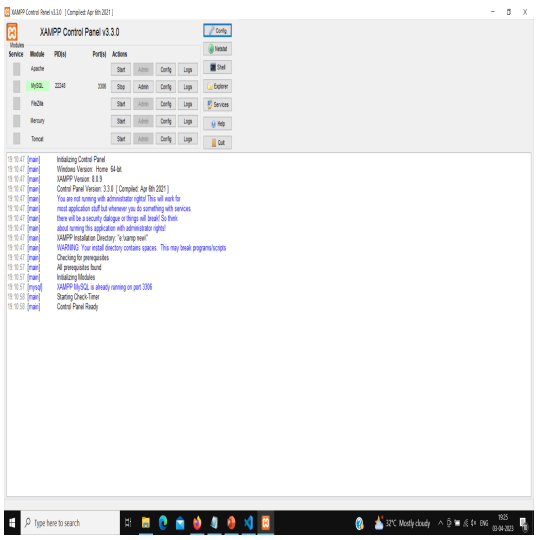

Figure 4.5: **system Testing**

Test Result

4.3.4 Test Result

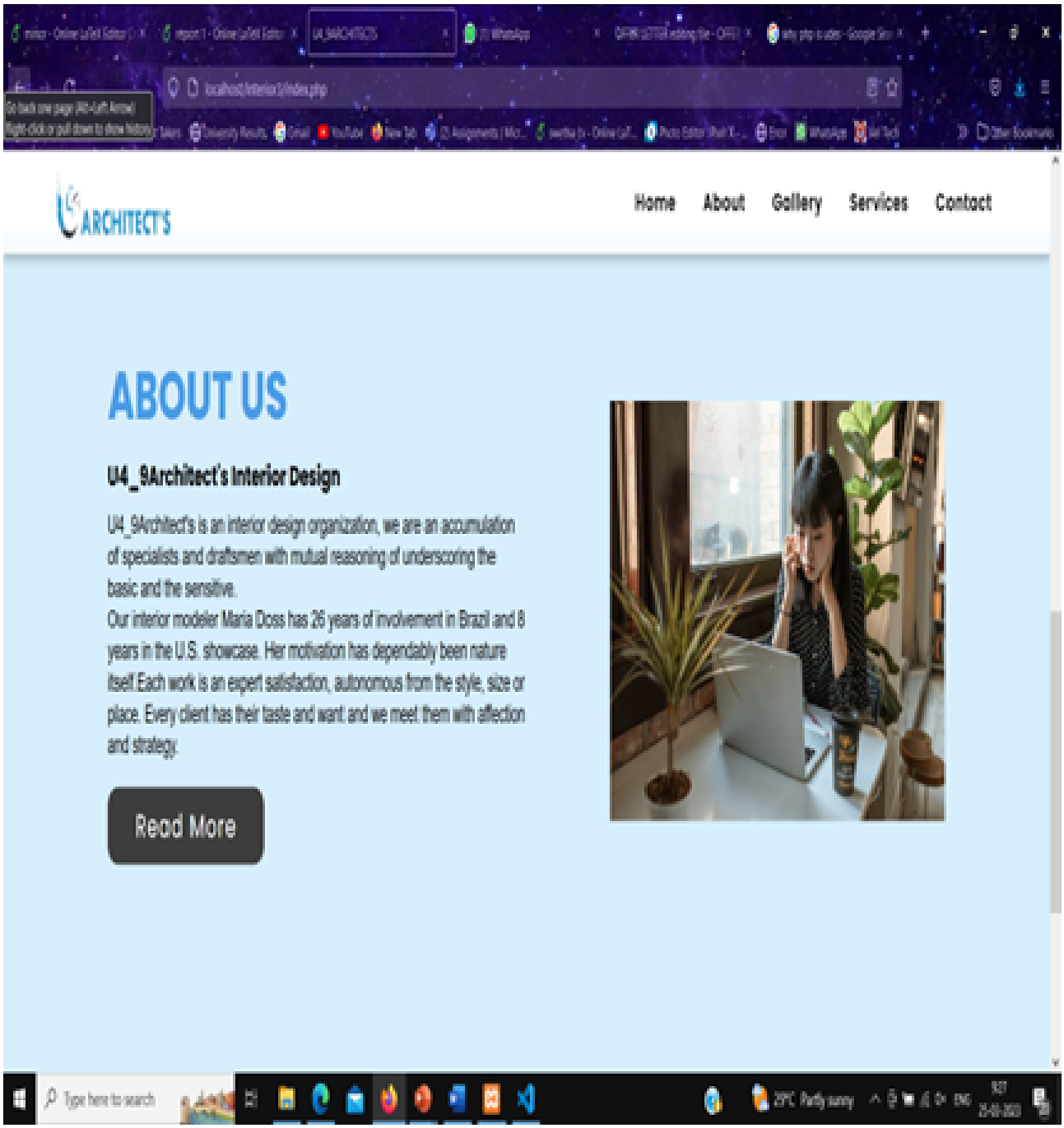

Figure 4.6: **Test Image**

Chapter 5

RESULTS AND DISCUSSIONS

5.1 Efficiency of the Proposed System

The main difference between responsive and a normal website development lies in the approach to designing and developing the website.

A normal website development approach involves designing a website for a specific screen size, usually for desktop computers. The website may not be optimized for other screen sizes such as mobile devices, which can result in distorted or poorly displayed content on smaller screens. In some cases, separate websites may be developed for different screen sizes, leading to additional development and maintenance costs.

On the other hand, responsive website development involves designing a website to adapt to different screen sizes. The website design and layout are coded in a way that allows the content to adjust automatically to fit the screen size of the device being used. This approach ensures that the website is user-friendly and visually appealing on any device, including desktops, laptops, tablets, and smartphones.

In summary, the key difference between responsive and a normal website development is that responsive websites are designed to adapt to different screen sizes, while normal websites are designed for a specific screen size, usually for desktop computers. Responsive website development provides a more user-friendly experience and can save time and money in development and maintenance costs.

5.2 Sample Code

```
CODE:

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>U4_9ARCHITECTS</title>
    <link href='https://unpkg.com/boxicons@2.1.4/css/boxicons.min.css' rel='stylesheet'>
    <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/swiper@8/swiper-bundle.min.css">
    <link rel="stylesheet" href="./css/style.css">
    <link rel="preconnect" href="https://fonts.gstatic.com">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.2.0/css/all.
        min.css">
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/animate.css/4.1.1/animate.
        min.css"/>
    <script src="https://cdnjs.cloudflare.com/ajax/libs/boxicons/2.1.0/dist/boxicons.js" integrity="
        sha512-
        Dm5UxqUSgNd93XG7eseoOrScyM1BVs65GrwmavP0D0DujOA8mjiBfyj71wmI2VQZKnnZQsSWWsxDKNiQIqk8sQ=="
        crossorigin="anonymous" referrerpolicy="no-referrer"></script>
</head>
<body>
    <!-- navbar -->
    <nav>
        <div class="logo"><img src="./images/logo.png" alt="Loading"></div>
        <input type="checkbox" id="click">
        <label for="click" class="menu-btn">
            <i class='bx bx-menu'></i>
        </label>
        <ul>
```

Output

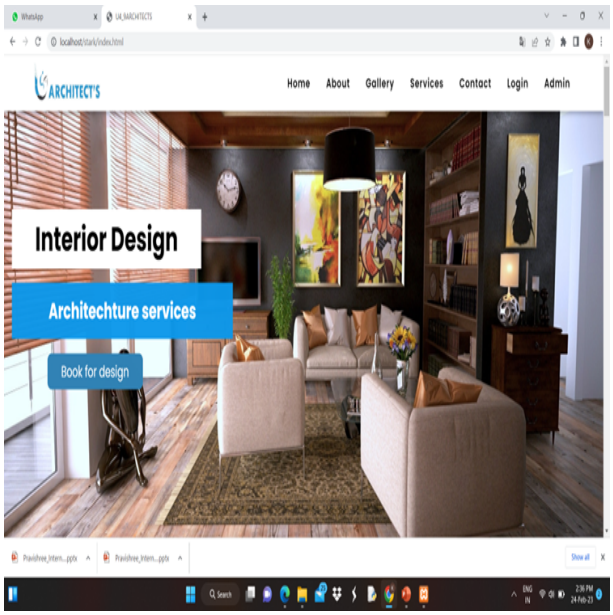

Figure 5.1: **Output 1**

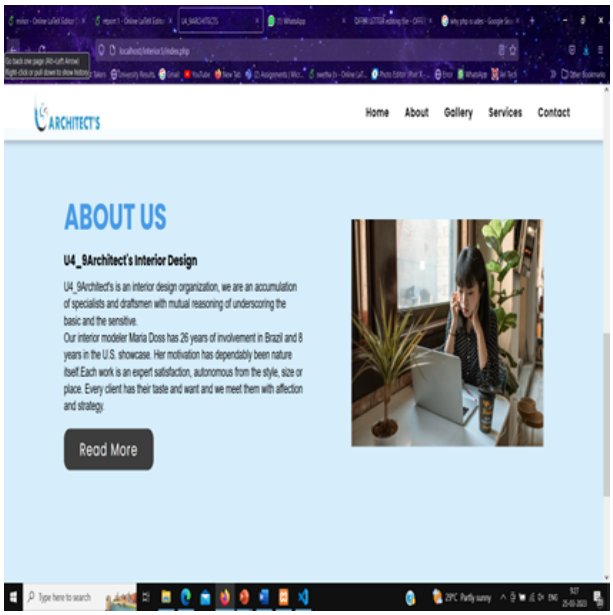

Figure 5.2: **Output 2**

Chapter 6

CONCLUSION AND FUTURE ENHANCEMENTS

6.1 Conclusion

In conclusion, responsive website development is a design approach that ensures a website can adapt and respond to various screen sizes and devices. It offers numerous benefits, such as improved user experience, better SEO, reduced maintenance costs, increased conversion rates, and a consistent brand image across different devices.

With more people accessing the internet from their mobile devices, having a responsive website is becoming increasingly essential for businesses to reach their target audience effectively. It allows businesses to provide a seamless browsing experience to their customers, regardless of the device they are using.

Therefore, if you're looking to develop a website that is optimized for all screen sizes, responsive website development is the way to go. It's a cost-effective, efficient, and user-friendly approach that can help our business achieve its online goals and stand out in today's digital world.

6.2 Future Enhancements

There are several enhancements that can be implemented to make our responsive website development even better. Here are some suggestions:
Improve page speed: Website loading speed is crucial for user engagement and conversions. You can improve page speed by optimizing images, using caching, minifying code, and reducing server response time.
Use responsive images: Images are an integral part of any website. You can use responsive images that adapt to different screen sizes and resolutions. This will help improve the performance of our website and provide a better user experience.
Implement lazy loading: Lazy loading is a technique that loads only the images and

content that are visible on the user's screen. This can significantly reduce page load times and improve the overall user experience.
Incorporate mobile-first design: With more and more users accessing the internet via mobile devices, it is essential to incorporate mobile-first design principles. This means designing website for mobile devices first and then scaling up to larger screens.
Use CSS media queries: CSS media queries allow you to create responsive designs that adapt to different screen sizes and resolutions. You can use media queries to adjust font sizes, spacing, and other design elements based on screen size.
Test website on multiple devices: It is important to test our website on different devices to ensure that it is responsive and functions properly. You can use tools like BrowserStack or Responsive Design Checker to test our website on different devices.
Improve accessibility: Accessibility is essential for users with disabilities. You can enhance our website's accessibility by using alt tags for images, providing text descriptions for videos, and ensuring that our website is compatible with screen readers

Chapter 7

INDUSTRY DETAILS

7.1 Infinity Connects Media

7.1.1 Duration of Internship ((28th Dec,2022 -22-Apr 23)

7.1.2 Duration of Internship in months : 4 Months

7.1.3 Industry Address : : Flat no 503, AK LAKSHMI NIVAS, Sirigudi Nagar, near pola-mamba temple, opp sbi road, yandada, Visakhapatnam 530045.

7.2 Internship offer letter

OFFER LETTER

Frontend Designing
Re: Infinity Connects Media,
Dear **Kotha Karthik Kumar Reddy,**
On behalf of Infinity Connects Media, I am pleased to offer you employment in the position of Website Designer & Developer starting on **(06-Jan-2023)**. In that position, you will report to the Managing Director.
Every month you will be credited 5000/- INR
Every Month by 07 your salary/stipend will be credited to your account. I request you to please submit your account details and passbook to us at Xerox or online.

The Internship offer letter will be valid for **4 Months** on the date of **30 April-2023.**
1 Month Training & 3 Months Internship.

At-Will Employment: Your employment with the Company is "at will," and thus you or the Company may terminate our employment relationship at any time, with or without cause or advance notice. The Company reserves the right, in its sole discretion, to change your compensation and/or employee benefits at any time on a prospective basis.

Additional Agreements: As a condition of your employment, you agree to execute any additional agreements required by the Company at the start of your employment. This includes any agreements that relate to your confidentiality or intellectual property assignment obligations to the Company. You further agree that you will be bound by and will fully comply with these additional agreements at all times during your employment (and afterward as applicable).

Contingencies: This offer is contingent upon the successful completion of any background or reference checks requested by the Company. For purposes of identification employment laws, you will be required to provide to the Company documentary evidence of your identity and eligibility for employment in the Our Company. Such documentation must be provided to us within three business days following the start of your employment, or our employment relationship with you may be terminated.
Additional Terms and Conditions of Offer: [Additional Terms]

Entire Agreement: This employment agreement, along with the Confidentiality Agreement, sets forth the terms and conditions of your employment with the Company, and supersedes any prior representations or agreements concerning your employment with the Company, whether written or oral. You acknowledge and agree that you are not relying on any statements or representations concerning the Company or your employment with the Company except those made in this agreement. This employment agreement may not be modified or amended except by a written agreement signed by you and an authorised officer of the Company.

This offer of employment will expire within 05 days at 5:00 pm.
Kotha Karthik Kumar Reddy, we are excited by the prospect of you joining the Company. Sincerely,
INFINITY CONNECTS MEDIA

Signature
Name: **Kotha Karthik Kumar Reddy**
Title: Frontend Developer

Figure 7.1: **Karthik**

OFFER LETTER

Frontend Designing
Re: Infinity Connects Media,
Dear **Ajaychary Kandukuri,**
On behalf of Infinity Connects Media, I am pleased to offer you employment in the position of Website Designer & Developer starting on **(06-Jan-2023)**. In that position, you will report to the Managing Director.
Every month you will be credited 5000/- INR
Every Month by 07 your salary/stipend will be credited to your account. I request you to please submit your account details and passbook to us at Xerox or online.

The Internship offer letter will be valid for **4 Months** on the date of **30 April-2023.**
1 Month Training & 3 Months Internship.

At-Will Employment: Your employment with the Company is "at will," and thus you or the Company may terminate our employment relationship at any time, with or without cause or advance notice. The Company reserves the right, in its sole discretion, to change your compensation and/or employee benefits at any time on a prospective basis.

Additional Agreements: As a condition of your employment, you agree to execute any additional agreements required by the Company at the start of your employment. This includes any agreements that relate to your confidentiality or intellectual property assignment obligations to the Company. You further agree that you will be bound by and will fully comply with these additional agreements at all times during your employment (and afterward as applicable).

Contingencies: This offer is contingent upon the successful completion of any background or reference checks requested by the Company. For purposes of identification employment laws, you will be required to provide to the Company documentary evidence of your identity and eligibility for employment in the Our Company. Such documentation must be provided to us within three business days following the start of your employment, or our employment relationship with you may be terminated.
Additional Terms and Conditions of Offer: [Additional Terms]

Entire Agreement: This employment agreement, along with the Confidentiality Agreement, sets forth the terms and conditions of your employment with the Company, and supersedes any prior representations or agreements concerning your employment with the Company, whether written or oral. You acknowledge and agree that you are not relying on any statements or representations concerning the Company or your employment with the Company except those made in this agreement. This employment agreement may not be modified or amended except by a written agreement signed by you and an authorised officer of the Company.

This offer of employment will expire within 05 days at 5:00 pm.
Ajaychary Kandukuri, we are excited by the prospect of you joining the Company. Sincerely,
INFINITY CONNECTS MEDIA

Signature
Name: **Ajaychary Kandukuri**
Title: Frontend Developer

Figure 7.2: **Ajaychary**

OFFER LETTER

Frontend Designing
Re: Infinity Connects Media,
Dear **YANAMANDHALLA SWETHA,**
On behalf of Infinity Connects Media, I am pleased to offer you employment in the position of Website Designer & Developer starting on (**06-Jan-2023**). In that position, you will report to the Managing Director.
Every month you will be credited 5000/- INR
Every Month by 07 your salary/stipend will be credited to your account. I request you to please submit your account details and passbook to us at Xerox or online.

The Internship offer letter will be valid for **4 Months** on the date of **30 April-2023.**
1 Month Training & 3 Months Internship.

At-Will Employment: Your employment with the Company is "at will," and thus you or the Company may terminate our employment relationship at any time, with or without cause or advance notice. The Company reserves the right, in its sole discretion, to change your compensation and/or employee benefits at any time on a prospective basis.

Additional Agreements: As a condition of your employment, you agree to execute any additional agreements required by the Company at the start of your employment. This includes any agreements that relate to your confidentiality or intellectual property assignment obligations to the Company. You further agree that you will be bound by and will fully comply with these additional agreements at all times during your employment (and afterward as applicable).

Contingencies: This offer is contingent upon the successful completion of any background or reference checks requested by the Company. For purposes of identification employment laws, you will be required to provide to the Company documentary evidence of your identity and eligibility for employment in the Our Company. Such documentation must be provided to us within three business days following the start of your employment, or our employment relationship with you may be terminated.
Additional Terms and Conditions of Offer: [Additional Terms]

Entire Agreement: This employment agreement, along with the Confidentiality Agreement, sets forth the terms and conditions of your employment with the Company, and supersedes any prior representations or agreements concerning your employment with the Company, whether written or oral. You acknowledge and agree that you are not relying on any statements or representations concerning the Company or your employment with the Company except those made in this agreement. This employment agreement may not be modified or amended except by a written agreement signed by you and an authorised officer of the Company.

This offer of employment will expire within 05 days at 5:00 pm.
YANAMANDHALLA SWETHA, we are excited by the prospect of you joining the Company. Sincerely,
INFINITY CONNECTS MEDIA

Signature
Name: **YANAMANDHALLA SWETHA**
Title: Frontend Developer

Figure 7.3: **Swetha**

7.3 Project Commencement Form

7.4 Internship Completion certificate

Chapter 8

PLAGIARISM REPORT

ATTACH ONLY SUMMARY PAGE OF PLAGIARISM REPORT

Chapter 9

SOURCE CODE & POSTER PRESENTATION

9.1 Source Code

```
1
2  <!DOCTYPE html>
3  <html lang="en">
4  <head>
5      <meta charset="UTF-8">
6      <meta http-equiv="X-UA-Compatible" content="IE=edge">
7      <meta name="viewport" content="width=device-width, initial-scale=1.0">
8      <title>U4_9ARCHITECTS</title>
9      <link href='https://unpkg.com/boxicons@2.1.4/css/boxicons.min.css' rel='stylesheet'>
10     <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/swiper@8/swiper-bundle.min.css">
11     <link rel="stylesheet" href="./css/style.css">
12     <link rel="preconnect" href="https://fonts.gstatic.com">
13     <meta name="viewport" content="width=device-width, initial-scale=1.0">
14     <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.2.0/css/all.
           min.css">
15     <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/animate.css/4.1.1/animate.
           min.css"/>
16     <script src="https://cdnjs.cloudflare.com/ajax/libs/boxicons/2.1.0/dist/boxicons.js" integrity="
           sha512-
           Dm5UxqUSgNd93XG7eseoOrScyM1BVs65GrwmavP0D0DujOA8mjiBfyj71wmI2VQZKnnZQsSWWsxDKNiQIqk8sQ=="
           crossorigin="anonymous" referrerpolicy="no-referrer"></script>
17 </head>
18 <body>
19     <!-- navbar -->
20     <nav>
21         <div class="logo"><img src="./images/logo.png" alt="Loading"></div>
22         <input type="checkbox" id="click">
23         <label for="click" class="menu-btn">
24             <i class='bx bx-menu'></i>
25         </label>
26         <ul>
27             <li><a href="#home">Home</a></li>
28             <li><a href="#about">About</a></li>
29             <li><a href="#gallery">Gallery</a></li>
30             <li><a href="#services">Services</a></li>
```

```
            <li><a href="#contact">Contact</a></li>
            <?php if(isset($_SESSION['id'])): ?>
                <li><a href="./admin-panel/admin.php">Admin</a></li>
            <?php endif; ?>
        </ul>
    </nav>
    <!-- banner -->
    <div class="home" id="home">
        <div class="hero">
            <div class="col">
                <h1 class="text1 animate__animated animate__fadeInDown animate__faster">Interior
                    Design</h1>
                <h3 class="text2 animate__animated animate__fadeInDown animate__fast">Architechture
                    services</h3>
                <a href="#" class="animate__animated animate__fadeInDown">Book for design</a>
            </div>
        </div>
    <div class="counting animate__animated animate__ZoomIn">
        <div class="box">
            <h1 class="count" data-count="1200">1200</h1>
            <h3>Working hours</h3>
        </div>
        <div class="box">
            <h1 class="count" data-count="15">15</h1>
            <h3>Awards</h3>
        </div>
        <div class="box">
            <h1 class="count" data-count="1000">1000</h1>
            <h3>Clients</h3>
        </div>
        <div class="box">
            <h1 class="count" data-count="840">840</h1>
            <h3>Projects</h3>
        </div>
    </div>
    </div>
    <!-- about -->
    <div class="about" id="about">
        <div class="container1">
            <div class="content-section">
                <div class="title">
                    <h1>About Us</h1>
                </div>
                <div class="content">
                    <h3>U4_9Architect's Interior Design</h3>
                    <p>U4_9Architect's is an interior design organization, we are an accumulation of
                        specialists and draftsmen with
                    mutual reasoning of underscoring the basic and the sensitive.<br>
                    Our interior modeler Maria Doss has 26 years of involvement in Brazil and 8
                        years in the U.S. showcase. Her
```

```
                        motivation has dependably been nature itself.Each work is an expert
                            satisfaction, autonomous from the style, size
                        or place. Every client has their taste and want and we meet them with
                            affection and strategy.
                    </p>
                    <div class="button">
                        <a href="">Read More</a>
                    </div>
                </div>
            </div>
            <div class="image-section animate__animated animate__fadeInLeft">
                <img src="./images/about1.jpeg" alt="">
            </div>
        </div>
    </div>
    <!-- /about -->

<!--@@@@ projects @@@@-->

<section class="projects" id="gallery">
    <div class="title">
        <h3>Trending Projects</h3>
        <a href="#">See all ></a>
    </div>
    <div class="project">
        <button class="pre-btn"><img src="./images/arrow.png" alt=""></button>
        <button class="nxt-btn"><img src="./images/arrow.png" alt=""></button>
        <div class="project-container">

            <!-- fetch data from gallery table -->
            <?php
                $gallery = mysqli_query($db,"SELECT * FROM `gallery`");

                if(!$gallery){
                    die("Connection Failed!!!".mysqli_connect_error());
                }
                else{
                    // read data as rows from data
                    while($row = mysqli_fetch_assoc($gallery)){
                        echo"
                            <div class='project-card'>
                                <div class='project-image'>
                                    <img src='./admin-panel/gallery/db_images/$row[image]' class='
                                        project-thumb' alt=''>
                                    <button class='card-btn'>add to wishlist</button>
                                </div>
                                <div class='project-info'>
                                    <h2 class='project-brand'>$row[name]</h2>
                                    <p class='project-short-description'>$row[discription]</p>
                                    <span class'dimention'>$row[size]</span>
```

```
                        </div>
                    </div>
                    ";
                }
            }
        ?>
         <!--<div class="project-card">
            <div class="project-image">
                <img src="./images/trend1.jpg" class="project-thumb" alt="">
                <button class="card-btn">add to wishlist</button>
            </div>
            <div class="project-info">
                <h2 class="project-brand">brand</h2>
                <p class="project-short-description">a short line about the cloth..</p>
                <span class="dimention">23*6</span>
            </div>
        </div>
        <div class="project-card">
            <div class="project-image">
                <img src="./images/trend2.jpg" class="project-thumb" alt="">
                <button class="card-btn">add to wishlist</button>
            </div>
            <div class="project-info">
                <h2 class="project-brand">brand</h2>
                <p class="project-short-description">a short line about the cloth..</p>
                <span class="dimention">23*6</span>
            </div>
        </div>
        <div class="project-card">
            <div class="project-image">
                <img src="./images/trend3.jpg" class="project-thumb" alt="">
                <button class="card-btn">add to wishlist</button>
            </div>
            <div class="project-info">
                <h2 class="project-brand">brand</h2>
                <p class="project-short-description">a short line about the cloth..</p>
                <span class="dimention">23*6</span>
            </div>
        </div>
        <div class="project-card">
            <div class="project-image">
                <img src="./images/trend4.jpg" class="project-thumb" alt="">
                <button class="card-btn">add to wishlist</button>
            </div>
            <div class="project-info">
                <h2 class="project-brand">brand</h2>
                <p class="project-short-description">a short line about the cloth..</p>
                <span class="dimention">23*6</span>
            </div>
        </div>
```

```
<div class="project-card">
    <div class="project-image">
    <img src="./images/trend5.jpg" class="project-thumb" alt="">
        <button class="card-btn">add to wishlist</button>
    </div>
    <div class="project-info">
        <h2 class="product-brand">brand</h2>
        <p class="product-short-description">a short line about the cloth..</p>
        <span class="dimention">23*6</span>
    </div>
</div>
<div class="project-card">
    <div class="project-image">
        <img src="./images/trend6.jpg" class="project-thumb" alt="">
        <button class="card-btn">add to wishlist</button>
    </div>
    <div class="project-info">
        <h2 class="project-brand">brand</h2>
        <p class="project-short-description">a short line about the cloth..</p>
        <span class="dimention">23*6</span>
    </div>
</div>
<div class="project-card">
    <div class="project-image">
        <img src="./images/trend7.jpg" class="project-thumb" alt="">
        <button class="card-btn">add to wishlist</button>
    </div>
    <div class="project-info">
        <h2 class="project-brand">brand</h2>
        <p class="project-short-description">a short line about the cloth..</p>
        <span class="dimention">23*6</span>
    </div>
</div>
<div class="project-card">
    <div class="project-image">
        <img src="./images/trend8.jpg" class="project-thumb" alt="">
        <button class="card-btn">add to wishlist</button>
    </div>
    <div class="project-info">
        <h2 class="project-brand">brand</h2>
        <p class="project-short-description">a short line about the cloth..</p>
        <span class="dimention">23*6</span>
    </div>
</div>
<div class="project-card">
    <div class="project-image">
        <img src="./images/trend9.jpg" class="project-thumb" alt="">
        <button class="card-btn">add to wishlist</button>
    </div>
    <div class="project-info">
```

```
                    <h2 class="project-brand">brand</h2>
                    <p class="project-short-description">a short line about the cloth..</p>
                    <span class="dimention">23*6</span>
                </div>
            </div>
            <div class="project-card">
                <div class="project-image">
                    <img src="./images/trend10.jpg" class="project-thumb" alt="">
                    <button class="card-btn">add to wishlist</button>
                </div>
                <div class="project-info">
                    <h2 class="project-brand">brand</h2>
                    <p class="project-short-description">a short line about the cloth..</p>
                    <span class="dimention">23*6</span>
                </div>
            </div> -->
        </div>
    </div>
</section>



    <!--@@@@ projects @@@@-->

    <!--@@@@  services  @@@@-->
    <section class="services" id="services">
        <div class="service-container">
            <div class="title-s">
                <h3>End-to-End Services</h3>
            </div>
            <div class="service">
                <?php

                    // fetch data from typesofservice table
                    $sql = mysqli_query($db,"SELECT * FROM `typesofservice`");
                    while($row = mysqli_fetch_assoc($sql)){
                        echo"
                        <div class='service-image'>
                            <a href='./service.php?id=$row[id]'>
                            <img src='./admin-panel/servicetypes/db_images/$row[image]'>
                            <h3><br>$row[name]</h3>
                            </a>
                        </div>
                        ";
                    }
                ?>
```

9.2 Poster Presentation

Figure 9.1: **Output 2**

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FORMAT:Author(s)name (Year).Title, Journal name, Volume, Issue, Pageno.

General Instructions

- Cover Page should be printed as per the color template and the next page also should be printed in color as per the template
- **Wherever Figures applicable in Report , that page should be printed in color**
- Dont include general content , write more technical content
- Each chapter should minimum contain 3 pages
- Draw the notation of diagrams properly
- Every paragraph should be started with one tab space
- Literature review should be properly cited and described with content related to project
- All the diagrams should be properly described and dont include general information of any diagram
- Example Use case diagram - describe according to our project flow
- All diagrams,figures should be numbered according to the chapter number
- Test cases should be written with test input and test output
- All the references should be cited in the report
- **Internship Offer letter and neccessary documents should be attached**
- **Strictly dont change font style or font size of the template, and dont customize the latex code of report**
- **Report should be prepared according to the template only**
- **Any deviations from the report template,will be summarily rejected**
- **Number of Project Soft Binded copy for each and every batch is (n+4) copies as given in the table below**
- **Attach the CD in last Cover page of the Project Report with CD cover and details of batch like Title,Members name and VTU No ,Batch No,Project category (Inhouse/Internship)should be written in Marker pen**

- For **Standards and Policies** refer the below link
  https://law.resource.org/pub/in/manifest.in.html
- Plagiarism should be less than 15%
- **Journal/Conference Publication proofs should be attached in the last page of Project report after the references section**

General Instructions