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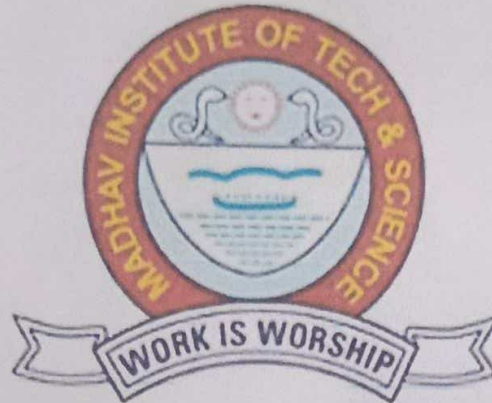
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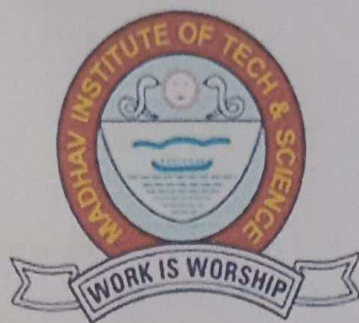
Project Report

on

SOCIAL NETWORKING SITE

Submitted By:

Pankaj Kumar Singh

0901CS191075

Faculty Mentor:

Mr. Mir Shahnawaz Ahmad

Assistant Professor, Computer Science and Engineering

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE

GWALIOR - 474005 (MP) est. 1957

MAY-JUNE 2022

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

Project Report

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

BACHELOR OF TECHNOLOGY

in

COMPUTER SCIENCE AND ENGINEERING

Submitted by:

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Submitted to:

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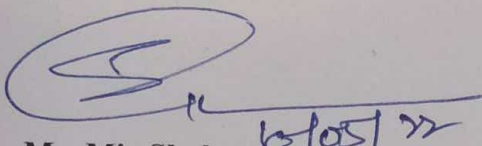MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE
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MAY-JUNE 2022

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

CERTIFICATE

This is certified that **Pankaj Kumar Singh**(0901CS191075) has submitted the project report titled NETWORKING SITE under the mentorship of **Mr. Mir Shahnawaz Ahmad**, in partial fulfilment of the requirement for the award of degree of Bachelor of Technology in Computer Science and Engineering from Madhav Institute of Technology and Science, Gwalior.
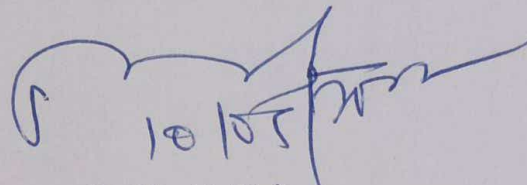
Mr. Mir Shahnawaz Ahmad
Faculty Mentor
Assistant Professor
Computer Science and Engineering

Dr. Manish Dixit
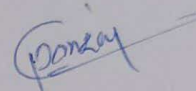Professor and Head,
Computer Science and Engineering

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

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

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 Bachelor of Technology 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. Mir Shahnawaz Ahmad, Assistant Professor,** Computer Science and Engineering.

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

Pankaj Kumar Singh
0901CS191075
3rd Year,
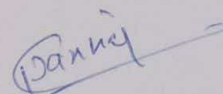Computer Science and Engineering

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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/interdisciplinary project as a curriculum requirement, under the provisions of the Flexible Curriculum Scheme (based on the AICTE Model Curriculum 2018), approved by the Academic Council of the institute. 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.

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ABSTRACT

The social networking website is an online community designed to make your social life more active and stimulating. The social network can help you maintain existing relationships with people and share pictures and messages, and establish new ones by reaching out to people you've never met before. Frenzoholic is a Social Networking Website which a Web based service providing its users to construct a public or Semi-Public profile within a bounded system .This website provides the features of keeping intact with one and all at One place. Frenzohlic lets keep in touch with your peers and pals , without boring you at the same time . Frenzoholic has various other attractive features of techno freaks Its coming up with new world which will be enjoying for every section of society.

Keyword: Social networking, PHP, HTML, CSS, JS, XAMPP.

सार;

सोशल नेटवर्किंग वेबसाइट एक ऑनलाइन समुदाय है जिसे आपके सामाजिक जीवन को बनाने के लिए डिज़ाइन किया गया हैअधिक सक्रिय और उत्तेजक। सामाजिक नेटवर्क मौजूदा संबंधों को बनाए रखने में आपकी मदद कर सकता है |लोगो के साथ और तस्वीरें और संदेश साझा करें, और इन तक पहुंचकर नए स्थापित करेंआपके पास जो लोग हैं कभी नहीं मिले इससे पहले।

फ्रेंज़ोहोलिक एक सोशल नेटवर्किंग वेबसाइट है जो एक वेब आधारित सेवा है जो अपने उपयोगकर्ताओं को एक सीमित प्रणाली के भीतर एक सार्वजनिक या अर्ध सार्वजनिक प्रोफ़ाइल बनाने के लिए प्रदान करती है। यह वेबसाइट रखने की सुविधाएं प्रदान करती है।

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1.1 Introduction

Social networking sites allow users to communicate with people, share ideas, activities, events, and interests within their individual networks. Social network sites such as Facebook, Orkut, and Google+ have attracted millions of users, many of whom have integrated these sites into their daily practices. There are hundreds of Social Networking Sites, with various technological affordances, supporting a wide range of interests and practices. Sites also vary in the extent to which they incorporate new information and communication tools, such as mobile connectivity, blogging, and photo/video-sharing. Social networking sites allow users to communicate with people, share ideas, activities, events, and interests within their individual networks. Social network sites such as Facebook, Orkut, and Google+ have attracted millions of users, many of whom have integrated these sites into their daily practices. There are hundreds of Social Networking Sites, with various technological affordances, supporting a wide range of interests and practices. Sites also vary in the extent to which they incorporate new information and communication tools, such as mobile connectivity, blogging, and photo/video-sharing.

1.2 Social Network Sites:

A Definition We define social network sites as web-based services that allow individuals to (1) construct a public or semi-public profile within a bounded system, (2) articulate a list of other users with whom they share a connection, and (3) view and traverse their list of connections and those made by others within the system. While Social Networking Sites have implemented a wide variety of technical features, their backbone consists of visible profiles that display an articulated list of Friends one who are also users of the system. Each profile in Social Networking has unique ID. After joining an Social Networking Sites, an individual is asked to fill out forms containing a series of questions. The profile is generated using the answers to these questions, which typically include descriptors such as age, location, interests, and an "about me" section. Most sites also encourage users to upload a profile photo. Some sites allow users to enhance their profiles by adding multimedia content or modifying their profile's look and feel. Others, such as Facebook, allow users to add modules ("Applications") that enhance their profile.

1.3 Aims and objective

Aims : Product intends to provide a well-established web-based social networking system. This documents a networking system scope, functionalities, requirements and feasibility. This project aims to develop a website which provides a Communication among peoples on network, which works quite similar to Social Networking Site like Facebook, Orkut

etc.

Objective : The objective of the project is to explain and elaborate the concept of "Social Networking

Sites" to the users, hence providing a reliable and efficient Communication online so as to assist users to afford it without much trouble.

- To have attractive and Secure Login page to access

- Make new user account in more user friendly and proper validation of details

- Creating a public profile having social, professional and personal information

- Ease of editing of profile anytime

- Chat with Online friends

- Upload and Share Images on network

- Send messages to other friends

- Reply directly to incoming user messages

- Administration page to keep eye on user operation

- Easily password recovery processing

1.4 Scope :

The social networking website is an online community designed to make social life more active and stimulating. The social network can help you maintain existing relationships with people and share pictures and messages, and establish new ones by reaching out to people you've never met before. This website also provides the features of blogging all at one place. The main idea behind blogging is to share your thoughts with all your friends which can be read by all the users using the website. This blog can be handled by the user as he wants for example adding videos and photos also. This website enhances Advertisements of products. People using this website can buy and sell products from this website. The main purpose behind this Advertisement functionality will help people to buy products in trusted circle.

Project Category RDBMS (Relational Database Management System) A short definition of an RDBMS is a DBMS in which data is stored in tables and the relationships among the data are also stored in tables. The data can be accessed or reassembled in many different ways without having to change the table forms.

1.4 Project features

Management Site

- Home Page
    - Display the summary.
- Member Management
    - List All Members
    - View Member Details
    - Delete Member
- Post Management
    - List All Posts
    - View Post Details
    - Delete Post
- User Management
    - Add New User
    - List All Users
    - View User Details
    - Edit User Details
    - Delete User Details
- Update System Information
- Update Account Details/Credentials
- Login and Logout

Public Site

- Login and Registration
- Home Page/Posts Feed
- Post Form Modal
- Drag and Drop File
- Post Details
- Like/Unlike Posts
- Leave Comments to a Post
- Profile Page
- Member's List of Posts
- Update Account Credentials
- Log

1.5 Feasibility study

After doing the project Social Networking Site, study and analyzing all the existing or required functionalities of the system, the next task is to do the feasibility study for the project. All projects are feasible - given unlimited resources and infinite time. Feasibility study includes consideration of all the possible ways to provide a solution to the given problem. The proposed solution should satisfy all the user requirements and should be flexible enough so that future changes can be easily done based on the future upcoming requirements.

1.5.1 Economical Feasibility

This is a very important aspect to be considered while developing a project. We decided the technology based on minimum possible cost factor.

- All hardware and software cost has to be borne by the organization.
- Over all we have estimated that the benefits the organization is going to receive from the proposed system will surely overcome the initial costs and the later on running cost for system.

1.5.2 Technical Feasibility

This included the study of function, performance and constraints that may affect the ability to achieve an acceptable system. For this feasibility study, we studied complete functionality to be provided in the system, as described in the System Requirement Specification (SRS), and checked if everything was possible using different type of frontend and backend platforms.

1.5.3 Operational Feasibility

No doubt the proposed system is fully GUI based that is very user friendly and all inputs to be taken all self-explanatory even to a layman. Besides, a proper training has been conducted to let know the essence of the system to the users so that they feel comfortable with new system. As far our study is concerned the clients are comfortable and happy as the system has cut down their loads and doing.

1.6 System Requirement:

- Processor Name: Dual Core

- Processor Speed: 3.2 GHz

- RAM: 1 GB

- Hard Disk Capacity: 80 GB

Software Specifications: For Website:

- Technology Implemented: Apache Server

- Language Used: PHP 5.2

- Database: My SQL 5.2

- User Interface Design: HTML, CSS, JAVASCRIPT

- Web Browser: CHROME

For Software Product:

- Operating System: Windows XP/ Windows 7/ Linux

- Programming Language: PHP

- Software: XAMPP Server

CHAPTER 2: LITERATURE REVIEW

Social media is a relatively new term that has evolved as a way to describe various platforms for online communication. Overall, the term *social media* refers to "any technology that facilitates the dissemination and sharing of information over the Internet. More specifically, Kaplan and Hoenlein define social media as a "group of Internet-based applications that build on the ideological and technological foundations of Web 2.0, and that allow the creation and exchange of User Generated Content Web 2.0 indicates the adjustment to the Internet that allowed users to generate content (discussed further below).

Chapter 3: Preliminary Design

System design and social networking:

In this phase, a logical system is built which fulfils the given requirements. Design phase of software development deals with transforming the client's requirements into a logically working system. Normally, design is performed in the following in the following two steps:

3.1 Primary Design Phase:

In this phase, the system is designed at block level. The blocks are created on the basis of analysis done in the problem identification phase. Different blocks are created for different functions emphasis is put on minimizing the information flow between blocks. Thus, all activities which require more interaction are kept in one block.

3.2 Secondary Design Phase:

In the secondary phase the detailed design of every block is performed.

The general task involved in the design process are following:

1. Design various blocks for overall system processes.
2. Design smaller, compact and workable modules in each block.
3. Design various database structures.
4. Specify details of programs to achieve desired functionality.
5. Design the form of inputs, and outputs of the system.
6. Perform documentation of the design.
7. System design.

3.3 Tools and technology

XAMPP- It is a free opensource cross-platform web server solution stack package. Developed by Apache friends, consisting mainly of the Apache HTTP Server.

PHP - 'Hypertext Pre-processor ' is a widely used opensource scripting language.

MySQL Database- MySQL database is a opensource relational database management system based on structured query language

HTML- Hyper Text Markup language is the standard markup language use to create web pages. it is written in the form of HTML elements consisting to *tags* enclosed in angle brackets .

CSS - It is a style sheet language used for describing the look and formatting of document written in a markup language.

JavaScript – JavaScript is the scripting language of the Web. All modern HTML pages are using JavaScript.

Ajax - asynchronous JavaScript and xml used to create asynchronous web Application.

jQuery- it is a JavaScript framework used to make much easier to use JavaScript on our.it accomplish and wrap them into method.

Bootstrap- it is a CSS framework for developing responsive and mobile-first website.
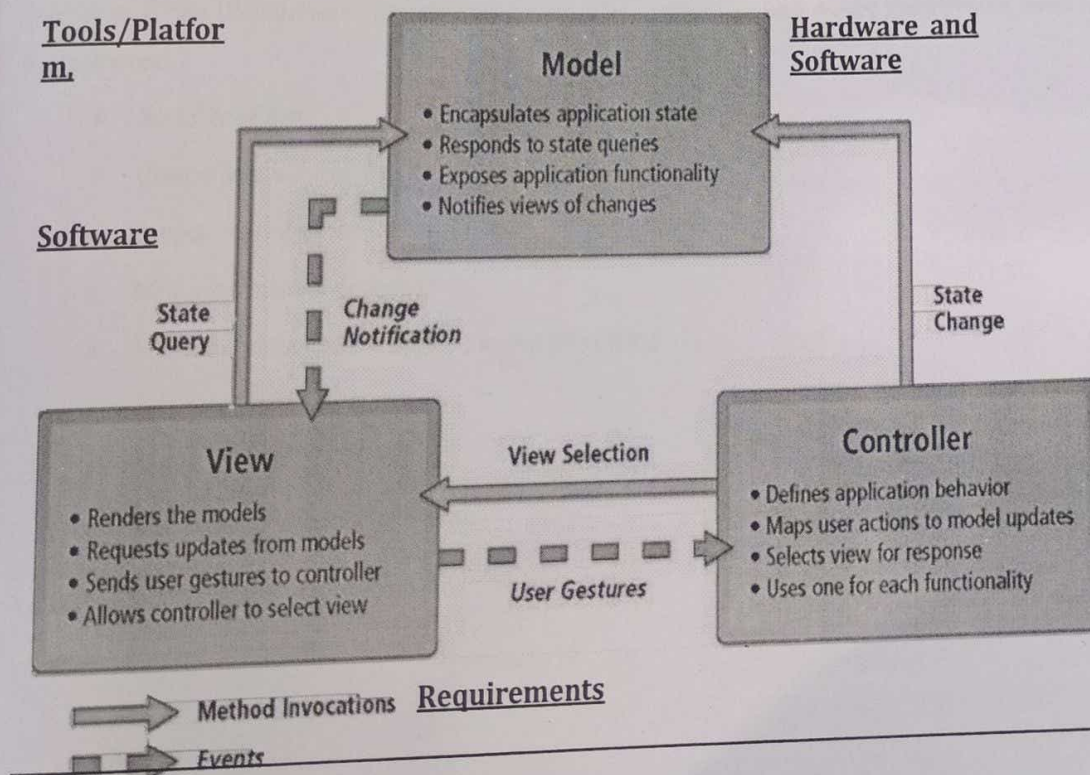
CHAPTER 4: FINAL ANALYSIS

4.1 Implementation methodology

Model View Controller or MVC as it is popularly called, is a software design pattern for developing web applications. A Model View Controller pattern is made up of the following three parts:

- **Model** - The lowest level of the pattern which is responsible for maintaining data.
- **View** - This is responsible for displaying all or a portion of the data to the user.
- **Controller** - Software Code that controls the interactions between the Model and View.

MVC is popular as it isolates the application logic from the user interface layer and supports separation of concerns. Here the Controller receives all requests for the application and then works with the Model to prepare any data needed by the View. The View then uses the data prepared by the Controller to generate a final presentable response. The MVC abstraction can be graphically represented as follows.

MVC (Model View Controller Flow) Diagram

Tools/Platform,

Hardware and Software

Model
- Encapsulates application state
- Responds to state queries
- Exposes application functionality
- Notifies views of changes

Software

State Query

Change Notification

State Change

View
- Renders the models
- Requests updates from models
- Sends user gestures to controller
- Allows controller to select view

View Selection

Controller
- Defines application behavior
- Maps user actions to model updates
- Selects view for response
- Uses one for each functionality

User Gestures

Method Invocations **Requirements**

Events

4.2 Existing system of social networking site

In the existing system the exams are done only manually but in proposed system we   have to computerize the exams using this application.

- Lack of security of data.
- More man power.
- Time consuming.
- Consumes large volume of pare work.
- Needs manual calculations.
- No direct role for the higher officials

4.3 Proposed system of social networking site

The aim of proposed system is to develop a system of improved facilities. The proposed system can overcome all the limitations of the existing system. The system provides proper security and reduces the manual work.

- Security of data.
- Ensure data accuracy's.
- Proper control of the higher officials.
- Minimize manual data entry.
- Minimum time needed for the various processing.
- Greater efficiency.
- Better service.
- User friendliness and interactive.
- Minimum time required.

4.4 Limitations of social networking site

Although I have put my best efforts to make the software flexible, easy to operate but limitations cannot be ruled out even by me. Though the software presents a broad range of options to its users some intricate options could not be covered into it; partly because of logistic and partly due to lack of sophistication. thus, it was not possible to make the software foolproof and dynamic. Lack of time also compelled me to ignore some part such as storing old result of the candidate etc.

Considerable efforts have made the software easy to operate even for the people not related to the field of computers but it is acknowledged that a layman may find it a bit problematic at the first instance. The user is provided help at each step for his convenience in working with the software.

List of limitation:

1.The transactions are executed in off-line mode, hence on-line data for Posts, Shares capture and modification is not possible.

2.Off-line reports of Users, Photos, Posts cannot be generated due to batch mode execution.
    prepared only individual can access the website.

3. Prepared only individual can access the website.

4. Friend request list not Excel export has not been developed for Users, Friends due to some critical

4.5 Output of project

Registration page

Simple Social Networking Site

Please enter your credentials

Username

Password

Go to Website   Sign In
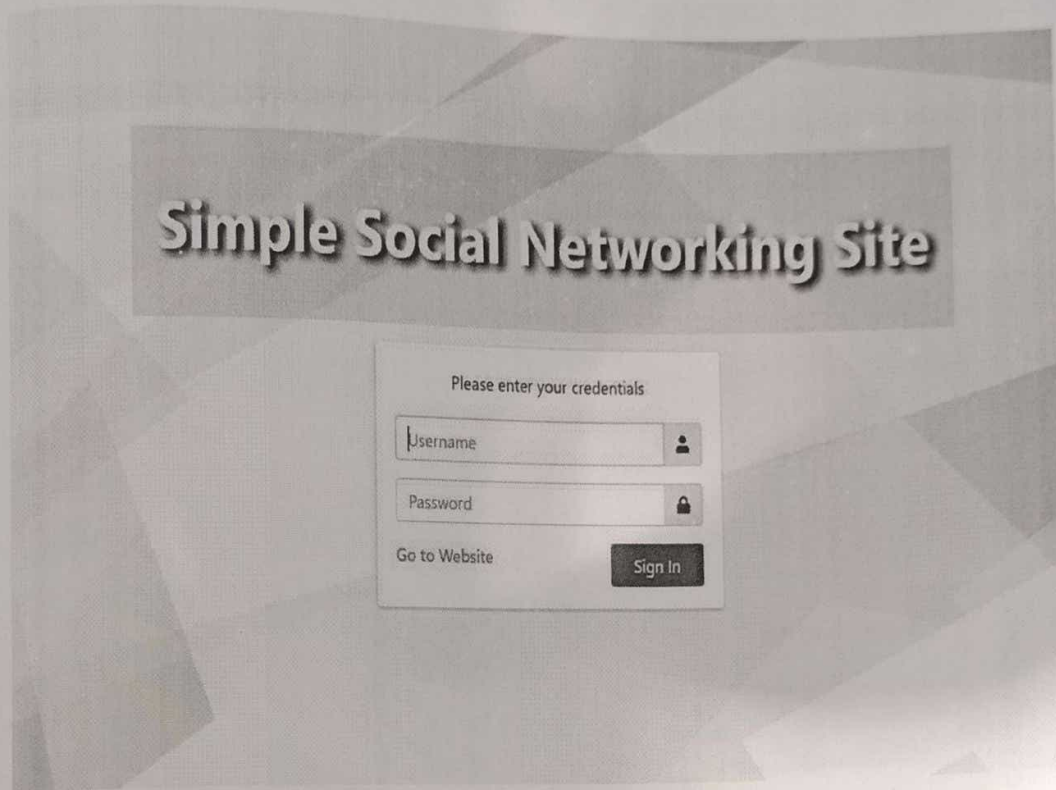
User login

Simple Social Networking Site

Please enter your credentials

Email

Password

Create an Account   Sign In

Admin Site

Admin dashboard

InstaMage – PHP

≡ Simple Social Networking Site – Admin

Administrator Admin ▾

Dashboard

Dashboard

Main

👥 List of Members

📄 List of Posts

Maintenance

👥 User List

✖ Settings ▾

Welcome to Simple Social Networking Site - Management Site

👥 Total Members

4

🖼 Total Posts

5

Home page

Mark D Cooper
Posted 🗓 May 03, 2022 11:13 AM

Sample Post 101
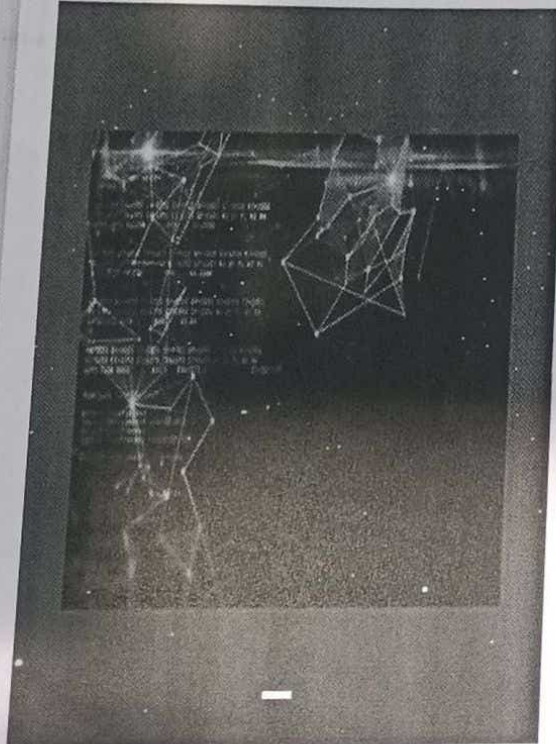
♥2〇3

Claire D Blake test comment	
pankaj kumar singh awesome	⋮

Profile page

InstaMage - PHP   Home ⊞ Upload   Profile

Pankaj Singh ▾
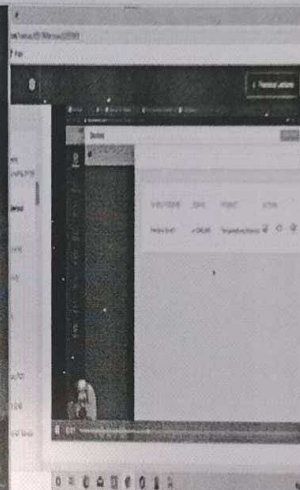
pankaj kumar singh

pankajarmo347@gmail.com

♥ 1 Likes   ♥ 1 Likes   ♥ 1 Likes

💬 1 Comments   💬 0 Comments   💬 2 Comments

CHAPTER 5: CONCLUSION AND FUTURE SCOPE

5.1 Conclusion

Our project is only a humble venture to satisfy the needs to manage their project work. Several user-friendly coding has also adopted. This package shall prove to be a powerful package in satisfying all the requirements of the school. The objective of software planning is to provide a frame work that enables the manger to make reasonable estimates made within a limited time frame at the beginning of the software project and should be updated regularly as the project progresses.

5.2 Future scope

- Update website according to user requirements
- We can add printer in future.

- We can give more advance software for Social Networking Site including more   facilities
- We will host the platform on online servers to make it accessible worldwide

- Integrate multiple load balancers to distribute the loads of the system

- Create the master and slave database structure to reduce the overload of the database queries
- Implement the backup mechanism for taking backup of codebase and database on regular basis on different servers

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