

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE

Deemed to be University

(Declared under Distinct Category by Ministry of Education, Govt. of India)

NAAC Accredited with A++ Grade



Project Report

on

Development of X2Infotech System

Submitted By:

Tamanna Tomar

(0901CA221066)

Industry Mentor:

Mr. Deependra Singh (Project Manager, X2Infotech Pvt. Ltd)

Faculty Mentor:

Dr. Parul Saxena (Assistant Professor)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE

Gwalior – 474005 (MP) Estd.1957

January – June 2024

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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:

Tamanna Tomar

(0901CA221066)

Industry Mentor:

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January – June 2024

**ADDRESS:**

Sainik Colony, Pinto Park,
Gole Ka Mandir, Gwalior-474005
Ph. No. : +91-7000026259
Email: - info@x2infotech.com

Ref. No: 220017

Date: 20/04/2024

PROJECT COMPLETION CERTIFICATE

This is to certify that Ms. Tamanna Tomar has successfully completed the project titled “X2Infotech System” from 1 January 2024 to 13th April 2024, Under the designation of Web Developer in X2 Infotech Pvt. Ltd .

During this course of this project , Ms. Tamanna Tomar has demonstrated exceptional dedication and competency in developing and implementing a comprehensive project based on MERN Technology, As a She was able to independently complete a full stack project on their own.

This Certificate is hereby awarded in recognition of Ms. Tamanna Tomar successful completion of this project through meticulous attention to detail and effective communication, in stipulated time.

**HR Executive**

Akhand Sengar

Hr@x2infotech.com

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CERTIFICATE

This is certified that **Tamanna Tomar (0901CA221066)** has submitted the project report titled **X2Infotech System** under the mentorship of **Mr. Deependra Singh** (Project Manager of X2Infotech Private Limited), 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. Parul Saxena
(Assistant Professor)
Computer Science and Engineering

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

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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. Deependra Singh (Project Manager of X2infotech Private Limited)** degree or diploma anywhere else.

Tamanna Tomar

0901CA221066

2nd Year

Master in Computer Application
Computer Science and Engineering

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ACKNOWLEDGEMENT

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

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

I would like to extend my heartfelt appreciation to **Mr. Deependra Singh (Project manager Of X2Infotech Private Limited)** for his exceptional mentorship, guidance, and assistance throughout the project. His valuable input and feedback during the course of the project have helped me enhance my knowledge and skills. His constant encouragement and support have been instrumental in the successful completion of this project.

I am sincerely thankful to my faculty coordinator. I am grateful to the guidance of **Dr. Parul Saxena**, (Assistant 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.

Tamanna Tomar

0901CA221066

2nd Year

Master in Computer Application
Computer Science and Engineering

ABSTRACT

X2 Infotech is a Software development website that specializes in creating custom Software Solutions for business offer a range of Services including web development , Mobile Application development System design , logo design portfolio etc.

In this Website we can create Software solution tailored to meet the unique needs of any business we use the latest technologies and best practices to ensure that your software is reliable and also build web application that are fast secure and user friendly.

X2 infotech website is generally propagate and create user friendly website , portfolio etc. and we build a projects application for new non-IT startup with affordable prices so any body can take their startup in online mode and give user friendly services.

Our Projects is User Friendly, and our website help to integrate existing software system and try to upgrade for new era.

Overall , X2infotech is a reliable an experienced System development website than can help business of all sizes build that met their unique needs because by providing a supportive ecosystem that nurture creativity For , foster collaborative and celebrate.

X2infotech represents more than just a launchpad for idea it is a catalyst for change and a testament to the limitless potential and our website helps all the idea which will become a new startup an d face a digital world .

सार

X2 इन्फोटेक एक सॉफ्टवेयर डेवलपमेंट वेबसाइट है जो व्यवसाय के लिए कस्टम सॉफ्टवेयर सॉल्यूशंस बनाने में माहिर है, जो वेब डेवलपमेंट, मोबाइल एप्लिकेशन डेवलपमेंट सिस्टम डिजाइन, लोगो डिजाइन पोर्टफोलियो आदि सहित कई प्रकार की सेवाएं प्रदान करती है।

इस वेबसाइट में हम किसी भी व्यवसाय की विशिष्ट आवश्यकताओं को पूरा करने के लिए तैयार सॉफ्टवेयर समाधान बना सकते हैं, हम यह सुनिश्चित करने के लिए नवीनतम तकनीकों और सर्वोत्तम प्रथाओं का उपयोग करते हैं कि आपका सॉफ्टवेयर विश्वसनीय है और वेब एप्लिकेशन भी बनाते हैं जो तेजी से सुरक्षित और उपयोगकर्ता के अनुकूल हैं।

X2 इन्फोटेक वेबसाइट आम तौर पर प्रचारित होती है और उपयोगकर्ता के अनुकूल वेबसाइट, पोर्टफोलियो इत्यादि बनाती है और हम किफायती कीमतों के साथ नए गैर-आईटी स्टार्टअप के लिए एक प्रोजेक्ट एप्लिकेशन बनाते हैं ताकि कोई भी अपना स्टार्टअप ऑनलाइन मोड में ले सके और उपयोगकर्ता के अनुकूल सेवाएं दे सके।

हमारी परियोजनाएं उपयोगकर्ता के अनुकूल हैं, और हमारी वेबसाइट मौजूदा सॉफ्टवेयर सिस्टम को एकीकृत करने और नए युग के लिए अपग्रेड करने का प्रयास करने में मदद करती है,

कुल मिलाकर, X2infotech एक विश्वसनीय और अनुभवी सिस्टम डेवलपमेंट वेबसाइट है जो सभी आकार के व्यवसायों को उनकी अनूठी जरूरतों को पूरा करने में मदद कर सकती है क्योंकि एक सहायक पारिस्थितिकी तंत्र प्रदान करके जो रचनात्मकता को पोषित करता है, सहयोगात्मकता को बढ़ावा देता है और जश्न मनाता है।

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CHAPTER 1: INTRODUCTION

X2Infotech is a leading provider of advanced security and identifies solutions in the development and implementation of a projects and other services. And it provides a lot of services which is very helpful for build any company website whether its technical and non-technical company or an any local merchantshop. X2Infotech is a dynamic technology firm dedicated to pioneering innovative solutions across varioussectors, established with a vision to revolutionize business through advanced technology, X2 infotech specializes in delivering bespoke software development , robust cybersecurity measures, strategic it is consulting and seam less digital transformation.

Our core ethos revolves around empowering organizations to harness the full potential of technology to optimize our commitment to delivering tailored solutions that crater to the unique needs and challenges of each client .

At X2infotech, We are more than just a technology partner – we are catalysts for positive change by fostering collaboration , innovation, and excellence ,We empower business to thrive in the digital era and beyond . Experience the X2Infotech difference today.

1.1 Problem Identification

In this upgrading era when there is a lot of idea generated and some are become new emerging companies but due to scarcity of technical knowledge, they can't take their business online and because of digital world updating daily when non -technical background cannot match with that , there are some major problems identify like-

Technical Difficulties – Working online can sometimes lead to technical issues like don't know how to design our website for user friendly , and don't know how to use software or hardware to run our business online.

Collaboration barriers- On user and admin because of misconception and don't know how to tackle various kinds of problems that need to be addressed and ensuring productivity and accountability when working due to distractions and lack of supervision lead to establish a problem

1.2 Parent Organization



X2Infotech Ready to build Private limited : We are building Modern and High Software .

X2infotech is a global information technology solution offering progressive end-to-end software development , android development, web application , e- commerce development, technical support , testing and SEO .

X2Infotech was built in 2008 its founding member in Akhand Segar, and Aman Gupta, X2Infotech provides complete Solutions by using our experience, technical skills, and knowledge of the trends. Our Services cover a wide range of industries like advertising, finance, healthcare, and many more. We prioritize our clients and strive to earn their trust by following established practices and staying updated with new technologies. Our goal is to continuously improve and deliver high quality solutions efficiently and effectively . We have a streamlined process for developing products , ensuring they meet our client's needs in terms of quality, cost and time. We specialize in creating custom web and mobile applications as well as software, to help businesses become more efficient and profitable.

Innovation is ingrained in our DNA , and we continually strive to stay ahead of the curve by embracing emerging technologies and industry best practices. This commitment to innovation allows us to offer cutting-edge solutions that empower our clients to thrive in today's dynamic.

Our product development methodology is highly efficient , enabling us to deliver high quality solutions at competitive cost and within taught timelines. Whether its developing custom Web-Application , Mobile-app software solutions, we are decided to enhance our client's business process and delivering a sustainability return on investment.

One of the core strengths in our lies in our ability to work in tangible IT solutions. Our Team of skills professionals is adopting at turning concepts into reality, leveraging the latest technologies and trends to create innovative solutions that drive business success. At numeric we are committed to surpassing our clients' expectations and setting new benchmarks for excellence in the industry, our long-standing relationships with clients are a testament to our commitment to delivering comprehensive , cost -effective and high-quality solutions that drive tangible business outcomes.

In summary , X2Infotech is not just a technology partner but a trusted advisor committed to helping business succeed in today's digital age. With our expertise, dedication, and customer-centric approach , we are poised to be the preferred choice for an organization seeking transformative IT solutions.

1.3 Hardware and Software Specifications

Hardware Specification

Hardware requirement – To guarantee optimum performance and dependability, we have specified precise specs for the hardware needed for our project . First, we have a Core i5 CPU from the 5000 series, which has a frequency of 2.30 GHz. The processor has a strong processing capacity, which is necessary to effectively manage the computational needs of our project. Our system will have enough memory to facilitate multitasking and manage big datasets with ease when combined with 8 GB of RAM . We will use a 512 GB hard disk drive to store our project files and data, which will be enough storage for our purposes. We will also include 512 GB to store our project files and data, which will be enough storage for our purposes, which improves overall system performance and provides quicker data science with these hardware requirements in place , we can start our project with confidence since we know that our system can handle the demands of our jobs in an effective and efficient manner.

Software Specification

Windows 11 Operating System :- The decision to utilize Windows 11 as the operating system stems from its advanced features, enhanced security measures and improves user interfaces, with its modern design and optimized performance, it provides a stable and secure environment for software development.

Visual Studio Code :- As the primary coding environment, VS code offers a plethora of features tailored for modern development workflows, its support for various programming languages, extensive libraries of extension, and integrated version control system streamline the coding process , fostering productivity and collaboration among team members.

Node JS Workbench :- The selection of NodeJS workbench for database management ensures efficient handling of data throughout the development lifecycle.

By leveraging the capabilities of windows 11 ,Vs code and other software development process is poised for scalability and optimal performance. Whether it's handling large volumes of data, testing complex APIs or deploying software across diverse environments, this robust software stack provides the necessary tools.

and resources to meet the demands of modern software development . In conclusion the combined utilization of windows 11, VS code , forms a cohesive and powerful software development environment, equipped to tackle the challenges of today's dynamic and interconnected digital landscape.

By leveraging the capabilities of Windows 11, VS Code, Workbench and Postman, the software development process is poised for scalability and optimal performance. Whether it's handling large volumes of data, testing complex APIs, or deploying software across diverse environments, this robust software stack provides the necessary tools and resources to meet the demands of modern software development. In conclusion, the combined utilization of Windows 11, Workbench, VS Code, Postman forms a cohesive and powerful software development environment, equipped to tackle the challenges of today's dynamic and interconnected digital landscape.

CHAPTER 2: SYSTEM ANALYSIS

2.1 Problem Analysis

In this upgrading era when there is a lot of idea generated and also some are become new emerging companies but due to scarcity of technical knowledge, they can't take their business online and because of digital world updating daily when non -technical background cannot match with that , there are some major problems identify which are as follow :-

- a. Market Demand for Innovative Solutions :** There may have been a recognized need within the market for innovative technology solutions tailored to specific industries or business challenge ,X2 infotech could have been established to address gaps in the market by offering cutting edge software, applications, or consulting services that were not adequately met by existing providers.
- b. Regulatory Compliance:** Industries such as finance and healthcare must comply with strict regulatory requirements, which can be complex and time-consuming. X2 Infotech provides compliance consulting services and develops software solutions that help organizations adhere to regulatory standards while streamlining processes and reducing compliance risks.
- c. Talent Management and Training:** Industries need to attract, retain, and develop skilled talent to remain competitive. X2 Infotech provides training and development solutions, including e-learning platforms, skill assessment tools, and talent management systems, to help organizations cultivate a skilled workforce and foster a culture of continuous learning and growth.
- d. Budget Friendly:** if any service-based company provides the service it will cost client in high amount and give unnecessary benefit that X2 Infotech can tailor service packages to suit the specific requirements and budget constraints of clients. By offering customizable solutions, clients can choose only the services they need, thereby optimizing costs.

2.2 Feasibility Study

2.2.1 Economic Feasibility

a. Personal

S.NO	SPECIFICATION	COST
1.	System Analyst	₹ 1000/- (4 months)
2.	Programmer Analyst	₹ 3000/- (4 months)
3.	Database Analyst	₹ 2000/- (4 months)
	TOTAL COST	₹ 6000/-

b. Other expenses

S.NO	SPECIFICATION	COST
1.	Electricity	₹ 3000/- (4 months)
2.	Stationary	₹ 2000/- (4 months)
	TOTAL COST	₹5000

c. Hardware and software expenses

S.NO	SPECIFICATION	COST
1.	Development server	₹3500/-
2.	Software Server	₹2000/-
3.	DBMS	₹2000/-
	TOTAL COST	₹7500/-

Final Cost of our Project = ₹ 18500/-

Total Completion time of our project = 4 months.

2.2.2 Technical Feasibility

a. Hardware requirements

S.NO	SPECIFICATION	DESCRIPTION
1.	Processor	Intel -i5
2.	RAM	4GB, 8GB
3.	Hard-Disk Drive	500 GB
4.	System Type	64 BITS x64 BASED

b. Software requirements

S.NO	SPECIFICATION	DESCRIPTION
1.	Frontend	React.js
2.	Backend	Nodejs, Express
3.	Control End	MongoDB
4.	Application	Visual Studio, Render

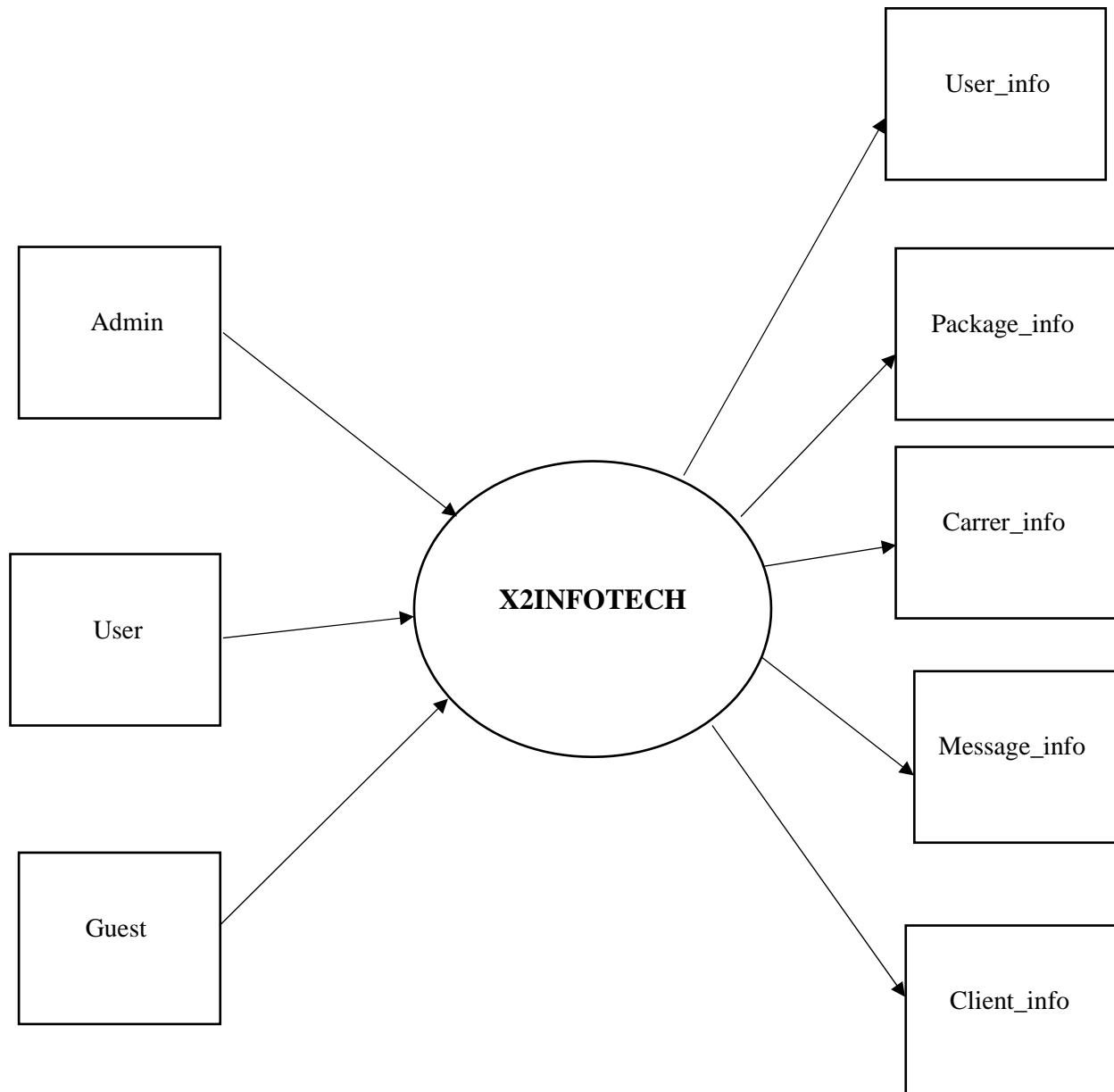
2.2.3 Behavioral Feasibility Study

The Project aims at maximizing the customer 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 for all the action taken.

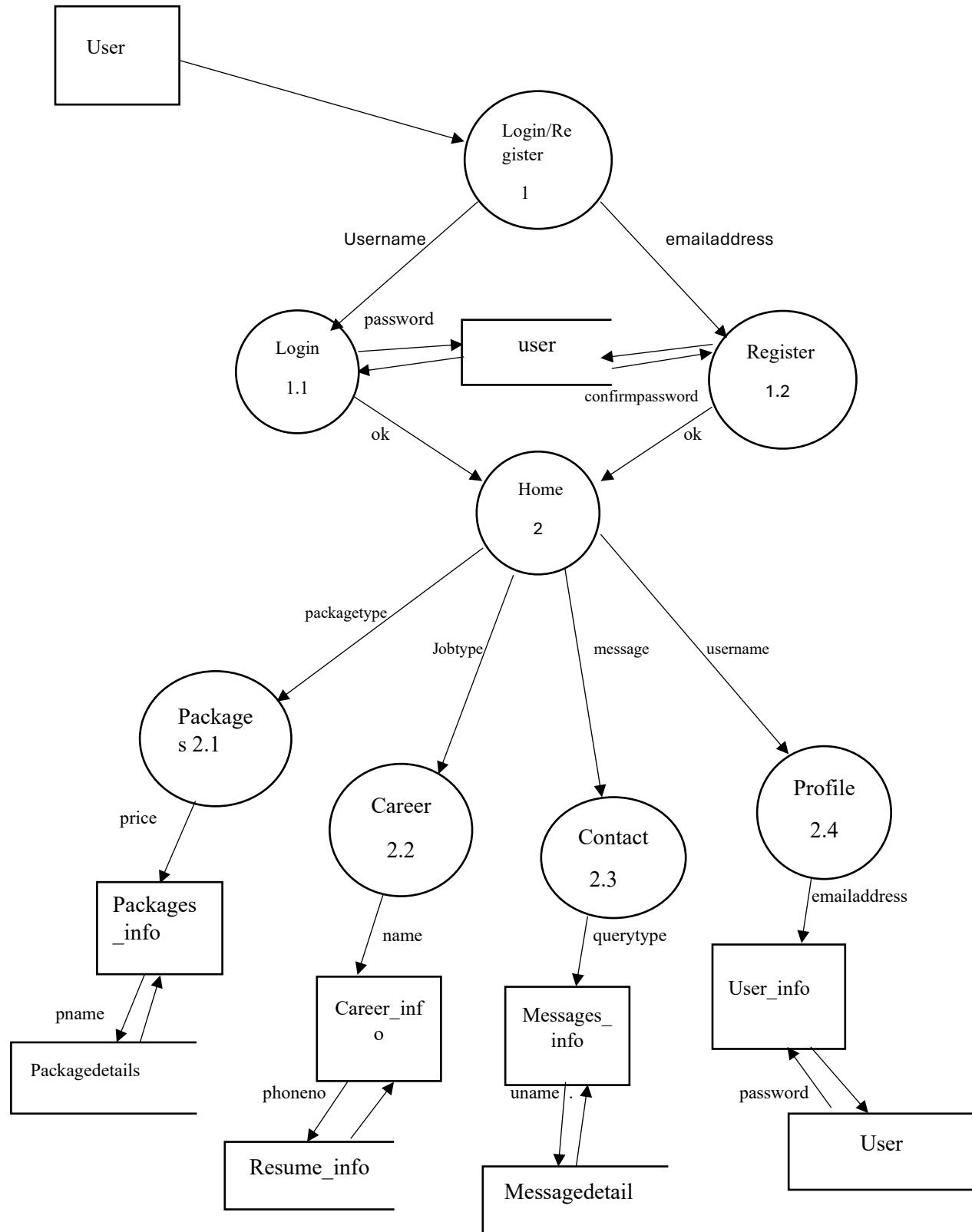
- a. This platform is easy to use , convenient and provides value to customers and will be solve issues like privacy , security, and trust. It evaluates a client's perception of the value they receive from the products or service offered . It includes like services , testimonials.
- b. It will provide detailed services information , reviews , policies to build and also clients satisfaction. Assessing the technical fragility of implementing desired behaviors within the constraints if available technologies platforms and frameworks , ensuring that the software can handle varying workloads and maintain optimal performance under different usage scenarios.
- c. Incorporating robust security measures to protect user data and ensure compliance with relevant regulations and standards such as GDPR OF HIPAA, designing intuitive interfaces of workflows that facilities smooth interaction and engagement, ultimately enhancing the overall user experience, its 24/7 availability, ensuring uninterrupted access to its services round the clock. With a commitment to customer satisfaction.

2.3 Data Flow Diagram (DFD)

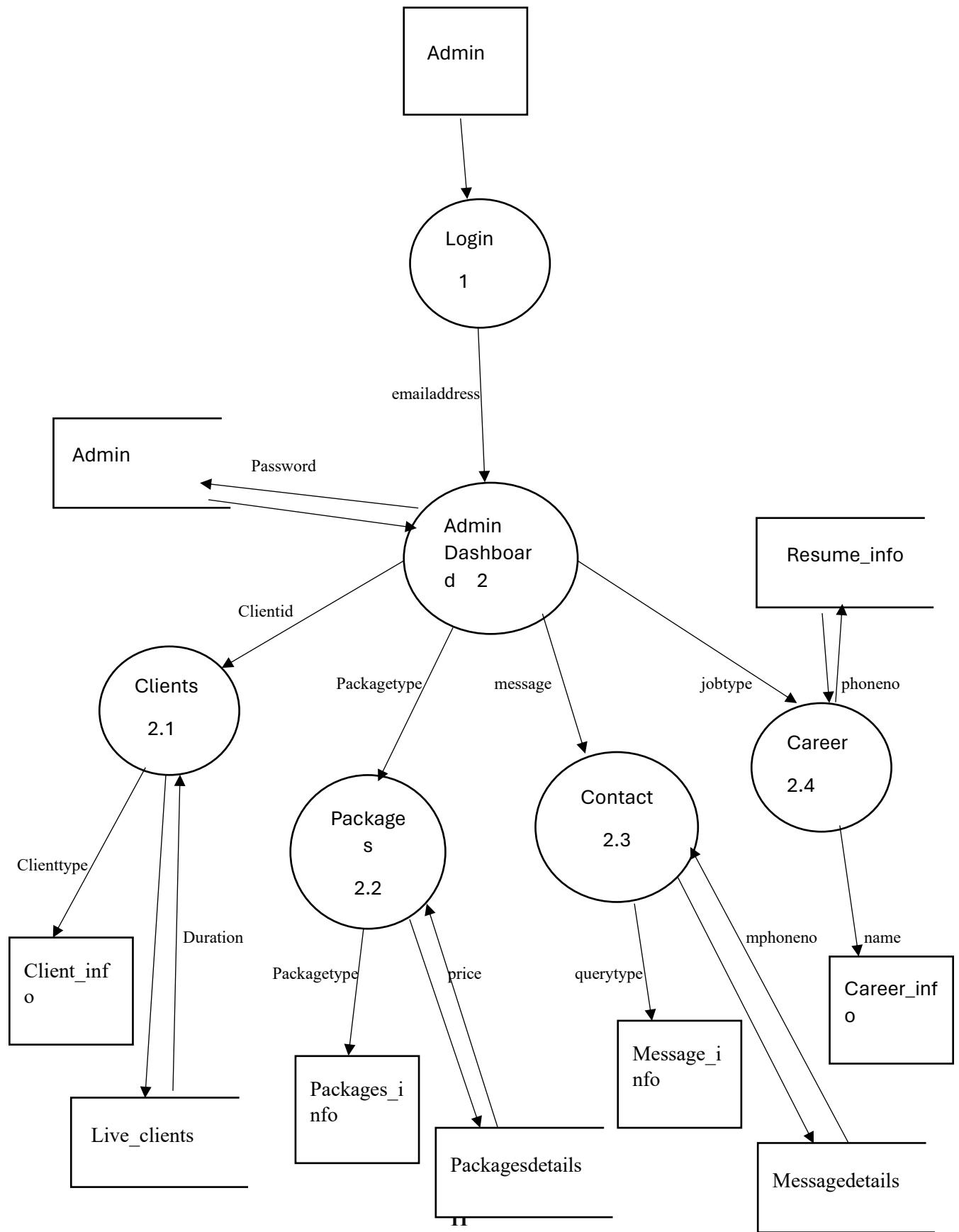
2.3.1 DFD level 0



2.3.2 DFD 1 for User

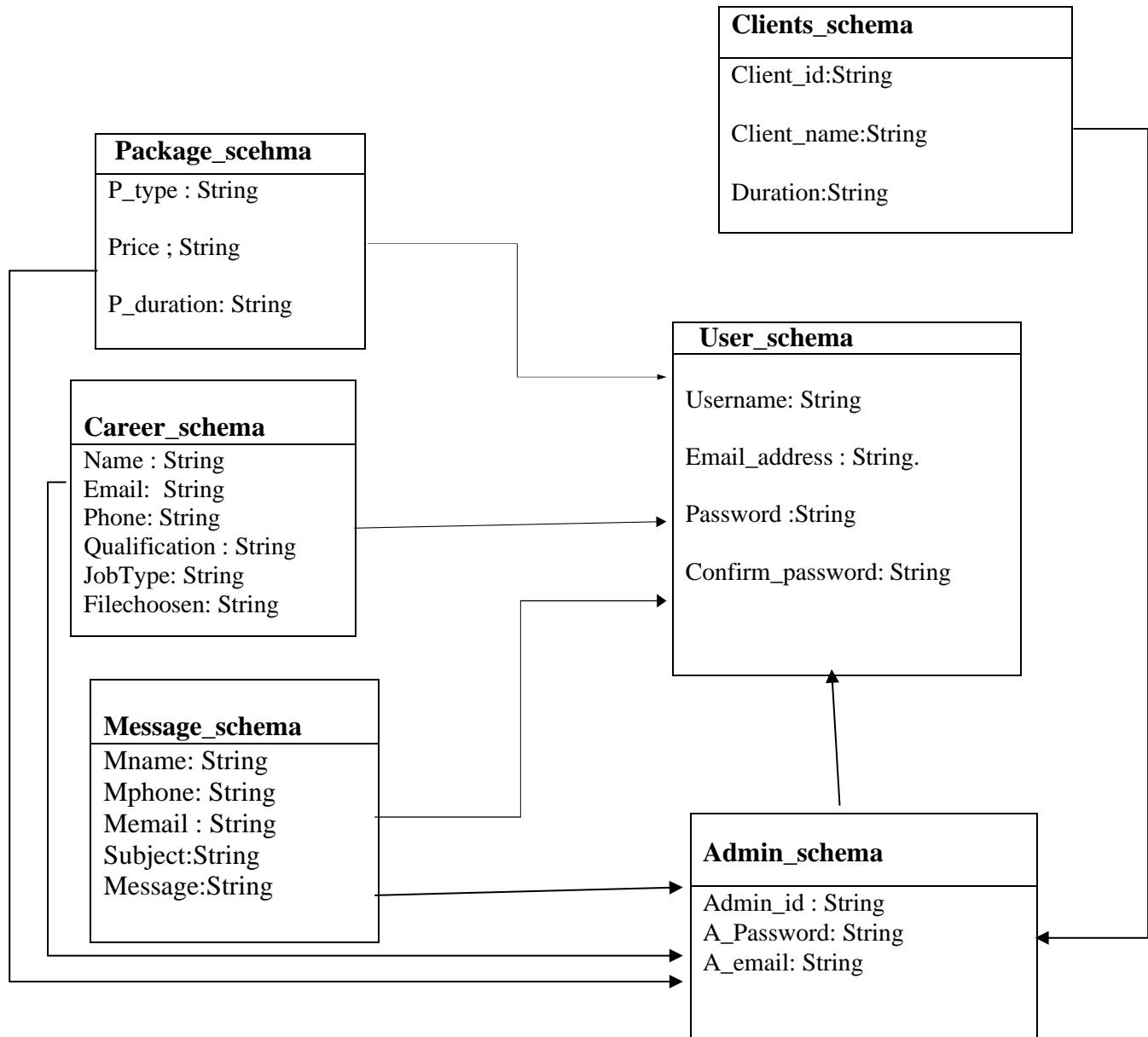


2.3.3 DFD 1 For Admin



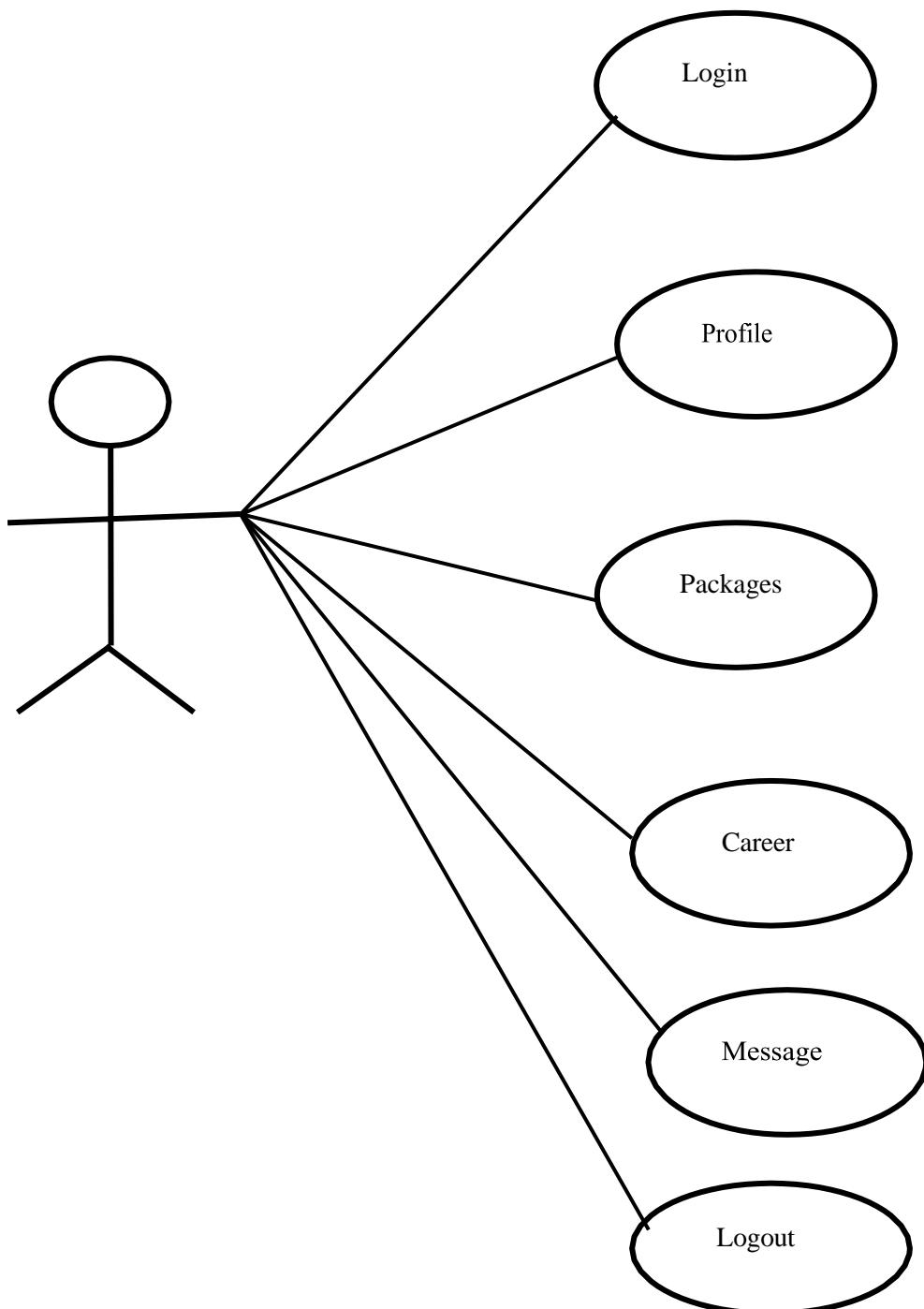
CHAPTER 3: SYSTEM DESIGN

3 .1 Structure Chart

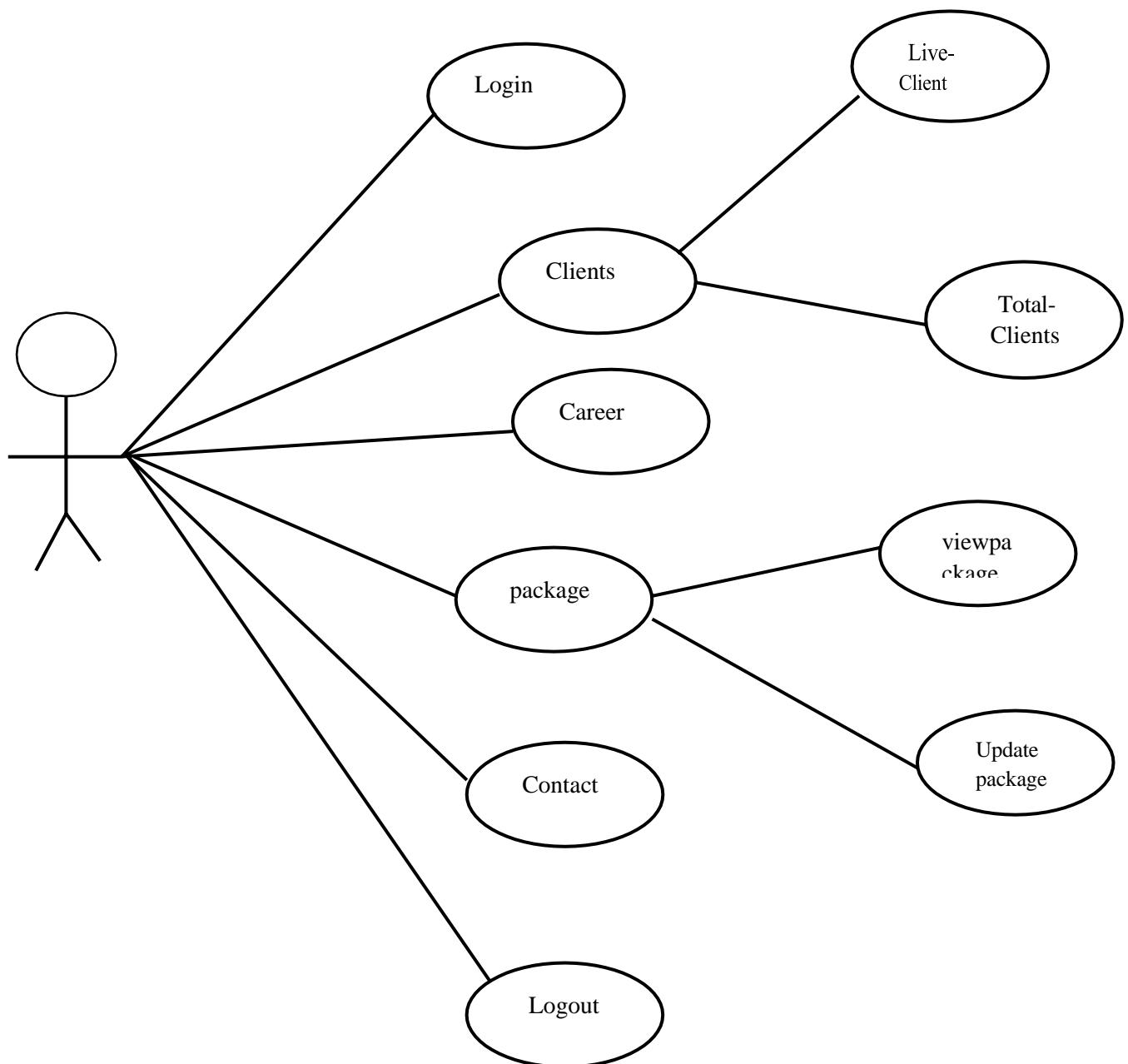


3.2 Use Case Diagram

3.2.1 Use Case Diagram for User



3.2.2 Use Case diagram for admin



CHAPTER 4.TESTING

4.1 Unit Testing

We perform unit testing every smallest unit of the developed website, individually to check its working, we used different test data to perform the testing, we performed these tests on admin login, user login , user registration, add notes, upload , download etc. We also tested the two modules individually, admin, user both modules.

S.no	Section	Element Name	Test Data	Expected Result	Actual Result
001	Admin, Login	Username, Password	No data	Please fill out this field	Test case passed
	Admin, Login	Username, Password	Rohantomar25@gmail,	Error occurred	Test case passed
	Admin, Login	Username, Password	Rohantomar25@gmail.com / *****	Successfully Logged in	Test case passed
002	User Login	Email, Password	No data	Please fill out this field	Test case passed
	User Login	Email, Password	tomartamanna@gmail.com /*****	Error occurred	Test case passed
	User Login	Email, Password	tomartamanna25@gmail.com /*****	Successfully Logged in	Test case passed
003	User Registration	Username, email,	No data	Please fill out this field	Test case passed
	User Registration.	Username, email,	tomartamanna25@gmail.com /	Error occurred	Test case passed
	User Registration	Username, email,	Tomartamanna25@gmail.com /*****	Successfully Logged in	Test case passed

4.2 Compatibility Testing

Compatibility testing refers to the process of testing its compatibility across different platforms, devices browsers, OS, and Environments. The objective is to ensure that the website functions work properly and consistently for users.

Test Cases

S.No	Element Name	Element Type	Input	Expected result	Actual result	Test result
1.	Device	Responsiveness on different devices	Checking Responsiveness on devices for example, Laptop, and smartphones	Website will adapt different screen sizes on different devices without any disbalancing	As expected, website is full responsive and working perfectly	Passed
2.	Operating System	Checking website behavior on different OS	Working on different OS example , iOS, macOS, Windows	There should not be any changes in website in accessibility while changing OS	As expected, website working on all OS	Passed
3.	End-User Security	Data Security	Testing security measured of Clients	The login user will be able to their details	As expected, details of login email is shown and all details is secured	Passed

4.3 Validation Testing

Validation testing provides final assurance that software meets all behavioral and performance requirements. It helps to identify defects or issues that may arise when the components are integrated. Validation can be defined in many ways, but a simple definition is that validation succeeds when software function in a manner that can be reasonably used by the customer . in this testing we had tested the connectivity or data transfer between couple of unit testing

Overall , Unit testing, validation testing and compatibility testing are critical to ensure the success of X2infotechSystem and providing a reliable and efficient tool for the Clients ,User and admins of our company.

CHAPTER 5: IMPLEMENTATION

5.1 Visual Studio Code

- a. Firstly, go to official website of visual studio <https://code.visualstudio.com/download>
- b. Now select the one which you want to install according to your system click on download button
- c. Now click on the install button.
- d. Follow up installation process and choose options that are suitable to your need.
- e. Click and exit.

5.2 Install Node.js and npm

- a. Ensure that Node.js and npm (Node Package Manager) are installed on your system.
- b. You can Download and install them from the official Node.js <https://nodejs.org/en/download>
- c. Set up the project.
- d. Create a new directory for the project, initialize a new Node.js project using npm init.
- e. Install the required dependencies such as react , Express , Node.js from <https://www.npmjs.com/>

5.3 Install Project Dependencies

- a. Navigate to the project directory in the terminal or command prompt.
- b. Run the command npm install to install the project directories .
- c. Create a .env file in the root directory of the project directory, add necessary environment variables.
- d. Refer to the project documentation or configuration file to determine the required env. Variables .

5.4 Set Up Database

- a. System uses MongoDB , so MongoDB compass needs to be installed on the system and running.
- b. Create a new database for your project .and update env file with database URL .

5.5 Start the Frontend and Backend

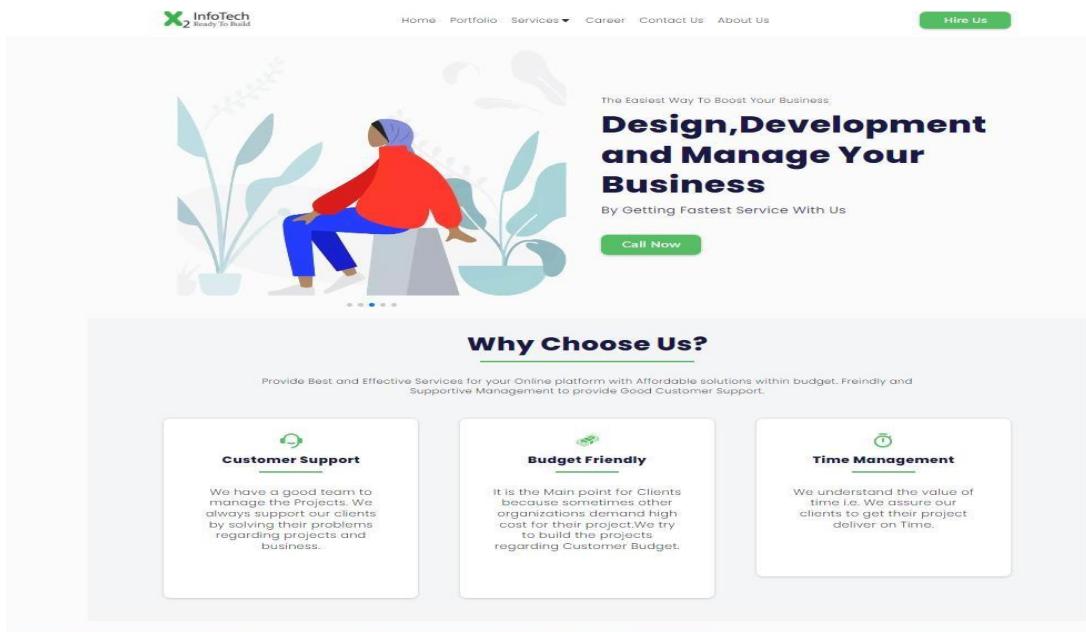
- a. In the terminal or command prompt , navigate to projects frontend directory.
- b. Run the command npm install to install front-end dependencies.
- c. Execute the command npm start to run the front-end server.
- d. Navigate back to the projects root directory in the terminal or command prompt.
- e. Run the command npm start or node server.js to start the server.
- f. If you want automatic server on file changes during development , you can use nodemon [\[1\]](#) instead nodemon server.js

5.6 Access the Application

- a. Open a web browser.
- b. Enter <http://localhost:3000> in the address bar.
- c. The X2 Infotech website should load in browser and you can interact with it.

CHAPTER 6: SAMPLE FORMS AND REPORTS

a. Home page



Why Choose Us?

Provide Best and Effective Services for your Online platform with Affordable solutions within budget. Freindly and Supportive Management to provide Good customer Support.

Customer Support

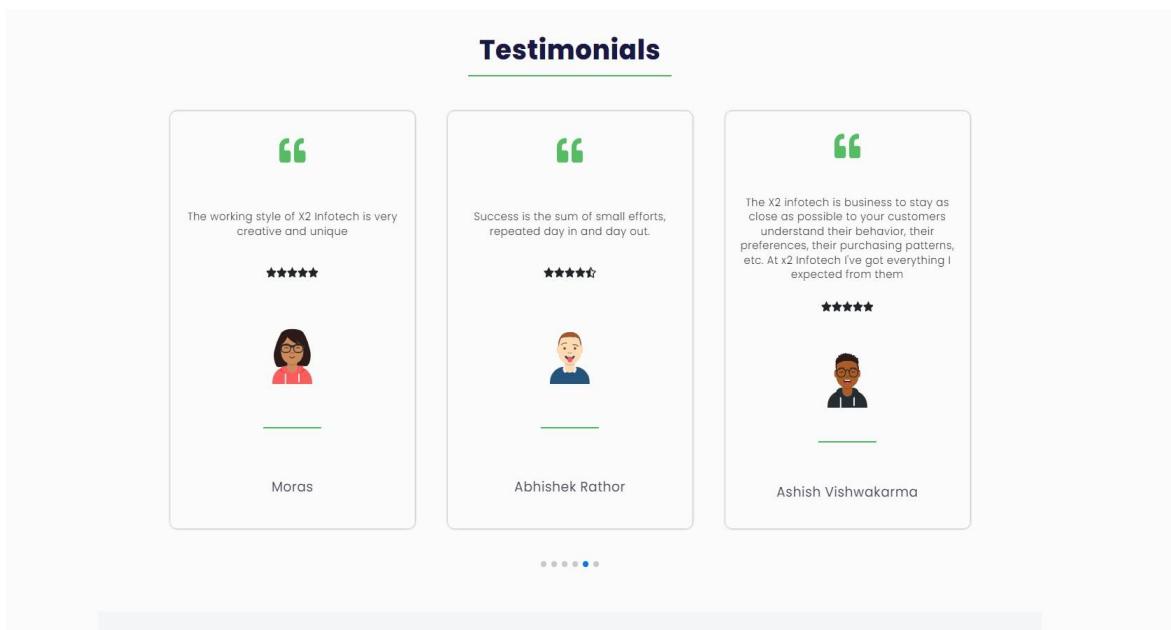
We have a good team to manage the Projects. We always support our clients by solving their problems regarding projects and business.

Budget Friendly

It is the Main point for Clients because sometimes other organizations demand high cost for their project. We try to build the projects regarding Customer Budget.

Time Management

We understand the value of time i.e. We assure our clients to get their project deliver on Time.



Testimonials

“

The working style of X2 Infotech is very creative and unique

★★★★★



Moras

“

Success is the sum of small efforts, repeated day in and day out.

★★★★★



Abhishek Rathor

“

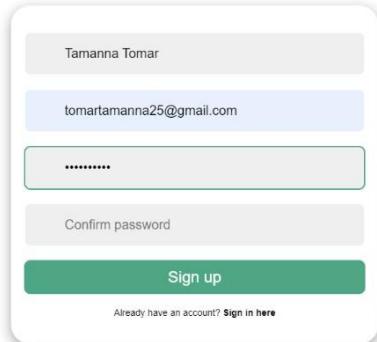
The X2 infotech is business to stay as close as possible to your customers understand their behavior, their preferences, their purchasing patterns, etc. At x2 Infotech I've got everything I expected from them

★★★★★



Ashish Vishwakarma

b. Signup page



Tamanna Tomar

tomartamanna25@gmail.com

Confirm password

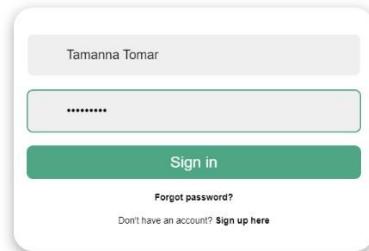
Sign up

Already have an account? [Sign in here](#)

Join with us

c. Login page

Welcome



Tamanna Tomar

Sign in

[Forgot password?](#)

[Don't have an account? Sign up here](#)

d. Services



Home Portfolio Services ▾ Career Contact Us About Us

Hire Us

Website Design and Development

Our Business consulting team will work vigorously to maintain a steady flow and momentum of your business. We are crazy about quality while meeting our clients; highest standards, we strive for excellence without missing the deadlines. Today's world reaching peak of IT industries. There is a competitive environment of technology industry. For the same intention most of the times the people need to suffer a lot to get connected and hire a well-professional experience company where they can get the perfect and promising IT services. So X2 InfoTech provides a quality of works with high quality content using SEO, because content is more important than the design which supports it. We are trying to satisfy all those you need.



We Will Cover :

- Design and build business for you.
- Build a websites and mobile application as cheap and budget friendly.
- Will manage and operate the services needed.
- Work with expert team and secure database with anti data loss.

Call us: +91 9407269664 Email: info@x2infotech.com

[Twitter](#) [LinkedIn](#) [Instagram](#)



Home Portfolio Services ▾ Career Contact Us About Us

Hire Us

Digital marketing SEO

Search engine optimization (SEO) is the process of optimizing your online content so that a search engine likes to show's top result for searches of a certain keyword.

The purpose of Search Engines is to provide people with a place to find the best products and services available in the marketplace. Therefore, when you are trying to increase your traffic to your website, you have to make sure that your site is properly optimized for the search engines. It is important that your site is visible on all of the major search engines such as Yahoo, Google, Bing, and so forth, so that the search engines can find you easily.



X2 Infotech increasing the visibility of a website are by making changes to the design and appearance of the website itself. We plan targeted SEO campaigns that drive maximum traffic leads and sales.



X2 is a Platform where you can grow your Business further

SERVICES

- Design and Development
- Digital Marketing
- Graphics Design

QUICK LINKS

- About Us
- Portfolio

CONTACT US

- info@x2infotech.com
- hr@x2infotech.com

HR Related Query

+91 8602343768

IT Related Query

f. Career page

The screenshot shows the career page of X2 InfoTech. At the top, there is a navigation bar with links to Home, Portfolio, Services, Career (which is underlined), Contact Us, and About Us. A 'Hire Us' button is also present. The main section is titled 'Career Options' and features a heading 'Send Your Resume Here.' Below this, there is a form for resume submission. The form fields include:

- Full Name: rohan malviy
- Email: rohan.25@gmail.com
- Phone: 87845412001
- Qualification: b.e
- Job Type: Internship (dropdown menu)
- To: 478001
- Address: DIXIT GALI GOPALPURA MORENA
- File Upload: Choose File (seguo1000.pdf)

At the bottom of the form is a green 'Submit' button. Below the form, there is a section titled 'Frequently Asked Questions' with a list of questions:

- What is an internship?
- What are the benefits of an internship?
- How do I find an internship?
- When is a good time to start looking for an internship?
- Can I get academic credit for my internship?
- What if my question isn't answered here?

The footer of the page contains the X2 InfoTech logo, a brief description of the company, and links to various services and contact information. The footer also includes a copyright notice: "© All rights reserved 2021 X2 InfoTech.com".

g. Package page

Website Design And Development

Starter Package **₹999**
Just Pay 50% To Start

- Custom Design
- Choice of Layout
- Upto 5 Pages
- Update and add pages
- Mobile Friendly Design
- Homepage Banner Designs
- Professional Log Design
- Search Engine Friendly
- Search Engine Submission
- Website Contact Form
- Search Engine Optimisation
- Website Visitor Statistics
- Full Website Ownership
- Google Maps Integration
- SSD Disk Space
- Email Addresses
- Domain Name for 1 year
- Websitehosting for 1 year
- Phone and Email Support
- Built In House

Advanced Package **₹39999**
Just Pay 50% To Start

POPULAR

- Custom Design
- Choice of Layout
- Upto 10 Pages
- Update and add pages
- Mobile Friendly Design
- Homepage Banner Designs
- Professional Log Design
- Search Engine Friendly
- Search Engine Submission
- Website Contact Form
- Search Engine Optimisation
- Website Visitor Statistics
- Full Website Ownership
- Google Maps Integration
- SSD Disk Space
- Email Addresses
- Domain Name for 1 year
- Websitehosting for 1 year
- Phone and Email Support
- Built In House

Enterprise Package **₹89999**
Just Pay 50% To Start

- Custom Design
- Choice of Layout
- Upto 20 Pages
- Update and add pages
- Mobile Friendly Design
- Homepage Banner Designs
- Professional Log Design
- Search Engine Friendly
- Search Engine Submission
- Website Contact Form
- Search Engine Optimisation
- Website Visitor Statistics
- Full Website Ownership
- Google Maps Integration
- SSD Disk Space
- Email Addresses
- Domain Name for 1 year
- Websitehosting for 1 year
- Phone and Email Support
- Built In House

Enquire Now **Enquire Now** **Enquire Now**

h. Contact page

**Feel free to contact us.
We'll be glad to hear from you, buddy.**

Name:

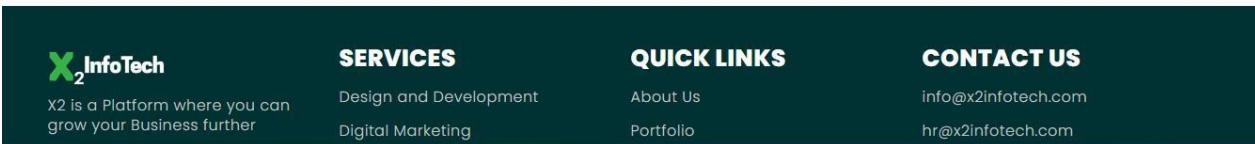
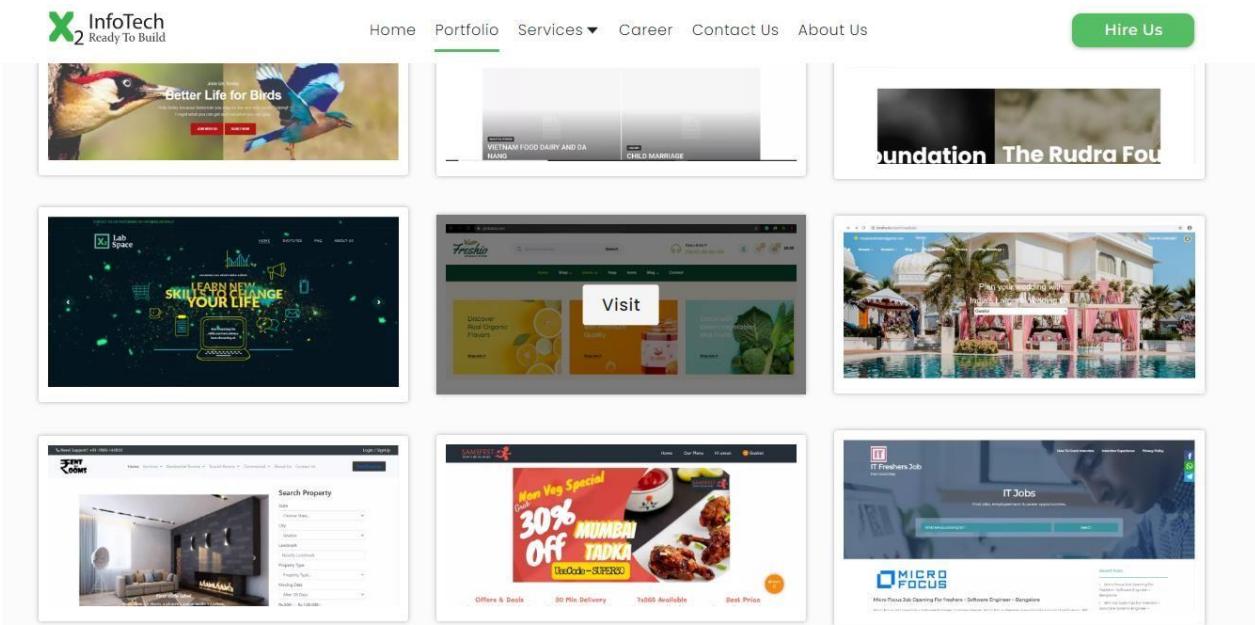
Phone:

Email:

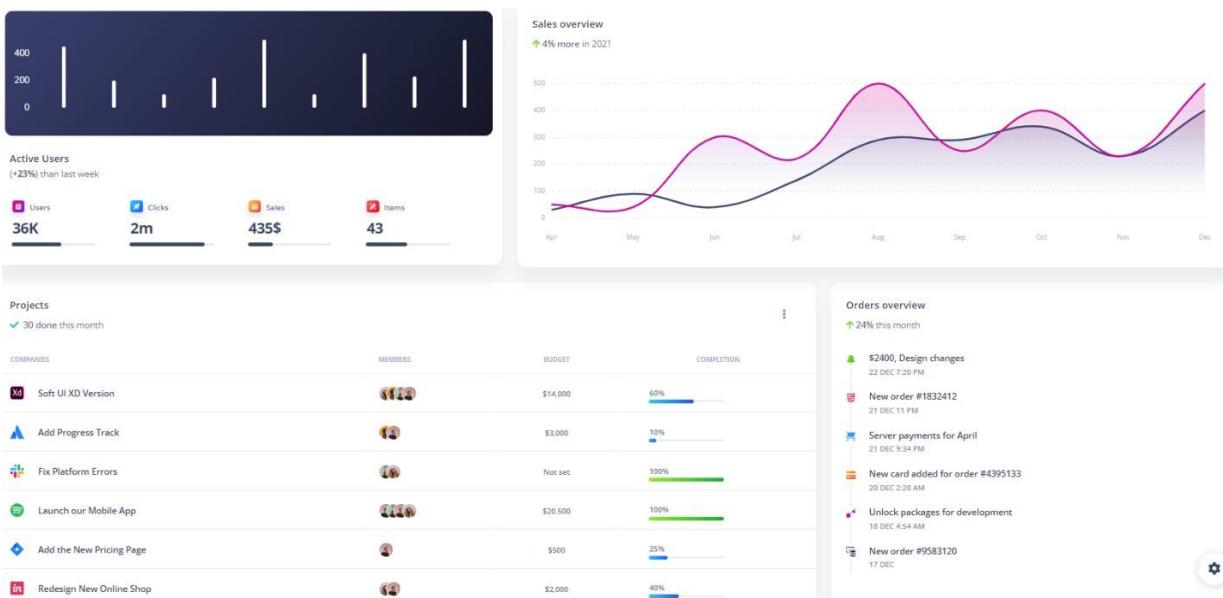
Subject:

Submit

i. Portfolio page



h. Admin Dashboard



CHAPTER 7: CONCLUSION AND FUTURE SCOPE

Conclusion

The Project was successfully fully designed and is tested for accuracy and quality . During this project I have accomplished all the objectives of this project meets the needs of the organization. The developed project will be used in searching for, retrieving and generating information for the concerned requests. The project has designed in such a way that the future modifications can be done easily .

This software is developed with the help of different kinds of tools such as Reactjs, Nodejs, MongoDB etc. This developed website is user friendly and fulfill all task successfully.

This website provides with a dedicated online platform to show case its services, solutions, and expertise to global audience , this expands reach enables the company to connect with potential client's partners and stakeholders regardless of geographic location. With a professionally designed website can strengthen its brand identity and establish a memorable online presence.

Though strategic use of call to cation buttons contacts forms and lead magnets, our website can leverage its website as a powerful lead generation tool by capturing visitor information nurturing relationship though targeted content follow up communication , Unlike traditionally brick and motor establishments a website allows to remain accessible to clients and properties round the clock Visitors can access information explore services., Website provide platform to show case its portfolio of projects case studies and success stories by highlighting past accomplishments and demonstration expertise in various domains.

However, there is still room for future work and improvements in our website, one potential improvement is to integrate a feature to add a feedback mechanism for the users to provide their opinions and suggestions for further improvements of the system .

Overall, the X2Infotech website has the potential to enhance the compete with real world projects and give clients the best experience in it.

Future Work

As X2Infotech continues to evolve and innovate, several avenues of future growth and development present themselves. Here are some potential areas of future scope of X2infotech. With the increasing integration of AI technologies across industries can expand its offerings to include advanced AI solutions such as machine learning, processing and predictive analytics.

Blockchain technology: blockchain technology has the potential to revolutionize various sectors including finance, supply chain management and health care. Augmented reality and virtual reality technologies are gaining traction in fields such as gaming, education, and marketing.

As Cyber threats become more sophisticated, there is a growing demand for innovative cybersecurity solutions. X2Infotech can invest in research and development to create advanced threat detection systems, secure authentication methods and proactive cyber defense strategies.

BIBLIOGRAPHY

The following references were referred during the analysis and execution phase of the project :-

1. <https://visualstudio.microsoft.com/downloads/>
2. <https://nodejs.org/en/download>
3. <https://www.geeksforgeeks.org/>
4. <https://www.w3schools.com/>
5. <https://www.npmjs.com/package/download>

PAPER NAME

Tamanna tomar 0901CA221066.docx

AUTHOR

TAMANNA TOMAR

WORD COUNT

3692 Words

CHARACTER COUNT

20310 Characters

PAGE COUNT

31 Pages

FILE SIZE

2.2MB

SUBMISSION DATEApr 7, 2024 3:07 PM
GMT+5:30**REPORT DATE**

Apr 7, 2024 3:07 PM GMT+5:30

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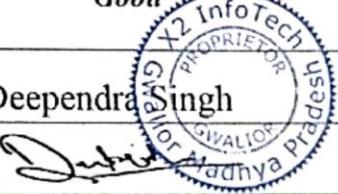
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Name of student	Tamanna Tomar		Department	MCA	
Industry/Organization	X2 InfoTech		Date/Duration	01/01/2024 – 15/01/2024	
Criterion	Poor	Average	Good	Very Good	Excellent
Punctuality/Timely completion of assigned work					✓
Learning capacity/Knowledge up gradation					✓
Performance/Quality of work				✓	
Behaviour/Discipline/Team work					✓
Sincerity/Hard work				✓	
Comment on nature of work done/Area/Topic	Tamanna Tomar way of working is very good, very hard working and talented and we have just given it to work on React.				
<u>OVERALL GRADE (Any one)</u>	EXCELLENT				
<u>Name of Industry Mentor</u>	Deependra Singh				
<u>Signature of Industry Mentor</u>					

Receiving Date	6/3/2024	Name of Faculty Mentor	Dr. Payal Baxem	Sign	
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(2)

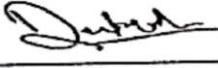
FORMATFORTNIGHT PROGRESS REPORT (FPR) FROM INDUSTRY

Name of student	Tamanna Tomar		Department	MCA	
Industry/Organization	X2 InfoTech		Date/Duration	16/01/2024 – 31/01/2024	
Criterion	Poor	Average	Good	Very Good	Excellent
Punctuality/Timely completion of assigned work				✓	
Learning capacity/Knowledge up gradation					✓
Performance/Quality of work					✓
Behavior/Discipline/Team work				✓	
Sincerity/Hard work				✓	
Comment on nature of work done/Area/Topic	Design landing page successfully and submit on time .				
<u>OVERALL GRADE (Any one)</u>	<i>Good</i>				
<u>Name of Industry Mentor</u>	Deependra Singh				
<u>Signature of Industry Mentor</u>					

Receiving Date	6/3/2024	Name of Faculty Mentor	Dr. Parul Saxena	Sign	
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FORMAT

FORNIGHT PROGRESS REPORT (FPR) FROM INDUSTRY

Name of student	Tamanna Tomar		Department	MCA	
Industry/Organization	X2 InfoTech		Date/Duration	1/02/2024 – 15/02/2024	
Criterion	Poor	Average	Good	Very Good	Excellent
Punctuality/Timely completion of assigned work					✓
Learning capacity/Knowledge up gradation					✓
Performance/Quality of work					✓
Behavior/Discipline/Team work				✓	
Sincerity/Hard work					✓
Comment on nature of work done/Area/Topic	Given work Complete on time and successfully submitted .				
<u>OVERALL GRADE (Any one)</u>	<i>Excellent</i>				
<u>Name of Industry Mentor</u>	Deependra Singh				
<u>Signature of Industry Mentor</u>	 				

Receiving Date	6/3/24	Name of Faculty Mentor	Dr. Parul Saxena	Sign	
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FORMAT

FORTNIGHT PROGRESS REPORT (FPR) FROM INDUSTRY MENTOR

Name of student	Tamanna Tomar		Department	MCA	
Industry/Organization	X2 InfoTech		Date/Duration	16/02/2024 – 29/02/2024	
Criterion	Poor	Average	Good	Very Good	Excellent
Punctuality/Timely completion of assigned work					✓
Learning capacity/Knowledge up gradation				✓	
Performance/Quality of work					✓
Behaviour/Discipline/Team work					✓
Sincerity/Hard work				✓	
Comment on nature of work done/Area/Topic	Successfully complete all work on time which is given to her ,				
<u>OVERALL GRADE (Any one)</u>	EXCELLENT				
<u>Name of Industry Mentor</u>	Deependra Singh				
<u>Signature of Industry Mentor</u>	 				

Receiving Date	6/3/24	Name of Faculty Mentor	Dr. Ravul Saxena	Sign	
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FORMAT

FORTNIGHT PROGRESS REPORT (FPR) FROM INDUSTRY MENTOR

Name of student	Tamanna Tomar		Department	MCA	
Industry/Organization	X2 InfoTech		Date/Duration	01/03/2024 – 15/03/2024	
Criterion	Poor	Average	Good	Very Good	Excellent
Punctuality/Timely completion of assigned work				✓	
Learning capacity/Knowledge up gradation				✓	
Performance/Quality of work					✓
Behavior/Discipline/Team work					✓
Sincerity/Hard work				✓	
Comment on nature of work done/Area/Topic	Given work is complete on time .and quality of work is improving day by day.				
<u>OVERALL GRADE (Any one)</u>	<i>Good</i>				
<u>Name of Industry Mentor</u>	Deependra Singh				
<u>Signature of Industry Mentor</u>					
					

Receiving Date	08/04/24	Name of Faculty Mentor	Dr. Parul Saxena	Sign	
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6

FORMAT

FORTNIGHT PROGRESS REPORT (FPR) FROM INDUSTRY
MENTOR

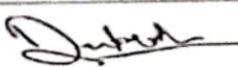
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Industry/Organization	X2 InfoTech		Date/Duration	16/03/2024 – 31/03/2024	
Criterion	Poor	Average	Good	Very Good	Excellent
Punctuality/Timely completion of assigned work					✓
Learning capacity/Knowledge up gradation				✓	
Performance/Quality of work				✓	
Behavior/Discipline/Team work					✓
Sincerity/Hard work					✓
Comment on nature of work done/Area/Topic	Successfully submit their work on time .				
<u>OVERALL GRADE (Any one)</u>	<i>Excellent</i>				
<u>Name of Industry Mentor</u>	Deependra Singh				
<u>Signature of Industry Mentor</u>					



Receiving Date	08/04/24	Name of Faculty Mentor	Dr. Parul Saxena	Sign	
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FORMAT

FORTNIGHT PROGRESS REPORT (FPR) FROM INDUSTRY MENTOR

Name of student	Tamanna Tomar		Department	MCA	
Industry/Organization	X2 InfoTech		Date/Duration	1/04/2024 – 15/04/2024	
Criterion	Poor	Average	Good	Very Good	Excellent
Punctuality/Timely completion of assigned work					✓
Learning capacity/Knowledge up gradation				✓	
Performance/Quality of work					✓
Behaviour/Discipline/Team work					✓
Sincerity/Hard work				✓	
Comment on nature of work done/Area/Topic	Successfully completed all work and submit on time				
<u>OVERALL GRADE (Any one)</u>	EXCELLENT				
<u>Name of Industry Mentor</u>	Deependra Singh				
<u>Signature of Industry Mentor</u>					



Receiving Date	16/4/24	Name of Faculty Mentor	Dr. Parul Saxena	Sign	
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