HYBRID ENCRIPTION FOR CLOUD
PROJECT REPORT

A project report submitted in a partial fulfilment of the requirement of the award of the Bachelor of Computer Applications (CBCSS) by the University of Calicut.

Submitted by

MUHAMMAD ASHKAR C **MBAVBCA004**
MUHAMMAD FAYIZ K **MBAVBCA011**
MOHAMMED NIYAS VV **MBAVBCA003**

Under the Guidance of

Ms. SIKHA K KANNAN

(ASSISTANT PROFESSOR IN COMPUTER SCIENCE**)**

DEPARTMENT OF COMPUTER APPLICATIONS

MES COLLEGE, VADAKARA

(Affiliated to the University of Calicut Approved by Govt. of Kerala)

(A minority Educational Institute Approved by Govt. of India with F.no:1892/2011)

Villiappaly, Memunda Po, Vadakara, Kozhikode, Kerala-state -673104

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CERTIFICATE

This is to certify that the project report entitled "**HYBRID ENCRIPTION FOR CLOUD**" has been submitted by **MUHAMMAD ASHKAR C(MBAVBCA004),MUHAMMAD FAYIZ K (MBAVBCA011), MOHAMMED NIYAS VV(MBAVBCA003),** in partial fulfilment for the award of Bachelor of Computer Applications (CBCSS) by the University of Calicut during the academicyear 2023-2024.

Ms. SIKHA K KANNAN
(Lecturer in Charge)

Mrs. NIVYA N
(Head of the Department)

Submitted for the examination held on…….

External Examiner 1.
2.

ACKNOWLEDGEMENT

We have taken efforts in this project. However, it would not have been possible without the kind support and help of many individuals and organizations. We would like to extend our sincere thanks to all of them.

First of all, we would like to express our hearty gratitude to THE ALMIGHTY GOD for being the source of support during my project work.

We would like to place my sincere thanks to **Dr. T JAMAL MOHAMMED**, Principal Of MES College Vadakara for this support of carrying out this project work.

We gratefully indebted to my internal guide **Ms. SIKHA K KANNAN** (Internal Guide, Department of Computer Science) for her schematic advice to accomplish the project work. We would like to express our special gratitude and thanks for her censorious help and guidance.

We highly indebted to **Mr. ASHIK NC** (External Guide) for their guidance and constant supervision as well as for providing necessary information regarding the project & also for their support in completing the project.

We would like to express our gratitude towards our parents and members of MES College Vadakara for their kind co-operation and encouragement which helped us in completion of this project.

Our special thanks and appreciation also goes to our colleagues in developing the project and peoplewho have willingly helped us out with their abilities.

DECLARATION

We here by declare that this report entitled " **HYBRID ENCRIPTION FOR CLOUD** " is a report of project work carried out by us in partial fulfilment of the requirement for the awardof degree in Bachelor of Computer Applications by the University of Calicut. We also declare that this project is not submitted to any other University or Institutions for the academic purpose.

MUHAMMAD ASHKAR C (MBAVBCA004)
MUHAMMAD FAYIZ K (MBAVBCA011)
MOHAMMED NIYAS VV (MBAVBCA003)

Place:

Date :

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SYNOPSIS

SYNOPSIS

In this digital world, as the internet has become an integral part of our daily life and we are heavily using it to exchange data of numerous types. Cloud computing is also a type of internet-based computing which has established itself as a potential business model of the most rapidly expanding sector of the information technology industry. Most IT-related businesses, organizations, and educational institutions migrating their operations to the cloud to save their IT infrastructure cost and maintenance. On the other hand, people are also worried about the safety and privacy of their data, which is kept on the servers of the service providers. To address this aspect, in this paper, we have studied existing available solutions given by many researchers and proposed a novel hybrid encryption scheme as a means of ensuring the confidentiality and safety of the data stored in our cloud-based dynamic environment. The term "cloud computing" refers to a network paradigm providing ubiquitous, on-demand access to a pool of configurability computing resources over the internet. Various businesses use the cloud in accordance with their convenience based on the three different service models and four different deployment types.

INTRODUCTION

INTRODUCTION

HYBRID ENCRIPTION FOR CLOUD

The term "cloud computing" refers to a network paradigm providing ubiquitous, on-demand access to a pool of configurability computing resources over the internet (e.g., servers, applications, services, and networks). Various businesses use the cloud in accordance with their convenience based on the three different service models (SaaS, PaaS, and IaaS) and four different deployment types (Public cloud, Hybrid cloud, Private cloud, and Community cloud) [1]. The software and data that a user or client accesses may be kept on various servers spread across various locations. Because of internet-based computing both service providers and users faced with various security challenges like how to maintain the confidentiality, integrity, and availability of the customer data [2]. As virtualization is the backbone of cloud computing model. To preserve and use data, many governments have created and implemented several laws and regulations. Since the credit card sector in the US has been safe, very strict security measures are becoming the norm. More nations are forming an alliance or conglomerate to establish strict security standards. As per the characteristics of cloud model is serviceoriented and prioritizes lowering costs, using less equipment, and only paying for services that are really used. The cloud can be accessed from anywhere because it is managed remotely. The cloud provider makes use of computer services. Important data on the cloud may be accessed by unauthorised people, making it unsecure[3]. Therefore, there is a need of a strong encryption technique for this internet based cloud computing model. Cryptography provides a number of techniques to encrypt and decrypt the plain text s that we can achieve the confidentiality and our message will remain secret from the intruder. There are two main systems: symmetric and asymmetric cryptosystems that are very famous nowadays [4]. In symmetric cryptosystem, we will use the same key for the encryption and decryption. DES, 3DES, AES, Blowfish are common names of symmetric encryption, whereas there will be two different keys known as private and public keys: one for the encryption and another for the decryption. Asymmetric encryption technique is widely used in digital signature generation and hashing that is mostly used in blockchain technology. ECC and RSA algorithms are widely used asymmetric encryption techniques. Therefore, with the help of cryptography, we can easily achieve the CIA (Confidentiality, Integrity, and Availability) three pillars of information security [5].

OBJECTIVES OF THE PROJECT

OBJECTIVES OF THE PROJECT

The objectives of "**HYBRID ENCRIPTION FOR CLOUD**" project could encompass a range of goals aimed at ensuring the confidentiality, integrity, and availability of data stored in the cloud. Here are some potential objectives for such a project:

Enhanced Security: Develop a hybrid encryption technique that combines the strengths of both symmetric and asymmetric encryption algorithms to provide a higher level of security for cloud data.

Confidentiality: Ensure that sensitive data stored in the cloud remains confidential and cannot be accessed by unauthorized entities. The encryption scheme should be resistant to attacks such as brute force, cryptanalysis, and other common threats.

Efficiency and performance: Design the hybrid encryption technique to be computationally efficient and not impose significant overhead on cloud storage and retrieval operations. Strive for a balance between security and performance.

Key Management: Implement a robust key management system that securely generates, distributes, and stores encryption keys. The system should include mechanisms for key rotation and revocation to enhance overall security.

Interoperability: Ensure that the hybrid encryption technique is compatible with different cloud service providers and can be seamlessly integrated into existing cloud infrastructures. This will enhance the versatility and adoption of the proposed solution.

Scalability: Design the encryption system to scale efficiently with the increasing volume of data stored in the cloud. It should be able to handle large datasets without compromising on performance or security.

Usability and User Experience: Consider the user experience of individuals or organizations utilizing the cloud service. The encryption system should be user-friendly and easy to deploy, manage, and monitor.

Compliance: Ensure that the proposed encryption technique complies with relevant data protection and privacy regulations, such as GDPR, HIPAA, or other regional and industry-specific standards.

Resilience to Attacks: Evaluate and enhance the encryption scheme's resilience against various types of attacks, including side-channel attacks, replay attacks, and man-in-the-middle attacks.

Monitoring and Auditing: Implement mechanisms for monitoring and auditing encrypted data access and modifications. This ensures that any suspicious activity can be detected and investigated promptly.

Documentation and Training: Provide comprehensive documentation for users and administrators on the proper implementation, configuration, and maintenance of the hybrid encryption technique. Additionally, offer training sessions to users and administrators to ensure proper understanding and utilization of the security features.

SYSTEM ANALYSIS

SYSTEM ANALYSIS

System analysis is the process of gathering and interpreting facts, diagnosing and using this information to recommended improvements to the system. The objectives of the system analysisphase are the establishment of the requirements for the system to be acquired ,developed and installed . System analysis is for finding out what happens in the existing system deciding on what changes and features are required and defining exactly what the proposed system must beanalysis specified what the system should do.

FEASIBILITY STUDY

A feasibility study is a preliminary study undertaken to determine and document a project's viability. The results of the study are used to make a decision whether to proceed with project. If it indeed leads to a project being approved , it will - before the real work of the proposed project starts - be used to ascertain the likelihood of the project's success. It is ananalysis of possible alternative solutions to a problem and a recommendation on the best alternative. It, for example, can decide whether an order processing the carried out by a new system more efficiently than the previous one. The feasibility study proposes one or moreconceptual solutions to the problem set for the project. The conceptual solution gives an idea of what the new system will look like. They define what will be done on the computer and what will remain manual. It also indicates what input will be needed by the system and what outputs will be produced. These solution should proven feasible and preferred solution is accepted. The feasibility study environment enables all alternatives to be discussed and evaluated. This phase starts with an identification of the main characteristics of the required system. During this stage it is important to collect information as much as possible about the software package that might meet the specification from as many sources as possible. Normally, the central endeavor of a feasibility study is a cost benefit analysis ofvarious alternatives can be defined as a systematic comparison between the cost of carrying out a service or activity and the value of that service or activity. The main benefits are qualitativethan quantitative.

AUTOMATIONAL feasibility study could be used to test a new working system, which couldbe used because:

- The current system may no longer suit its purpose,
- Technological advancement may have rendered the current system obsolete,
- The business is expanding, allowing it to copy with extra work load,
- Customers are complaining about the speed and quality of the work business provides.
- Competitors are now winning a big enough market share due to an effective integration of a computerized system.

When a new project is proposed ,it normally goes through feasibility assessment.Feasibility study is carried out to determine whether the proposed system is possible to develop with available resources and what should be cost consideration .

Facts considered in the feasibility analysis were

- Technical Feasibility
- Operational Feasibility
- Economical Feasibility
- Behavioral Feasibility
- Legal Feasibility
- Scheduled Feasibility

1. TECHNICAL FEASIBILITY

This involves questions such as whether the technology needed for the system exists, how difficult it will be to build, and whether the firm has enough experience using that technology. The assessment is based on an outline design of system requirement in terms of input, output,fields, programs and procedures. This can be qualified in terms to the technical system. The system requires normal configuration computer system that is commonly available. The software requirements are C .net, windows 8 0r higher versions of OS. Thus system istechnically feasible.

2. OPERATIONAL FEASIBILITY

This analysis involves how it will work when it is installed and the assessment of political and managerial environment in which it is implemented. People are inherently resistant to change and computers have been known to facilitate change. The new proposed system is very muchuseful to the users and there for it will accept broad audience.

The proposed system offers:

- Greater user friendliness
- Better output which can be easily interpreted
- Higher speed
- Meets the requirements of the organizations

3. ECONOMICAL FEASIBILITY

This involves questions such as whether the firm can afford to build the system, whether its benefits should substantially exceed its costs, and whether the project has higher priority andprofits than other projects that might use the same resource. This also includes whether the project is in the condition to fulfil all the eligibility criteria and the responsibility of both sides in case there are two parties involved in performing any project.

This study presents tangible and intangible benefits from the project by comparing the developments and operational costs. The technique of cost benefit analysis is often used as a basis for assessing economic feasibility. This system needs some more initial investment thanthe existing system, but it can be justifiable than it will improve the quality of service.

Thus feasibility study should center along the following points: pvement resulting over the existing method in terms of accuracy, timeliness.

- Cost comparison
- Estimate on the life expectancy of the hardware
- Overall objective

4. BEHAVIOURAL FEASIBILITY

This analysis involves how it will work when it is installed and the assessment of politicaland managerial environment in which it is implemented. People are inherently

resistant tochange and computers have been known to facilitate change.

Determines, whether the proposed system conflicts with legal requirement. E.g. a data processing system must comply with the local Data Protection Acts.

A project will fail if it takes too long to be completed before it is useful. Typically this meansestimating how long the system will take to develop, and if it can be completed in a given timeperiod using some methods like payback period.

Scheduling feasibility is a measure of how reasonable the project timetable is given our technical expertise, are the project deadlines reasonable? Some projects are initiated with specific deadlines. You need to determine whether the deadlines are mandatory or desirable.

PROJECT SCHEDULING

For the successful completion of the every project there must be detailed scheduling. The software development has different participating steps. First of all, I've done the requirement analysis phase. For this I visit different sites that offer resume writing helps, visits different business websites, and I discuss with my friends and project guide.

After collecting the requirements a detailed study of preliminary investigation is done. It includes six major questions.

1. what is being done?
2. How it is being done?
3. Done a problem exist?
4. If a problem exists how severe it is?
5. How frequently does it occur?
6. What is main reason for that problem?

After the analysis phase the requirement is divided into modules. The design document is divided into modules. The document is created, which includes data flow diagram, ER diagrams etc.

As next step the actual development of the system takes place. The design representation are translated into codes. Documentation of codes is done by providing an explanation of how procedures are used. Documentation is essential to test the program and carry on maintenance once the application has been installed.

As next step testing is done. After a system has been developed it is very important to check ifit fulfils the customer requirements.

Implementation of the system means putting up system on user's side. Like any system there is an aging process. Therefore, the system requires periodic maintenance for software or hardware.

EXISTING SYSTEM

Many cloud providers offer robust access control and identity management features. This allows you to define who can access your data and what actions they can perform. You can set permissions and authentication methods to restrict unauthorized access. Cloud service providers typically offer encryption for data at rest and data in transit. Data at rest is encrypted while stored on the cloud servers, and data in transit is encrypted during transmission to and from the cloud. You can classify and label your data based on its sensitivity. This helps in automatically applying security policies to different types of data. For example, you can label data as "public," "internal," or "confidential."

PROPOSED SYSTEM

In an era where cloud computing is pervasive and data privacy is paramount, our project aims to address these concerns through a novel hybrid encryption system. We recognize the importance of securing data in the cloud and have designed a comprehensive system that combines the strengths of both symmetric and asymmetric encryption methods, ensuring confidentiality and safety of data stored in the cloud.

This core component is responsible for encrypting data before it is uploaded to the cloud and decrypting it when retrieved.It uses a hybrid encryption approach, combining symmetric and asymmetric encryption. Manages encryption keys, including symmetric keys for data encryption and asymmetric keys for secure key exchange. Implements robust access controls to determine who can access data. Data is encrypted during transmission to and from the cloud using secure protocols.

SYSTEM REQUIREMENT SPECIFICATION

SYSTEM REQUIREMENT

HARDWARE SPECIFICATION

The selection of hardware is very important in the existence and proper working of any of thesoftware. When selecting hardware, the size and capacity requirements are also important. The hardware must suit all application development

- Processor : i3 or above.
- System Bus : 32Bit or 64Bit
- RAM : 4 GB or Above
- HDD : 500 GB or Above
- Monitor : 14" LCD or Above
- Key Board : 108 Keys
- Mouse : Any Type of mouse
- Mobile : Android supported mobile phone

SOFTWARE SPECIFICATION

One of the most difficult tasks is selecting software, once the system requirement is found out then we have to determine whether a particular software package fits for those system requirements. This section summarizes the application requirement.

- perating System : Windows 10 Any 32 bit or 64-bit platform
- Front End : HTML,CSS,JAVA SCRIPT
- Back End : Python,MySQL Sever
- IDE : Python 3.6 or above
  : PyCharm

DATABASE DETAILS

DATABASE DETAILS

Database design is the process of producing a detailed data model of a database. This logical data model contains all the needed logical and physical design choices and physical storage parameters needed to generate a design in a data definition language, which can then be used to create a database. The term database design can be used to describe many different parts of the design of an overall database system. Principally, and most correctly, it can be thought of as the logical design of the base data structures used to store the data. In the relational model these are the tables and views. In an object database the entities and relationships map directly to object classes and named relationships. However, the term database design could also be used to apply to the overall process of designing, not just the base data structures, but also the forms and queries used as part of the overall database application within the database management system. The process of doing database design generally consists of a number of steps which will be carried out by the database designer.

Usually, the designer must

- Determine the relationships between the different data elements
- Superimpose a logical structure upon the data on the basis of these relationships

The following factors are to be considered while designing database

- Organize data into columns
- Decide the primary key
- Normalization.

NORMALISATION

Normalization is the process of decomposing a set of relations with anomalies to produce smaller and well-structured relations that contain minimum redundancy. It is a formal process of deciding which attributes should be grouped together in a relation.

FIRST NORMAL FORM

First Normal form (INF) is now considered to be part of the formal definition of relational model. INF is designed to disallow multivalve attribute, composite attributes, and their combinations. It states that the domain of an attribute must include only atomic values. A domain is atomic, if elements of the domain are considered to be indivisible units. We say thata relational schema R is in INF if the domain of all attributes of R' is atomic.

SECOND NORMAL FORM

Second Normal form (2NF) is based on the concept of functional dependency. A relation R is in 2NF if it is in INF and every non key attribute A of R is fully dependent on the primary key. That is, relation is said to be in 2NF if each attribute Ain R meets one of the following criteria:

- It appears in the primary key.
- It is fully functionally dependent on the primary key

THIRD NORMAL FORM

Third Normal form (3NF) is based on the concept of transitive dependency. A relation is said to be in 3NF if it is in 2NF and has no transitive dependencies. That is all the non key attribute should be functionally determined by the primary key. In the proposed system all attributes of tables are fully depends on the primary key only that is all non-key attributes are mutually independent.

DATABASE TABLES

LOGIN:

Column Name	Type	size	Constraints
Login_id	int	11	Primary key
Username	varchar	30	Not null
password	varchar	30	Not null
type	varchar	30	Not null
uid	int	11	Not null

ALERT:

Column Name	Type	size	Constraints
Alert_id	Int	30	Primary key
Alert	Varchar	30	Not null
Date	Date		Not null
Time	Time		Not null

FILE:

Column Name	Type	size	Constraints
File_id	Int	30	Primary key
File name	Varchar	30	Not null
Type	Varchar	30	Not null
User_id	Int	30	Foreign key
Status	varchar	50	Not null

COMPLAINT:

Column Name	Type	size	Constraints
Complaint_id	Int	50	Primary key
User_id	Int	50	Foreign key
Complaint	Varchar	100	Not null
Reply	Varchar	100	Not null
Date	Date		Not null
Time	Time		Not nul

FEEDBACK:

Column Name	Type	size	Constraints
Feedback_id	Int	50	Primary key
Feedback	Varchar	100	Not null
Date	Date		Not null
Time	Time		Not null
User_id	Int	50	Foreign key

CHAT:

Column Name	Type	size	Constraints
Chat_id	Int	50	Primary key
Chat	Varchar	100	Not null
File	Varchar	300	Not null
Date	Date		Not null
time	Time		Not null

REQUEST:

Column Name	Type	size	Constraints
Req_id	Int	50	Primary key
Status	Varchar	100	Not null
Date	Date		Not null
Time	Time		Not null
User_id	Int	50	Foreign key

RECYCLE BIN:

Column Name	Type	size	Constraints
Bin_id	Int	50	Primary key
Bin name	Varchar	100	Not null
Date	Date		Not null
Time	Time		Not null

USER:

Column Name	Type	size	Constraints
User_id	Int	30	Primary key
Name	Varchar	30	Not null
Age	Int	30	Not null
Email	Varchar	30	Not null
Phone NO.	Varchar	30	Not null
Address	Varchar	30	Not null
Gender	Varchar	30	Not null
Status	Varchar	30	Not null
Password	varchar	50	Not null

COMMENT:

Column Name	Type	size	Constraints
Comment_id	Int	50	Primary key
Comment	Varchar	1000	Not null
Date	Date		Not null
Time	Time		Not null
User_id	int	50	Foreign key

FRIENDS:

Column Name	Type	size	Constraints
Friend_id	Int	50	Primary key
Friend name	Varchar	100	Not null
Age	Int	50	Not null
Gender	varchar	100	Not null
Email	Varchar	100	Not null
Address	Varchar	100	Not null
Status	varchar	100	Not null
User_id	Int	50	Foreign key

SYSTEM DESIGN

SYSTEM DESIGN

USERS OF THE SYSTEM

- ADMIN
- USER
- TECHINICAL

MODULE EXPLANATION

ADMIN

The system facilitates user authentication and management, enables users to post alerts, manage files, access a list of blocked files, review and respond to complaints, and view feedback in a streamlined interface:

- Login
- Manage User
- Post Alert
- View and Mange Files
- View Blocked Files
- View Complaint and Reply
- View Feedback

USER

The platform enables users to register and login, manage friends by viewing and adding them, share files, search for specific files, receive and view alerts, engage in chat functionalities, post complaints and view replies, provide feedback and comments, access a file access log, utilize a recycle bin, and engage in personal file sharing:

- Register
- Login
- View and Add Friends
- View Accepted Friends
- File Sharing

- Search File
- View Alert
- Chat
- Post Complaint
- View Reply
- Post Feedback
- Post Comment
- File Access Log
- Recycle Bin
- Personal File Sharing

TECHNICAL

The system employs Advanced Encryption Standard (AES) for secure file transfer, utilizing encryption during the upload process and decryption during download to ensure data confidentiality and integrity:

- AES
  (Upload Using Encryption,Download Using Decryption)

ARCHITECTURE DESIGN

Architecture is an overall structure of a system. Architecture takes into consideration the overallworking of the system, Large system can be decomposed into sub-systems that provide some related set of services. The initial design process of identifying these sub- systems and establishing a framework for sub-systems control and communication is called architecture design.

Architecture design usually comes before detailed system specification. Architecture decomposition is necessary to structure and organize the specification. There is no generally accepted process depends on application knowledge and on the skill and intuition of the system architecture.

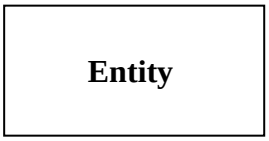
ENTITY RELATIONSHIP DIAGRAM

An ER diagram can express the overall structure of the database graphically. ER diagrams are simple and clear. ER diagram often use symbols to represent three different types of information. Boxes are commonly used to represent entities. Diamonds are normally used to represent relationships and ovals are used to represent attributes.

Entity Relationship Diagram Notations

Entity:

An entity is an object or concept about which you want to store information



Attribute:

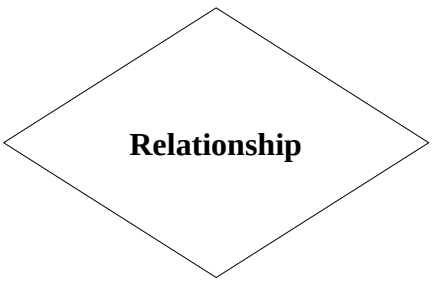
Each entity has attribute, or particular properties that describe the entity.

Key Attribute:

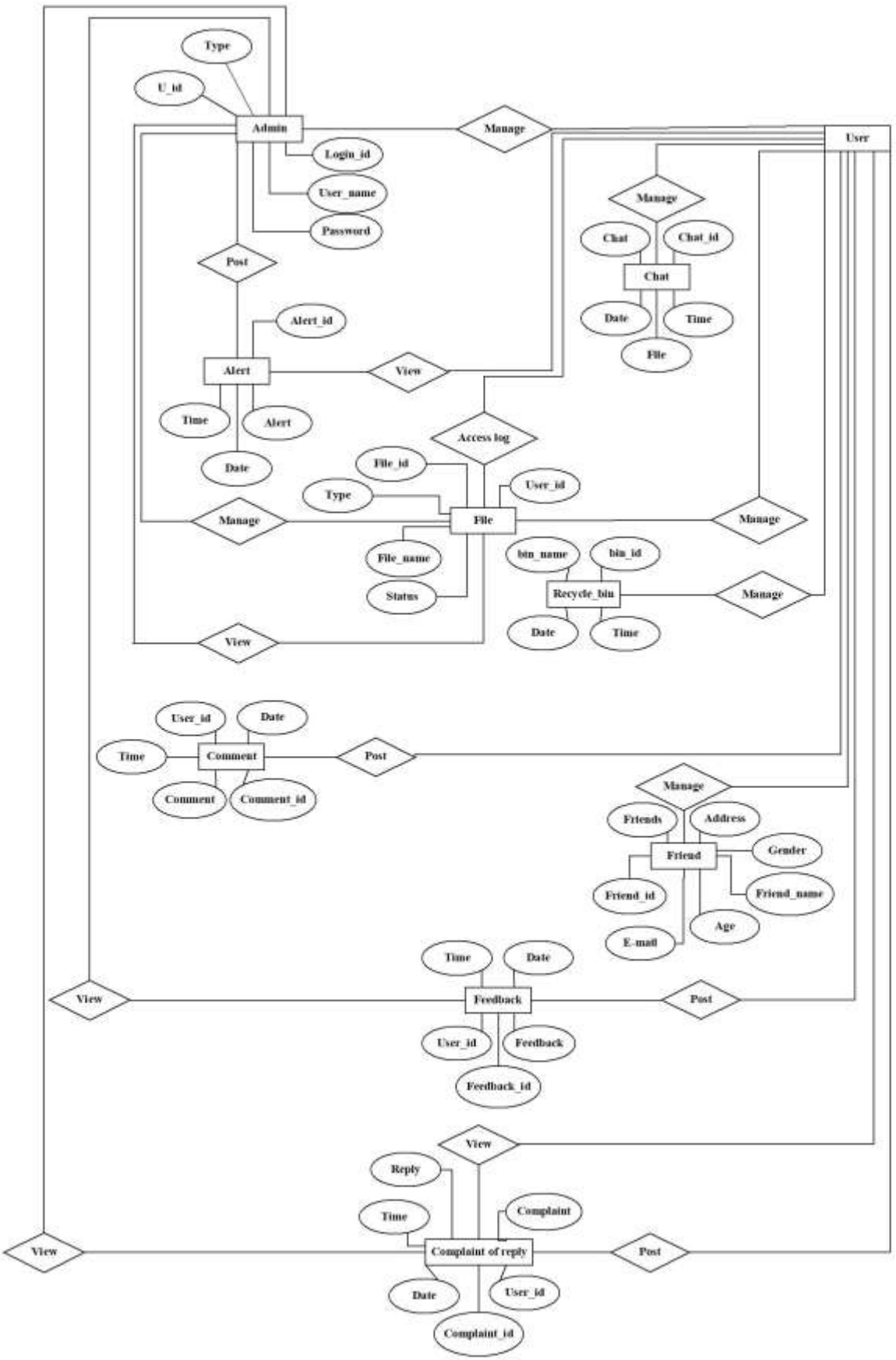
A key attribute is the unique, distinguishing characteristics of the entity.

Relationships:

Relationships illustrate how two entities share information in the database structure.



ER DIAGRAM


Type
U_id
Admin
Manage
User
Login_id
User_name
Password
Post
Manage
Chat
Chat_id
Chat
Date
Time
File
Alert_id
Alert
View
Time
Alert
Date
Access log
File_id
Type
User_id
Manage
File
Manage
File_name
Status
bin_name
bin_id
Recycle_bin
Manage
Date
Time
View
User_id
Date
Time
Comment
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Manage
Friends
Address
Friend
Gender
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Friend_name
Age
E-mail
Time
Date
View
Feedback
Post
User_id
Feedback
Feedback_id
View
Reply
Time
Complaint
View
Complaint of reply
Post
Date
User_id
Complaint_id

DATA FLOW DIAGRAM

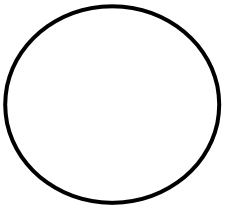
DFD DESIGN NOTATIONS

Data Flow Diagram is the graphical description of the system's data and how the processes transform the data. Data Flow Diagram depicts information flow, and the transforms that are applied as data move from the input to output. It is the starting point of the design phase that functionally decomposes the requirement specifications down to the lowest level of details. Thus a DFD describes what data flows (logical) rather than how they are processed. Unlike detailed flowchart, Data Flow Diagrams don't supply detailed description of the modules but graphically describes a system's data and how the data interacts with the system

In DFD, there are four main symbols:

- Source or destination of data

- Flow of data

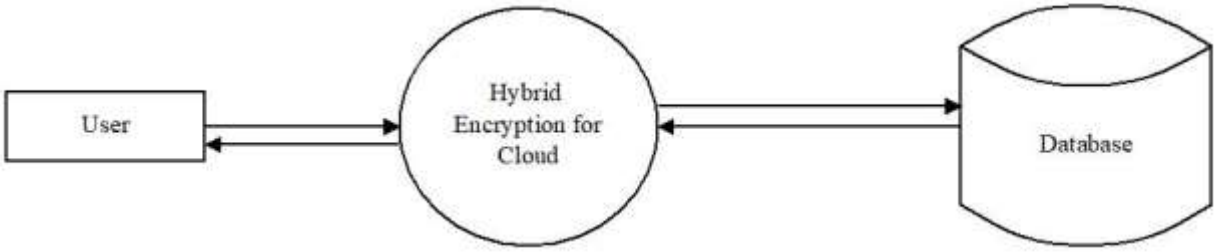


- Process

- External Entity

- Data Store

LEVEL 0



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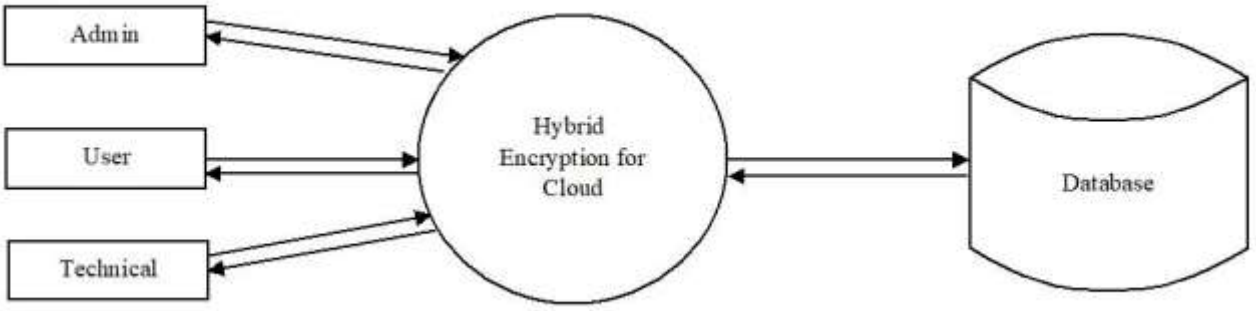

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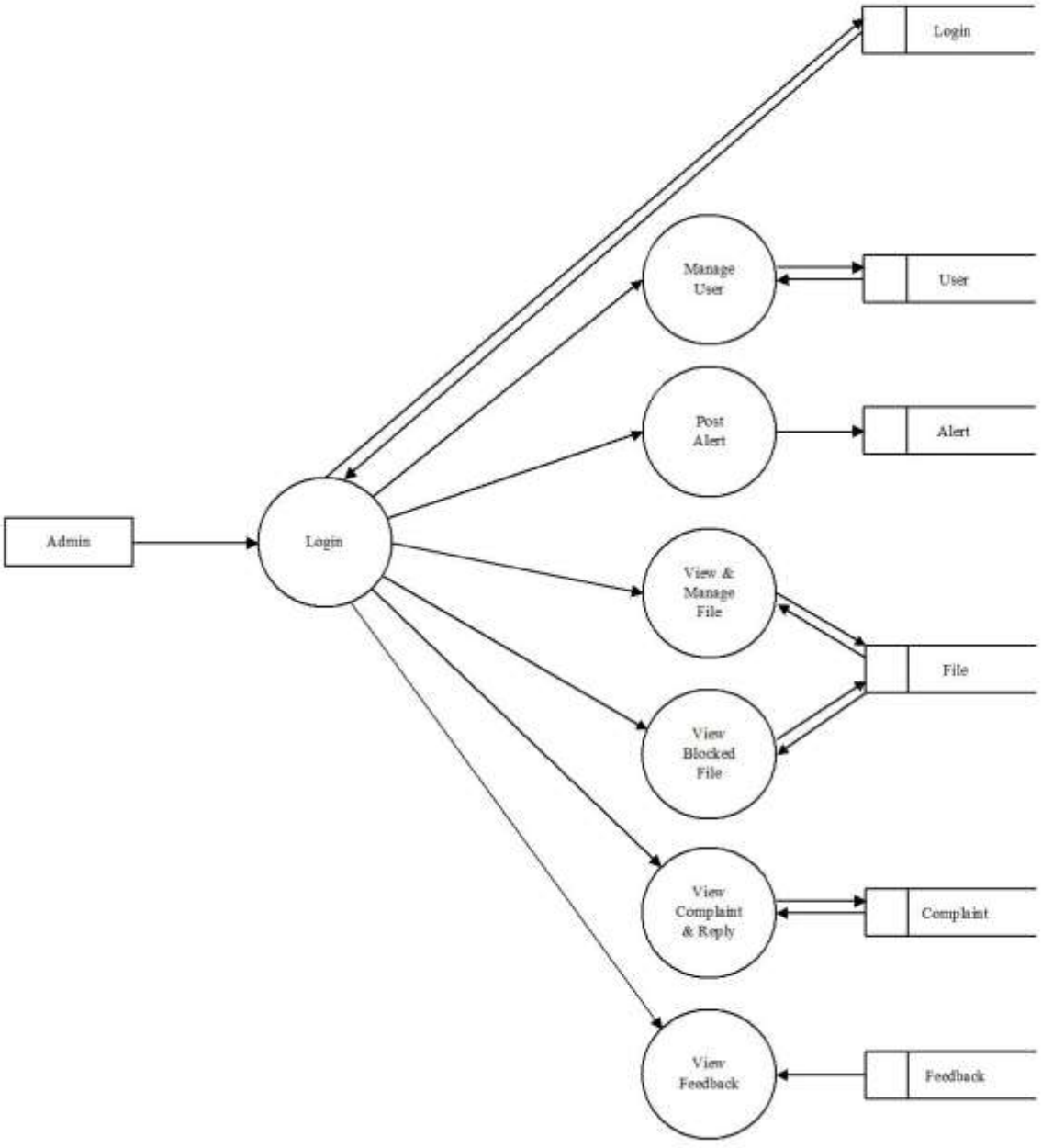
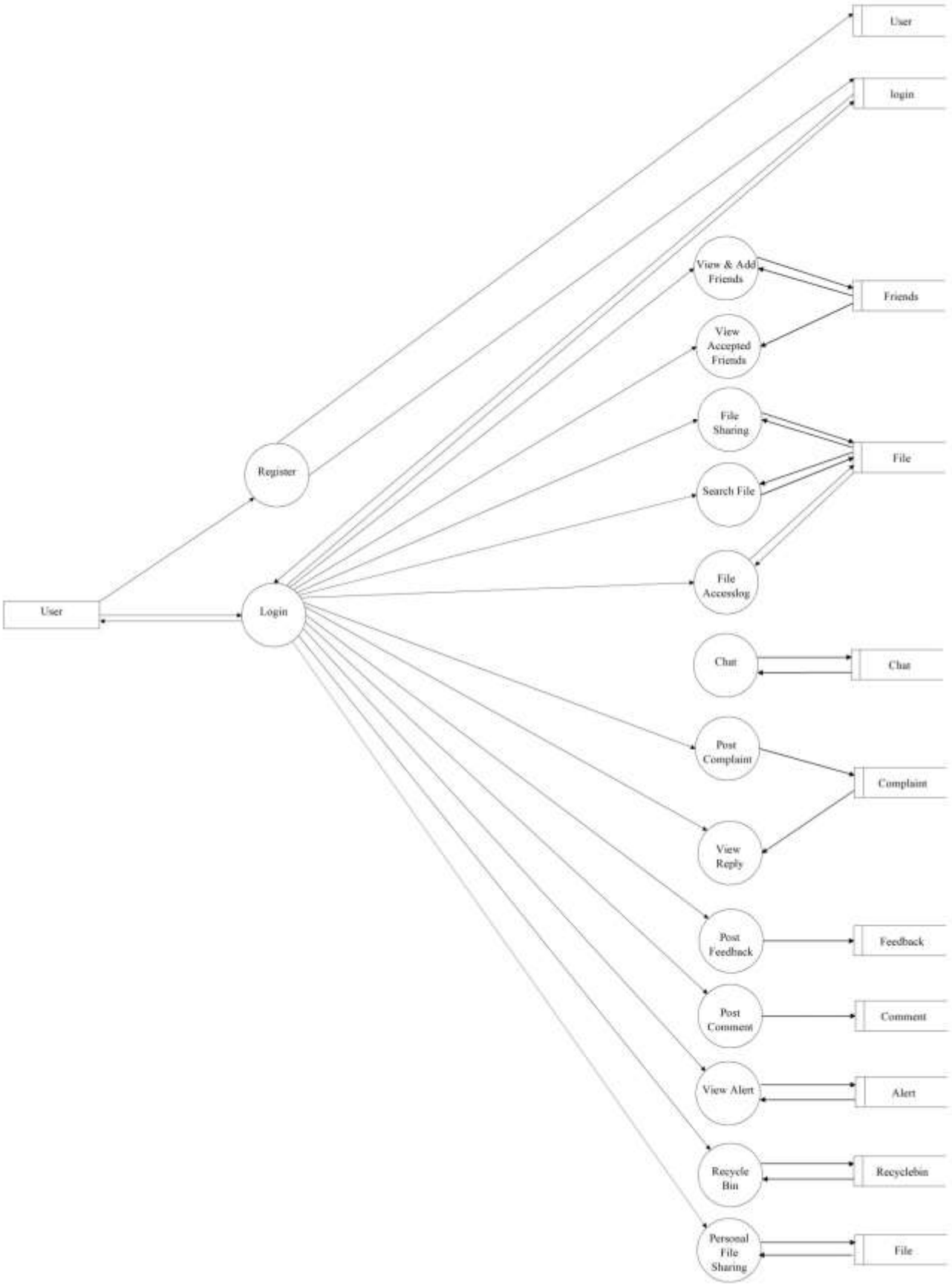

Admin
Login
Login
Manage User
User
Post Alert
Alert
View & Manage File
File
View Blocked File
View Complaint & Reply
Complaint
View Feedback
Feedback

LEVEL 3


User
Register
Login
User
login
View & Add Friends
Friends
View Accepted Friends
File Sharing
File
Search File
File Accesslog
Chat
Chat
Post Complaint
Complaint
View Reply
Post Feedback
Feedback
Post Comment
Comment
View Alert
Alert
Recycle Bin
Recyclebin
Personal File Sharing
File

INPUT DESIGN

Input design is the link that ties the information system into the world of its user. Inaccurate input data are the most common cause of errors in data processing. Error entered by data entry operators can be controlled by input design. It is the process of converting user originated input to a computer-based format. The input design involves determining what the inputs are, how the data should be performed, how to validate data, how to minimize data entry and how to provide a multi-user facility. The input data are collected and organized into groups of similar data. In input data design, the designing of source document that capture the data and then selected the media used to enter them into the computers. The source document may be entered into the system through punch cards, dies or even directly from keyboard.

OUTPUT DESIGN

Computer output is the most important and direct source of implementation of the user. Efficient intelligible, output design should improve the system's relationship with the user and help in decision making It is very important phase because the output needs to be in an attractive manner. The success or failure of software is decided by the integrity and correctness output that is produced from the system. One of the objectives behind the automation of business system itself is the fast and prompt generation of reports in a short period of time. In today's competitive world of business, it is very important for companies to keep themselves up to date about the happening in the business. Prompt and reliable reports are considered to be the lifetime of every business today. So the output report generated by the software system is of paramount importance.

OVERVIEW OF THE SOFTWARE

TECHNOLOGY

FRONT END SOFTWARE

HTML(HyperText Markup Language)

HTML (Hypertext Markup Language) serves as the backbone of the front end by providing the structure and semantics for web pages. In the context of a project record system, HTML would be used to define the various elements of the user interface such as forms, tables, buttons, and text inputs. These elements help organize and present project-related information in a clear and accessible manner.

- HTML is the standard markup language for creating web pages and web applications.
- It provides the structure of the content on a web page by using elements like headings, paragraphs, lists, links, images, forms, etc.
- In the context of a project record application, HTML would be used to define the structure of the pages, such as the layout of project details, forms for adding or editing records, etc.

CSS (Cascading Style Sheet)

CSS (Cascading Style Sheets) complements HTML by handling the visual presentation of web pages. With CSS, developers can control aspects like layout, colors, fonts, and spacing to create a visually appealing and cohesive design for the project record system. Consistent styling across different pages enhances usability and reinforces branding elements, contributing to a more professional and user-friendly experience.

- CSS is used for styling the HTML elements, controlling their appearance, layout, and presentation on the web page.
- It allows developers to define colors, fonts, spacing, borders, and other visual aspects of the UI.
- In the project record application, CSS would be utilized to ensure consistent branding, layout, and styling across all pages, making the application visually appealing and user-friendly.

JavaScript

JavaScript is a dynamic scripting language used to add interactivity and functionality to web pages. In the project record system, JavaScript would enable features such as client-side validation, dynamic content updates, and asynchronous communication with the server. For instance, JavaScript could be utilized to validate user inputs in real-time, providing instant feedback on data entry errors and improving the overall user experience.

- JavaScript is a programming language that enables interactive and dynamic functionality on web pages.
- It allows developers to add behavior to web pages, such as handling user interactions, responding to events, and manipulating the content of the page in real-time.
- In the context of a project record application, JavaScript would be used to add interactivity and dynamic functionality to the user interface. For example, you could use JavaScript to validate form inputs, filter and sort project records, and update the content of the page without needing to reload it.

Together, HTML, CSS, and JavaScript form the backbone of front end software development, allowing developers to create engaging and responsive user interfaces for project record systems. By leveraging these technologies effectively, developers can design interfaces that streamline data management, enhance user productivity, and facilitate seamless collaboration on projects.

BACK-END SOFTWARE

PYTHON

Python is a versatile programming language commonly used for developing front-end software applications, particularly through frameworks and libraries that facilitate web development. Python front-end development typically involves using frameworks such as Django, Flask, or FastAPI, along with front-end libraries like Flask-RESTful, Dash, or Streamlit.

In a single sentence, Python front-end software technology encompasses the utilization of Python programming language in conjunction with web development frameworks and libraries to create interactive and user-friendly graphical interfaces for applications.

Here are some key features of Python:

Simple and Readable Syntax: Python's syntax is clear and easy to read, which makes it accessible for beginners and reduces the cost of program maintenance.
Interpreted Language: Python is an interpreted language, meaning that the code is executed line by line, which allows for quick development and testing without the need for compilation.
High-level Language: Python is a high-level language, abstracting many low-level details, making it easier for developers to focus on solving problems rather than dealing with complex memory management or hardware interactions.
Dynamic Typing: Python is dynamically typed, meaning that the type of a variable is interpreted at runtime. This flexibility makes it easy to write code quickly but may require additional attention to type-related issues during runtime.
Cross-platform Compatibility: Python is platform-independent, and Python programs can run on various operating systems, including Windows, macOS, and Linux.
Extensive Standard Library: Python comes with a vast standard library that includes modules and packages for a wide range of tasks, from handling file I/O to implementing web servers. This makes Python a powerful language for diverse applications without the need for external dependencies.

PyCharm

PyCharm is an integrated development environment (IDE) used in computer programming,specifically for Python language.

- It provides code analysis, a graphical debugger, an integrated unit tester, integration with version control systems (CVSs) and supports web development with Django
- Coding assistance and analysis, with code completion, syntax and error highlighting, linter integration, and quick fixes
- Project and code navigation: specialized project views, file structure views and quick jumping between files, classes, methods and usages.

Python is dynamically typed and garbage-collected. It supports multiple programming paradigms, including procedural, object-oriented, and functional programming Python is oftendescribed as a "batteries included" language due to its comprehensive standard library.

DATABASE

MySQL

MySQL is free and open-source software under the terms of the GNU General Public License, and is also available under a variety of proprietary licenses. MySQL was owned and sponsored by theSwedishcompany MySQL AB, which was bought by Sun Microsystems now Oracle Corporation). In 2010, when Oracle acquired Sun, Wideners forked the open-source MYSQL project to create MariaDB. MYSQL is a component of the LAMP web application software stack (and others), which is anacronym for Linux, Apache, MySQL, Perl/PHP/Python. MySQL is used by many database-driven web applications including Drupal, Joomla, phpBB and WordPress.

MySQL is also used by many popular websites, including Google (though not for searches),Facebook, Twitter, Flickr, and YouTube.

- Cross-platform support
- Stored procedures, using a procedural language that closely adheres to SQL/PSM
- Triggers
- Cursors
- Updatable views
- Online Data Definition Language (DDL) when using the DB Storage Engine

- Information schema
- Performance Schema that collects and aggregates statistics about server execution and query performance for monitoring purposes.
- Unicode support

Backup software

MySQL dump is a logical backup tool included with both community and enterprise editions of MySQL. It supports backing up from all storage engines. MYSQL Enterprise Backup is a hot backup utility included as part of the MySQL Enterprise subscription from Oracle, offering native InnoDB hot backup, as well as backup for other storage engines.

High availability software

Oracle MySQL offers nowadays an high availability solution with a mix of tools includingtheMySQL router and the MySQL Shell all based on Group Replication, open source tools

Cloud deployment

Main article: Cloud database

MYSQL can also be run on cloud computing platforms such as Microsoft Azure Amazon EC2, Oracle Cloud Infrastructure.

SYSTEM IMPLEMENTATION

SYSTEM IMPLEMENTATION

Implementation phase is the phase, which involves the process of converting a new system design into an operational one. It is the key stage in achieving a successful new system. Implementation is the stage of the project, where the theoretical design is turned into a working system. At this stage, the workload, the greatest up heal and major impact on controlled carefully.

It can cause chaos. The implementation stage is a system project in its own right. It involves careful planning, investigation of the current system and its constraints on the implementation,design methods the implementation plan consists of the following steps:

- Testing the developed system within the sample data
- Detection and correctness of errors
- Making necessary changes in system
- Training and involvement of user personnel
- Installation of software utilities

IMPLEMENTATION PROCEDURES

The implementation phase is less creative than system design. A system project may be dropped at any time prior to the implementation although it becomes more difficult when it goes to the design phase. The final report to the implementation phase includes procedural charts, record layout and a workable plan for implementing the candidate system.

Implementation is used to the process of converting a new or revised system design into an operational one. Conversation is one aspect of implementation. Several procedure are unique to the implementation phase Conversation begins with a review of the project plan, the systemtest documentation, and implementation plan.

SYSTEM TESTING

SYSTEM TESTING

System testing is actually a series of different testing's whose primary purpose is to fully exercise the computer-based system. Software testing is critical element of software quality assurance and represents the ultimate review of the specification, design and coding. System testing makes a logical assumption that all the part of the system is correct the goal will be successfully achieved. Testing is the final verification and validation activity within theorganization itself. During testing, the major activities are concerned on the examinations and modifications of the source code.

Testing is a process of executing a program with the intend of finding an error. A good test is one that uncovers an as yet undiscovered error.

Testing Objectives are:

- ✓ Unit Testing
- ✓ Integration Testing
- ✓ Validation Testing
- ✓ Output Testing

UNIT TESTING

The first level of testing is called as unit testing, here the different modules are tested and the specification produced during design for the modules. Unit testing is essential for verification of the goal and to test the internal logic of the modules. Unit testing is conducted to different modules of the project. Errors were noted down and corrected down immediately and the program clarity was increased. The testing was carried out during the programming stage itself carried out during the programming stage itself. In this step each modules found to be workingsatisfactory us regard to be expected out from the module.

For example, the Login page is tested against three different states that positive input, a negative input and a 0 input. Testing with a positive input, and with a negative input will behaves expected. Testing with a 0 input however will yield a surprise. This is just one exampleof why it makes sense to are son testing the different states of your code.

INTEGRATION TESTING

The second level of testing includes integration testing, It is systematic testing of constructing structure. At the same time tests are conducted to uncover errors with the interface. It need not to be the case that software whose modules when run individually showing results will also show perfect results when run as a whole.

The individual modules are tested again and the results are verified. The goal is to see if the modules integrated between the modules. This testing activity can be considered as testing thedesign and emphasizes on testing modules interaction.

VALIDATION TESTING

The next level of testing is validation testing. Here the entire software is tested. The reference document for this process is the requirement and the goal is to see if the software meets its requirements.

The requirement document reflects and determines whether the software functions as the user expected. At culmination of integration testing software completely assembled as package andcorrected and a final series of software test validation test begins. The proposed system under construction has been tested by using validation testing and found to be working satisfactory.

Data validation checking is done to see whether the corresponding entries made in different tables are done correctly. Proper validation checks are done in case of insertion and updating of tables, in order to see that no duplication of data has occurred. If any such case arises proper warning message will be displayed. Double configuration is done before the administrator deletes a data in order to get positive results and to see that 0 data have been deleted by accident.

OUTPUT TESTING

The output of the software should be acceptable to the system user. The output of requirement is defined during the system analysis. Testing of the software system is done against the output and the output testing was completed with success.

USER ACCEPTANCE TESTING

An acceptance test has the objective of selling the user on the validity and reliability of the system. It verifies that the system procedures operate to system specification and the integrityof the vital data is maintained.

SYSTEM MAINTENANCE

SYSTEM MAINTENANCE

Maintenance corresponds to restoring something to original condition covering a wide range ofactivity, including correcting coding, design errors, updating user support Better the system design, easier to maintain the system. Maintenance is performed most often to improve the existing software rather than to respond to a crisis or system failure According to user needs and operational environment change maintenance should be done in parallel, otherwise the system could fail. Provision must be made for environmental changes, which may affect either the computer or other parts of a computer-based system such as activity are normally called maintenance. It includes both improvement of system functions and the correction of fungus that arise during the operation of a system Maintenance activity may require the continuing involvement of a large proportion of computer department resources. Most changes arise in twoways.

As part of the normal running of the system when errors are found, users ask for improvement of external requirements change. As the results of specific investigation and review of the systems performance, maintenance involves the software industry captive. typing of system resources. It means restoring something to its original condition Maintenance was done after the successful implementation. Maintenance is continued till the product is re-engineered or deployed to another platform. Maintenance is also done based on fixing the problem reported, changing the interface with other software or hardware. enhancing the software. Any system developed should be secured and protected against possible hazards. Security measures are provided to prevent unauthorized access of the database at various levels. An uninterrupted power supply should be provided so that power failure or voltage fluctuations will not erase the data in the files.

FUTURE ENHANCEMENT

FUTURE ENHANCEMENT

In the future, the project on "**HYBRID ENCRYPTION FOR CLOUD "** aims to undergo several key enhancements to fortify its capabilities and adapt to evolving security challenges. These improvements may include the integration of quantum-resistant algorithms to preemptively safeguard against quantum computing threats, the exploration of homomorphic encryption for secure computations on encrypted data, and the incorporation of advanced artificial intelligence and machine learning algorithms for real-time threat detection. Additionally, the project will focus on enhancing key management systems for increased dynamism and security, exploring attribute-based encryption for finer access control, and evaluating the potential integration of block chain technology for tamper-resistant audit trails. These advancements seek to ensure the project's continued relevance and effectiveness in providing robust data security solutions for cloud environments.

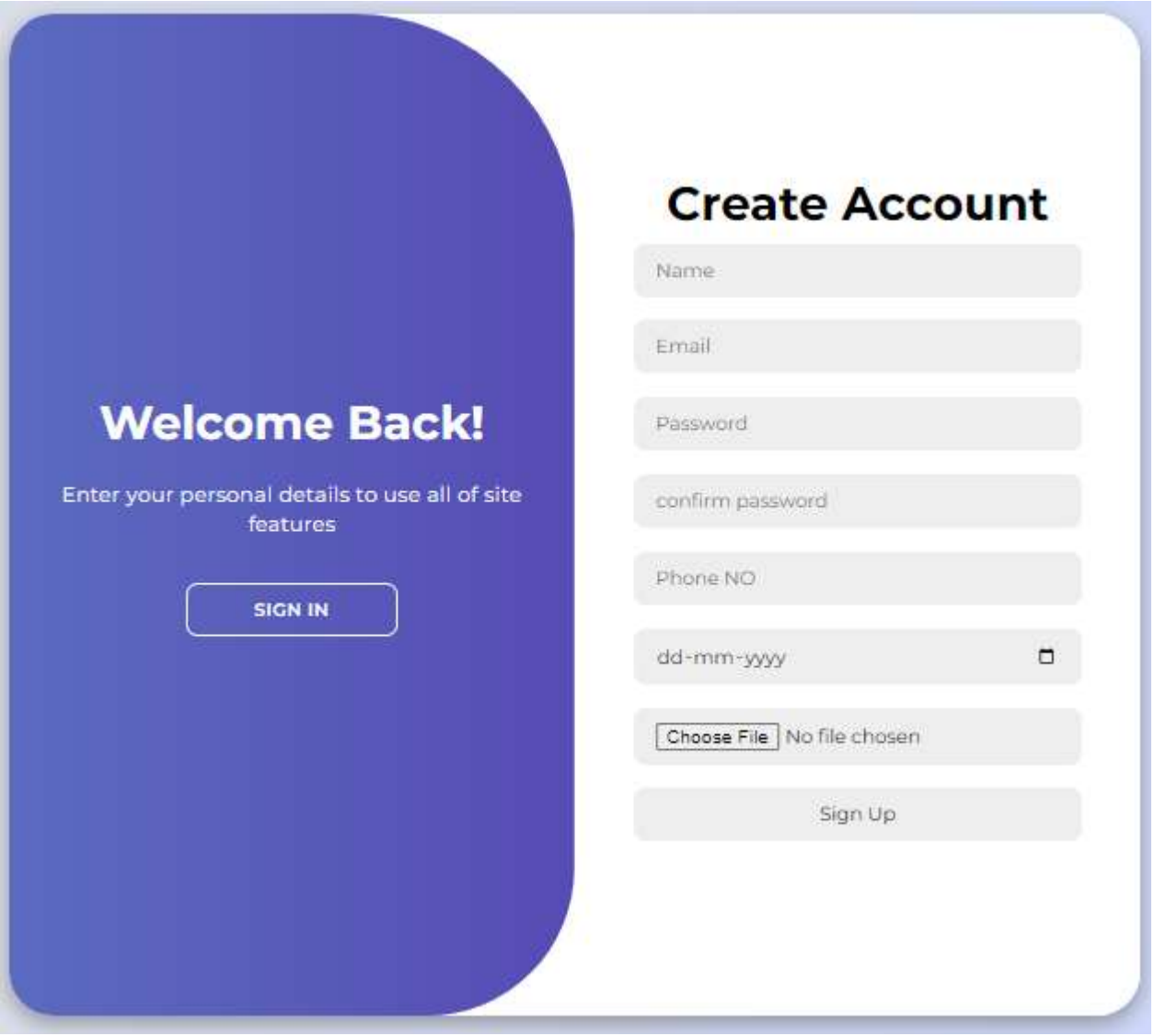
CONCLUSION

CONCLUSION

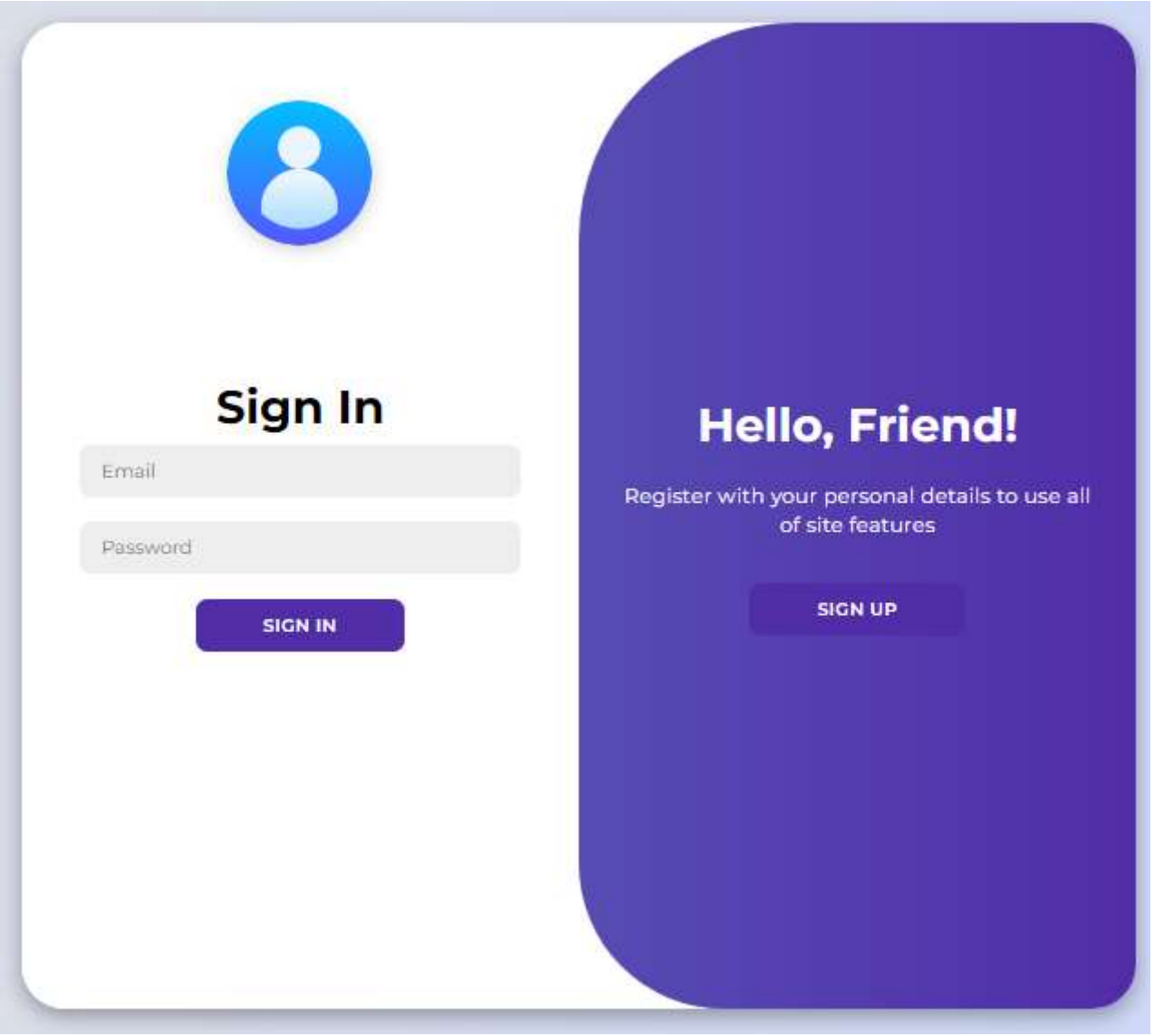
To conduct our day-to-day e-commerce and other general regular online operations, we make use of the internet-based computing known as cloud computing. After reviewing various challenges and existing solutions proposed by researchers, we proposed and designed a novel encryption algorithm to address this issue in a quite simple manner. The proposed encryption technique is very simple in nature as single key is used for the encryption and decryption process for the cloud computing environment. This technique would be beneficial in enhancing the level of security that is now offered through the clouds. In the not-too-distant future, we intend to build and deploy this innovative method on the cloud in order to further refine it.

SCREENSHOT

Sign Up:


Welcome Back!
Enter your personal details to use all of site features
SIGN IN
Create Account
Name
Email
Password
confirm password
Phone NO
dd-mm-yyyy
Choose File
No file chosen
Sign Up

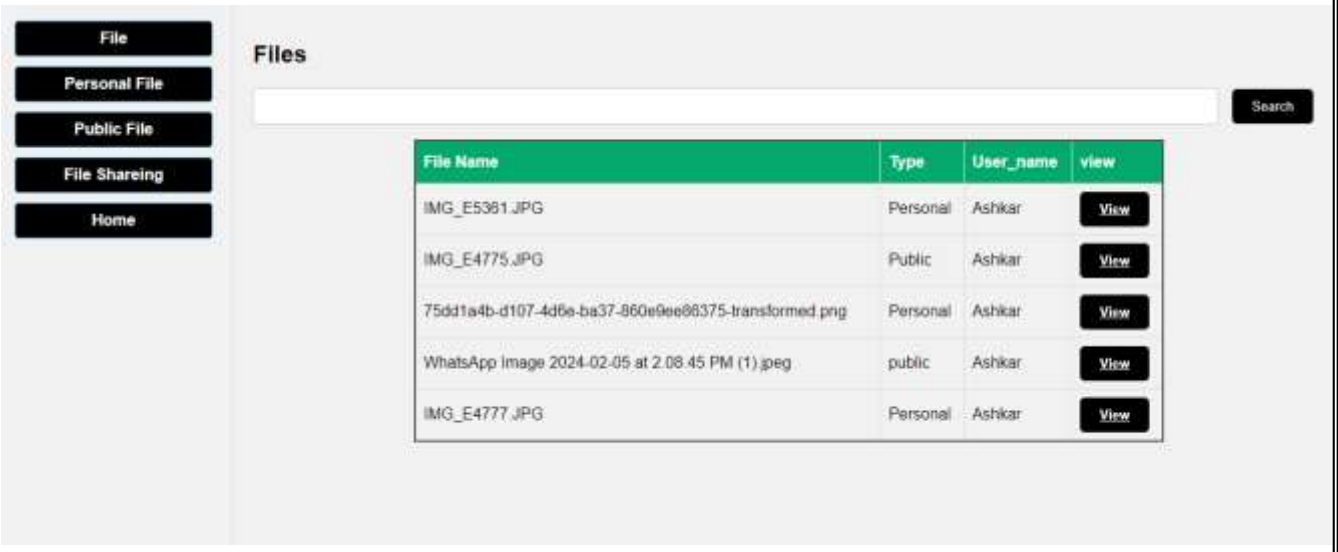
Sign In:



Alert:

Alert	Date	Time
ok	Feb. 13, 2024	11:33 a.m.

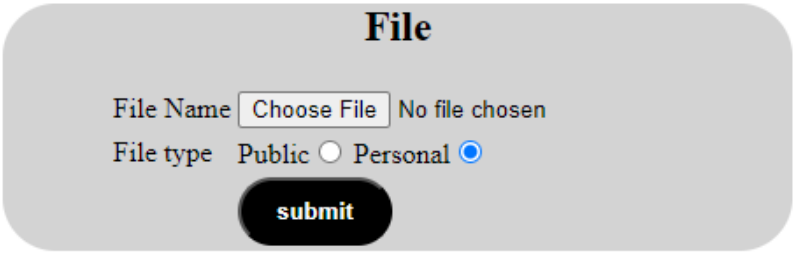
File:



Personal File:

Public File:

File Sharing:

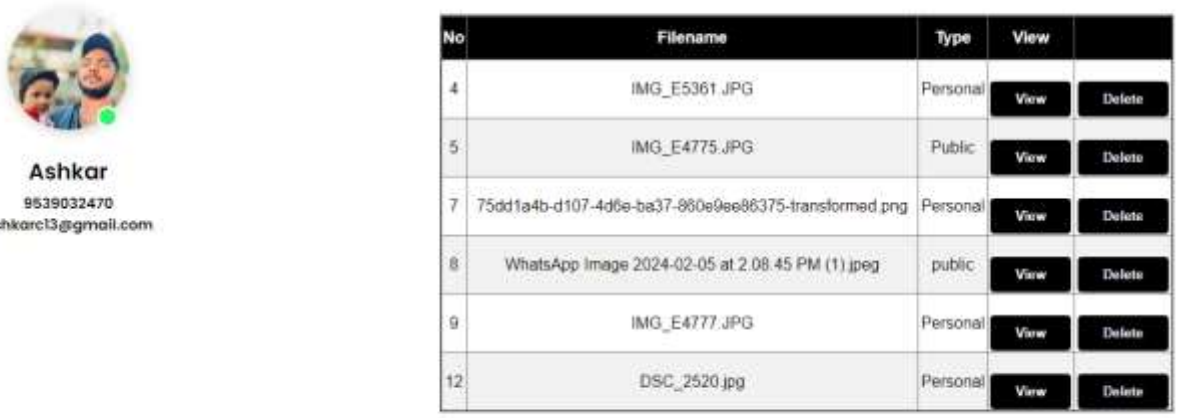


Complaint:

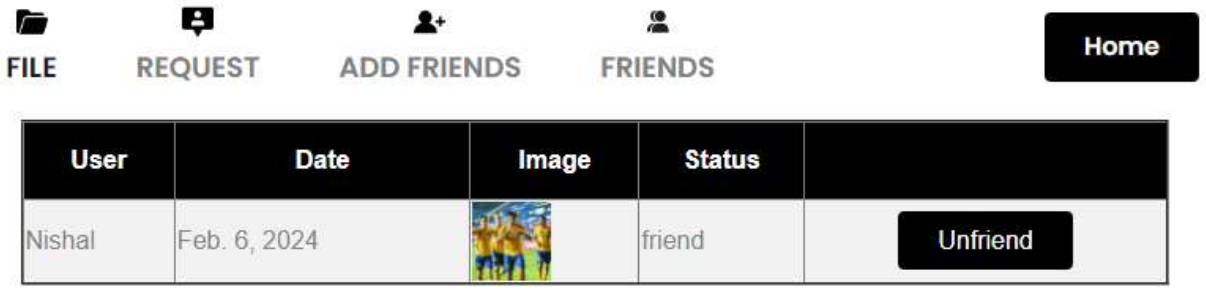
Complaint Reply:

Feedback:

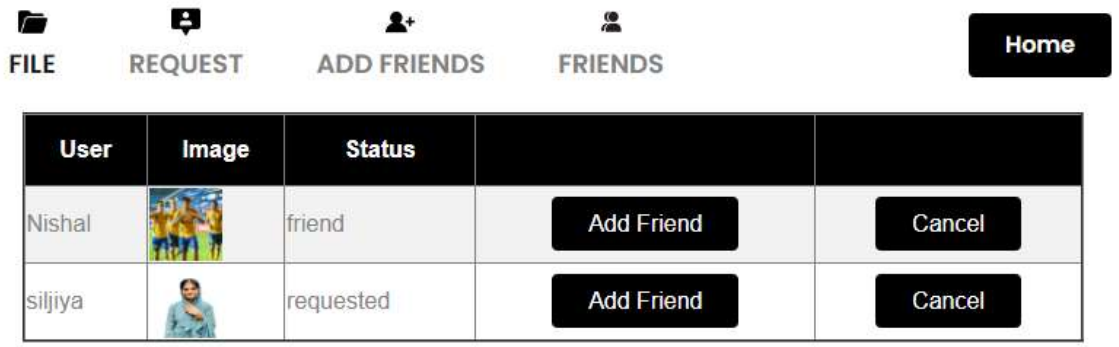
Profile:



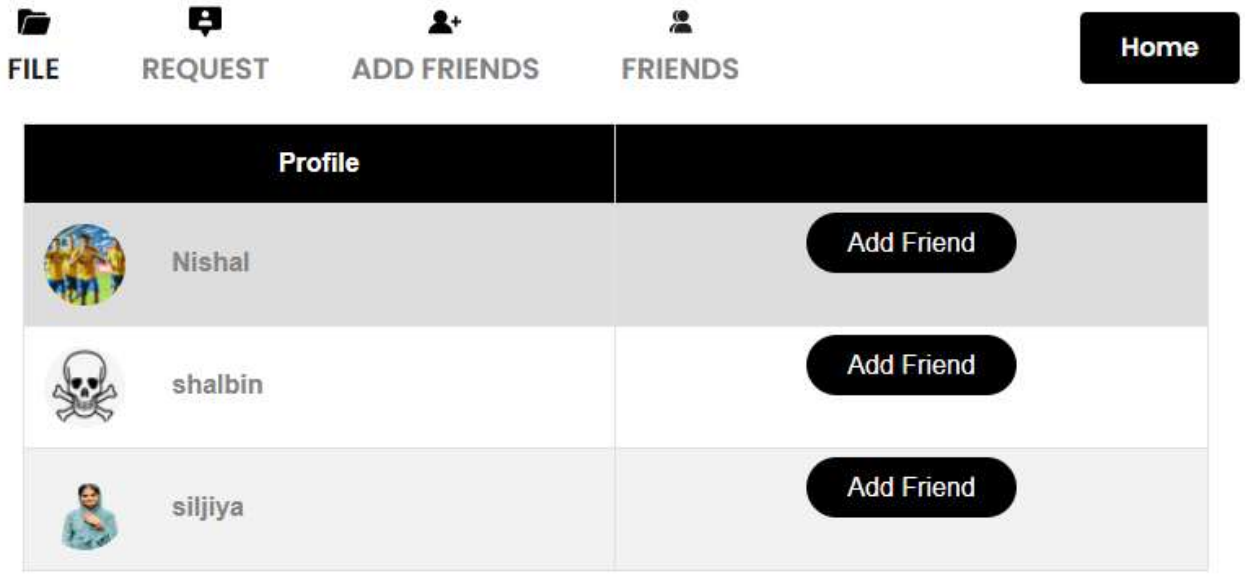
Friends:



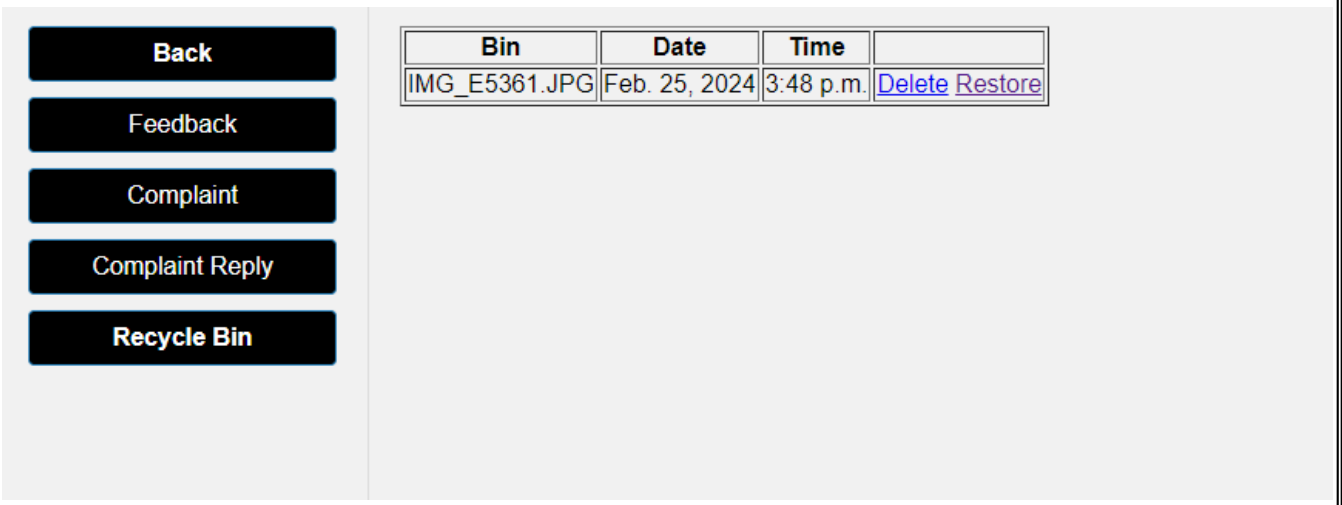
Friend Request:



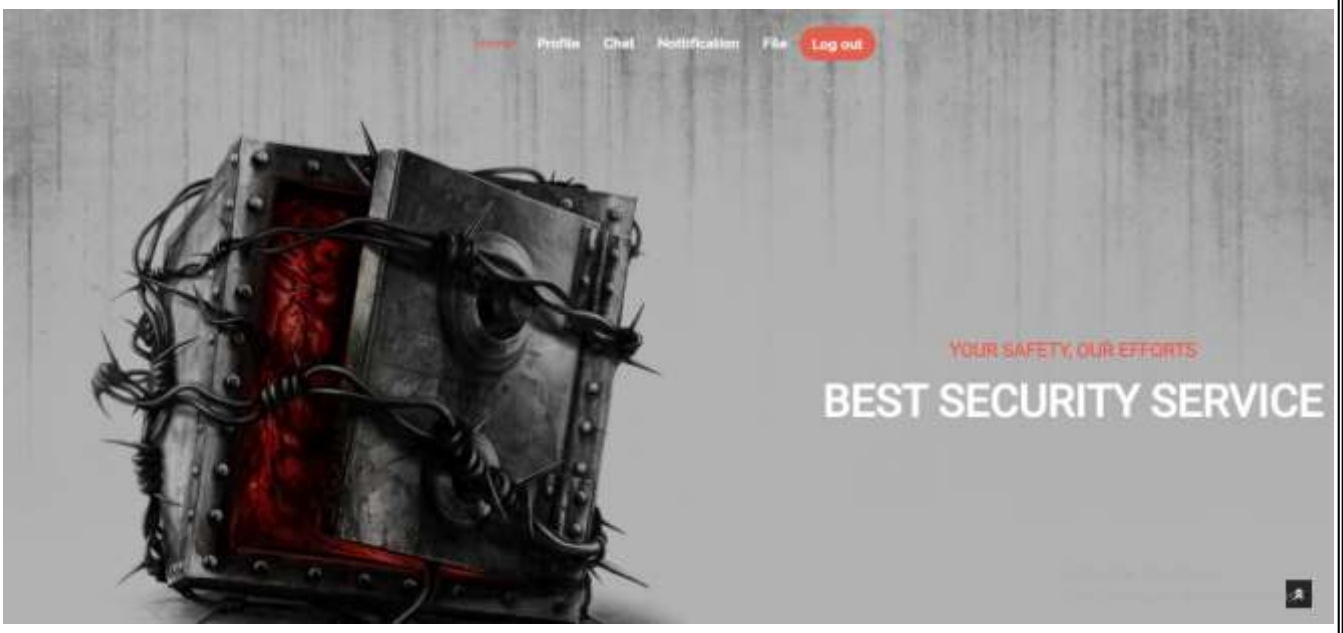
Add Friend:



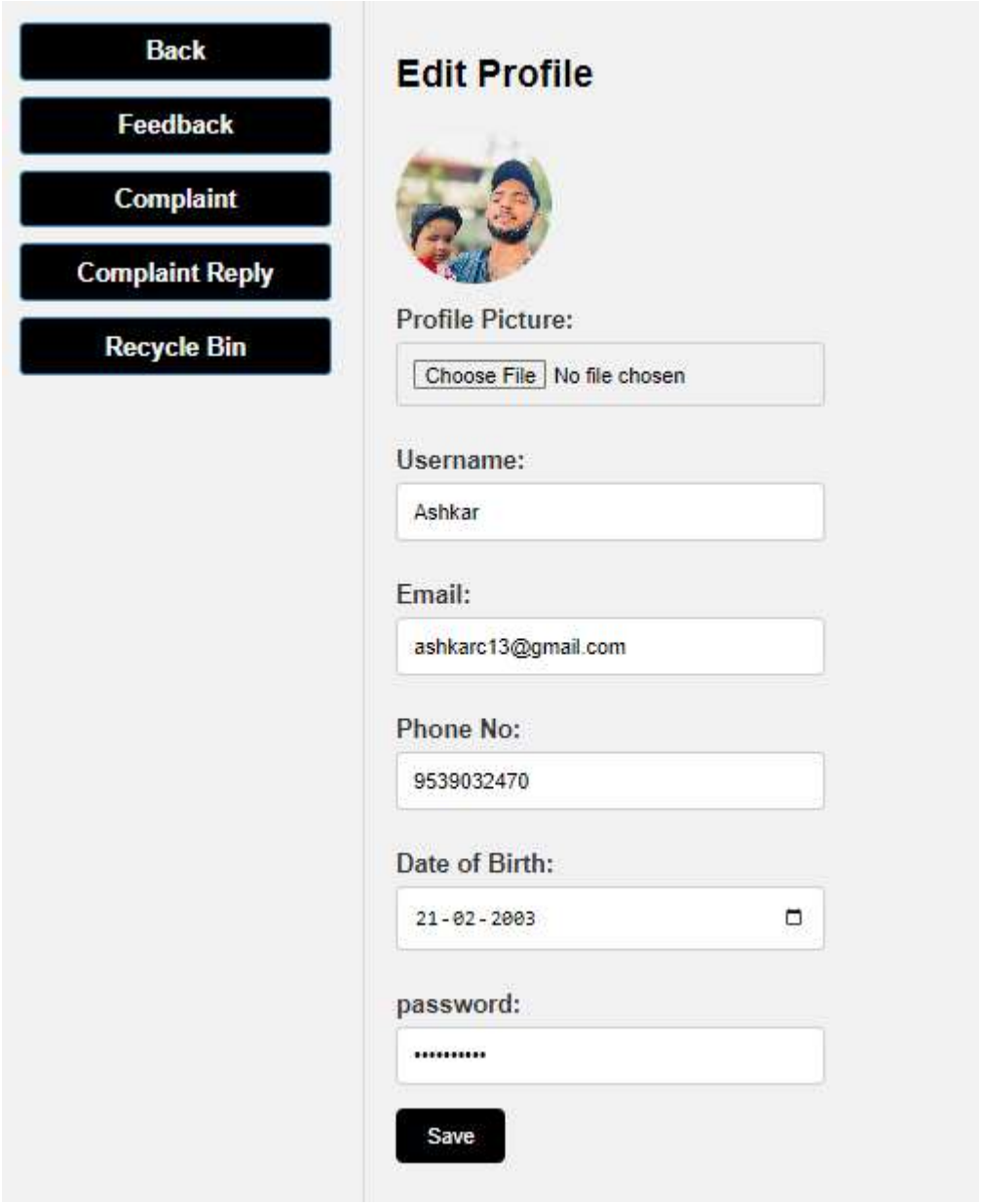
Recycle Bin:



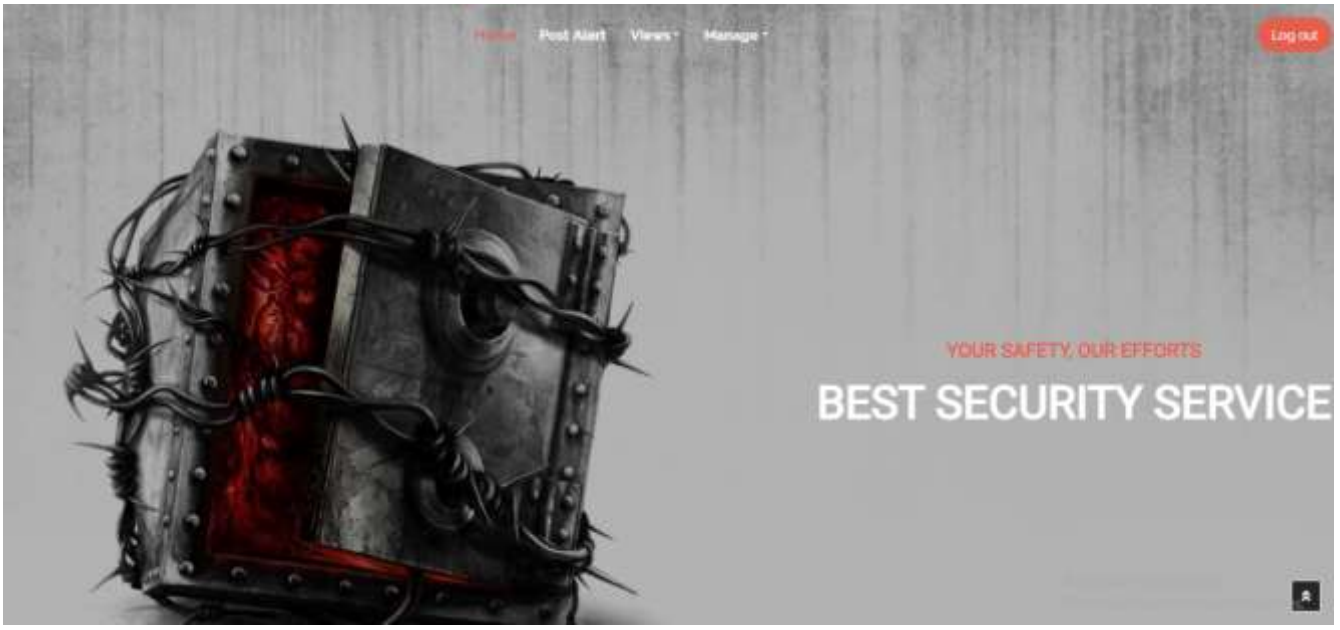
User Home page:



Edit Profile:



Admin Home Page:



SOURCE CODE

SOURCE CODE

Admin Page:

```
  <!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="utf-8">
    <title>AdminPage</title>
    <meta content="width=device-width, initial-scale=1.0" name="viewport">
    <meta content="Free Website Template" name="keywords">
    <meta content="Free Website Template" name="description">

    <!-- Favicon -->
    <link href="/static/img/favicon.ico" rel="icon">

    <!-- Font Awesome -->
    <link href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.10.0/css/all.min.css"
rel="stylesheet">

    <!-- Flaticon Font -->
    <link href="/static/lib/flaticon/font/flaticon.css" rel="stylesheet">

    <!-- Libraries Stylesheet -->
    <link href="/static/lib/owlcarousel/assets/owl.carousel.min.css" rel="stylesheet">

    <!-- Customized Bootstrap Stylesheet -->
    <link href="/static/css/style.css" rel="stylesheet">
    <!-- my html code -->

  <style>
```

```
    /* Center-right text styling */
    .center-right-text {
      position: absolute;
      top: 50%;
      right: 1%;
      transform: translate(0%, -50%);
      text-align: center;
      color: black; /* Change the text color as needed */
      font-size: 18px; /* Change the font size as needed */
      font-family: Arial, sans-serif; /* Change the font family as needed */
    }

  </style>
  <!-- my html code end -->
</head>

<body class="bg-white">
    <!-- Topbar Start -->
    <div class="container-fluid">
        <div class="row bg-secondary py-2 px-lg-5">
            <div class="col-lg-6 text-center text-lg-left">
                <div class="d-inline-flex align-items-center">
                    <!-- <p class="mr-2 mb-2 mb-lg-0 text-white">Opening Hours:</p>
                    <span class="mb-2 mb-lg-0 text-white">8.00AM - 9.00PM</span> -->
                </div>
            </div>
            <div class="col-lg-6 text-center text-lg-right">
                <div class="d-inline-flex align-items-center">
                    <p class="m-0 mr-1 text-white">Follow Us:</p>
                    <a class="text-white px-2" href="">
                        <i class="fab fa-facebook-f"></i>
                    </a>
                    <a class="text-white px-2" href="">
                        <i class="fab fa-twitter"></i>
```

```
            </a>
            <a class="text-white px-2" href="">
              <i class="fab fa-linkedin-in"></i>
            </a>
            <a class="text-white px-2" href="">
              <i class="fab fa-instagram"></i>
            </a>
            <a class="text-white px-2" href="">
              <i class="fab fa-youtube"></i>
            </a>
          </div>
        </div>
      </div>
      <div class="row py-3 px-lg-5">
        <div class="col-lg-4">
          <a href="" class="navbar-brand d-none d-lg-block">
            <h1 class="m-0 display-5 text-capitalize font-italic"><span class="text-
primary">Cloudy</span>Store</h1>
          </a>
        </div>
        <div class="col-lg-8 text-center text-lg-right">
          <div class="d-inline-flex align-items-center">
            <div class="d-inline-flex flex-column text-center pr-3 border-right">
              <h6>Our Office</h6>
              <p class="m-0">NFA, MES college, Vadakara</p>
            </div>
            <div class="d-inline-flex flex-column text-center px-3 border-right">
              <h6>Email Us</h6>
              <p class="m-0">nfastorage3@gmail.com</p>
            </div>
            <div class="d-inline-flex flex-column text-center pl-3">
              <h6>Call Us</h6>
              <p class="m-0">9539032470</p>
            </div>
```

```
            </div>
          </div>
        </div>
    </div>
    <!-- Topbar End -->


    <!-- Navbar Start -->
    <div class="container-fluid p-0 nav-bar">
        <nav class="navbar navbar-expand-lg bg-none navbar-dark py-0">
            <a href="" class="navbar-brand d-block d-lg-none">
                <h1 class="m-0 display-5 text-capitalize font-italic text-white"><span class="text-
primary">Safety</span>First</h1>
            </a>
            <button type="button" class="navbar-toggler" data-toggle="collapse" data-
target="#navbarCollapse">
                <span class="navbar-toggler-icon"></span>
            </button>
            <div class="collapse navbar-collapse justify-content-between" id="navbarCollapse">
                <div class="navbar-nav m-auto py-4">
                    <a href="index.html" class="nav-item nav-link active">Home</a>
                    <a href="/Alert/alert/" class="nav-item nav-link">Post Alert</a>
                    <div class="nav-item dropdown">
                        <a href="#" class="nav-link dropdown-toggle" data-
toggle="dropdown">Views</a>
                        <div class="dropdown-menu text-capitalize">
                            <a href="/File/blocked_f/" class="dropdown-item">View Blocked File</a>
                            <a href="/Complaint/admin_complaint_viw/" class="dropdown-
item">View Complaint & Reply</a>
                            <a href="/Feedback/view_fdback/" class="dropdown-item">View
Feedback</a>
                        </div>
                    </div>
                     <div class="nav-item dropdown">
```

```
                <a href="#" class="nav-link dropdown-toggle" data-
toggle="dropdown">Manage</a>
                <div class="dropdown-menu text-capitalize">
                  <a href="/user/manage_usr/" class="dropdown-item">Manage User</a>
                  <a href="/File/manage_fil/" class="dropdown-item">View & Manage
File</a>

                </div>
              </div>
              </div>
              <a href="/temp/index/" class="btn btn-primary nav-item nav-link" style="border-
radius: 30px">Log out</a>
            </div>
          </div>
        </nav>
    </div>
    <!-- Navbar End -->

    <!-- Carousel Start -->
    <div class="container-fluid p-0">
      <div id="blog-carousel" class="carousel slide" data-ride="carousel">
        <div class="carousel-inner">
          <div class="carousel-item active">
            <img class="w-100" src="/static/img/lock.PNG" alt="Image">
            <div class="carousel-caption d-flex flex-column align-items-center justify-
content-center">
              <div class="center-right-text">
         <h4 class="text-primary m-0">Your Safety, Our Efforts</h4>
              <h4 class="display-4  m-0 mt-2 mt-md-3 text-white">Best Security
Service</h4>
  </div>
            </div>
            <!-- my 2nd code -->
```

```
ousel-control-next-icon mb-n2"></span>
            </div>
          </a> -->
        </div>
    </div>

 {% block base %}
      {% endblock %}


                </p>
              </div>
            </div>
          </div>
          <div class="col-lg-4 p-0">
            <div class="feature-item d-flex align-items-center border-right px-5 mb-4 mb-lg-
0">
              <i class="flaticon-helmet display-3 text-primary mr-4"></i>
              <div class="">
                <h5 class="mb-3">Latest Equipments</h5>
                <p class="m-0">Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed
eu suscipit orci velit id libero
                </p>
              </div>
            </div>
          </div>
          <div class="col-lg-4 p-0">
            <div class="feature-item d-flex align-items-center px-5">
              <i class="flaticon-surveillance display-3 text-primary mr-4"></i>
              <div class="">
                <h5 class="mb-3">24/7 Support</h5>
                <p class="m-0">Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed
eu suscipit orci velit id libero
                </p>
              </div>
```

```
            </div>
          </div>
        </div>
    </div> -->
    <!-- Features End -->



            <p>Labore vero lorem eos sed aliquy ipsum aliquy sed. Vero dolore dolore takima ipsum lorem rebum</p>
            <div class="row py-2">
              <div class="col-sm-6">
                <i class="flaticon-approved display-3 text-primary"></i>
                <h5 class="mt-2">Govt Approved</h5>
                <p>Ipsum sanctu dolor ipsum dolore sit et kasd duo</p>
              </div>
              <div class="col-sm-6">
                <i class="flaticon-medal display-3 text-primary"></i>
                <h5 class="mt-2">Award Winning</h5>
                <p>Ipsum sanctu dolor ipsum dolore sit et kasd duo</p>
              </div>
            </div>
            <a href="" class="btn btn-lg px-4 btn-primary">Learn More</a>
          </div>
        </div>
    </div> -->
    <!-- About End -->



              <div class="card-footer">
                Diam amet eos at no eos sit lorem, amet rebum ipsum clita stet, diam sea est magna diam eos, rebum sit vero stet ipsum justo et.
              </div>
            </div>
```

```
        </div>
        <div class="col-md-6 col-lg-4 mb-4">
          <div class="card mb-2 p-3">
            <img class="card-img-top" src="img/service-2.jpg" alt="">
            <div class="card-body bg-secondary d-flex align-items-center p-0">
              <h3 class="flaticon-home font-weight-normal d-flex flex-shrink-0 align-items-center justify-content-center bg-primary text-white m-0 mr-3" style="width: 45px; height: 45px;"></h3>
              <h6 class="card-title text-white text-truncate m-0">Home Security</h6>
            </div>
            <div class="card-footer">
              Diam amet eos at no eos sit lorem, amet rebum ipsum clita stet, diam sea est magna diam eos, rebum sit vero stet ipsum justo et.
            </div>
          </div>
        </div>
        <div class="col-md-6 col-lg-4 mb-4">
          <div class="card mb-2 p-3">
            <img class="card-img-top" src="img/service-3.jpg" alt="">
            <div class="card-body bg-secondary d-flex align-items-center p-0">
              <h3 class="flaticon-factory font-weight-normal d-flex flex-shrink-0 align-items-center justify-content-center bg-primary text-white m-0 mr-3" style="width: 45px; height: 45px;"></h3>
              <h6 class="card-title text-white text-truncate m-0">Industry Security</h6>
            </div>
            <div class="card-footer">
              Diam amet eos at no eos sit lorem, amet rebum ipsum clita stet, diam sea est magna diam eos, rebum sit vero stet ipsum justo et.
            </div>
          </div>
        </div>
        <div class="col-md-6 col-lg-4 mb-4">
          <div class="card mb-2 p-3">
            <img class="card-img-top" src="img/service-4.jpg" alt="">
```

```
            <div class="card-body bg-secondary d-flex align-items-center p-0">
              <h3 class="flaticon-transportation font-weight-normal d-flex flex-shrink-0 align-items-center justify-content-center bg-primary text-white m-0 mr-3" style="width: 45px; height: 45px;"></h3>
              <h6 class="card-title text-white text-truncate m-0">Transport Security</h6>
            </div>
            <div class="card-footer">
              Diam amet eos at no eos sit lorem, amet rebum ipsum clita stet, diam sea est magna diam eos, rebum sit vero stet ipsum justo et.
            </div>
          </div>
        </div>
        <div class="col-md-6 col-lg-4 mb-4">
          <div class="card mb-2 p-3">
            <img class="card-img-top" src="img/service-5.jpg" alt="">
            <div class="card-body bg-secondary d-flex align-items-center p-0">
              <h3 class="flaticon-desk font-weight-normal d-flex flex-shrink-0 align-items-center justify-content-center bg-primary text-white m-0 mr-3" style="width: 45px; height: 45px;"></h3>
              <h6 class="card-title text-white text-truncate m-0">Objects Security</h6>
            </div>
            <div class="card-footer">
              Diam amet eos at no eos sit lorem, amet rebum ipsum clita stet, diam sea est magna diam eos, rebum sit vero stet ipsum justo et.
            </div>
          </div>
        </div>
        <div class="col-md-6 col-lg-4 mb-4">
          <div class="card mb-2 p-3">
            <img class="card-img-top" src="img/service-6.jpg" alt="">
            <div class="card-body bg-secondary d-flex align-items-center p-0">
              <h3 class="flaticon-bodyguard font-weight-normal d-flex flex-shrink-0 align-items-center justify-content-center bg-primary text-white m-0 mr-3" style="width: 45px; height: 45px;"></h3>
```

```
                <h6 class="card-title text-white text-truncate m-0">Private Security</h6>
              </div>
              <div class="card-footer">
                Diam amet eos at no eos sit lorem, amet rebum ipsum clita stet, diam sea est magna diam eos, rebum sit vero stet ipsum justo et.
              </div>
            </div>
          </div>
        </div>
    </div> -->
    <!-- Services End -->

ify-content-center border rounded-circle text-white" style="width: 50px; height: 50px;"></h5>
            <h4 class="display-4 text-white mb-3" data-toggle="counter-up">10000</h4>
            <h6 class="text-white m-0">Project Complete</h6>
          </div>
          <div class="col-lg-3 col-sm-6 mb-5">
            <h5 class="fa fa-award mb-4 d-inline-flex align-items-center justify-content-center border rounded-circle text-white" style="width: 50px; height: 50px;"></h5>
            <h4 class="display-4 text-white mb-3" data-toggle="counter-up">25</h4>
            <h6 class="text-white m-0">Award Winning</h6>
          </div>
        </div>
    </div> -->
    <!-- Facts End -->



                <div class="d-flex flex-column">
                  <div class="d-flex align-items-center mb-3">
                    <h3 class="flaticon-policeman font-weight-normal d-flex flex-shrink-0 align-items-center justify-content-center bg-primary text-white m-0 mr-3" style="width: 45px; height: 45px;"></h3>
```

```
                    <h6 class="text-truncate m-0">High Security</h6>
                </div>
                <p>Diam amet eos at no eos sit lorem, amet rebum ipsum clita stet, diam sea est magna diam eos rebum sit</p>
            </div>
        </div>
        <div class="col-md-6 mb-4">
            <div class="d-flex flex-column">
                <div class="d-flex align-items-center mb-3">
                    <h3 class="flaticon-bodyguard font-weight-normal d-flex flex-shrink-0 align-items-center justify-content-center bg-primary text-white m-0 mr-3" style="width: 45px; height: 45px;"></h3>
                    <h6 class="text-truncate m-0">Trained Guards</h6>
                </div>
                <p>Diam amet eos at no eos sit lorem, amet rebum ipsum clita stet, diam sea est magna diam eos rebum sit</p>
            </div>
        </div>
        <div class="col-md-6 mb-4">
            <div class="d-flex flex-column">
                <div class="d-flex align-items-center mb-3">
                    <h3 class="flaticon-approved font-weight-normal d-flex flex-shrink-0 align-items-center justify-content-center bg-primary text-white m-0 mr-3" style="width: 45px; height: 45px;"></h3>
                    <h6 class="text-truncate m-0">Govt Approved</h6>
                </div>
                <p>Diam amet eos at no eos sit lorem, amet rebum ipsum clita stet, diam sea est magna diam eos rebum sit</p>
            </div>
        </div>
        <div class="col-md-6 mb-4">
            <div class="d-flex flex-column">
                <div class="d-flex align-items-center mb-3">
                    <h3 class="flaticon-medal font-weight-normal d-flex flex-shrink-0 align-
```

```
items-center justify-content-center bg-primary text-white m-0 mr-3" style="width: 45px;
height: 45px;"></h3>
                        <h6 class="text-truncate m-0">Award Winning</h6>
                    </div>
                    <p>Diam amet eos at no eos sit lorem, amet rebum ipsum clita stet, diam
sea est magna diam eos rebum sit</p>
                </div>
            </div>
            <div class="col-md-6 mb-4">
                <div class="d-flex flex-column">
                    <div class="d-flex align-items-center mb-3">
                        <h3 class="flaticon-helmet font-weight-normal d-flex flex-shrink-0 align-
items-center justify-content-center bg-primary text-white m-0 mr-3" style="width: 45px;
height: 45px;"></h3>
                        <h6 class="text-truncate m-0">Latest Equipments</h6>
                    </div>
                    <p>Diam amet eos at no eos sit lorem, amet rebum ipsum clita stet, diam
sea est magna diam eos rebum sit</p>
                </div>
            </div>
            <div class="col-md-6 mb-4">
                <div class="d-flex flex-column">
                    <div class="d-flex align-items-center mb-3">
                        <h3 class="flaticon-surveillance font-weight-normal d-flex flex-shrink-0
align-items-center justify-content-center bg-primary text-white m-0 mr-3" style="width:
45px; height: 45px;"></h3>
                        <h6 class="text-truncate m-0">24/7 Support</h6>
                    </div>
                    <p>Diam amet eos at no eos sit lorem, amet rebum ipsum clita stet, diam
sea est magna diam eos rebum sit</p>
                </div>
            </div>
        </div>
    </div>
```

```
        </div>
    </div> -->
    <!-- Features End -->


        <h5 class="text-primary mb-3">Security Officers</h5>
        <h1 class="m-0">Meet Our Security Officers</h1>
    </div>
    <div class="row">
        <div class="col-lg-6 mb-4">
            <div class="row mb-2 align-items-center">
                <div class="col-6 text-right">
                    <h6>Officer Name</h6>
                    <h6 class="text-muted font-weight-normal text-capitalize mb-
2">Designation</h6>
                    <p>Ipsum tempor tempor dolor no est diam duo dolore, dolor eos dolor amet
erat clita amet.</p>
                    <div class="d-flex justify-content-end">
                        <a href=""><i class="fab fa-twitter mr-3"></i></a>
                        <a href=""><i class="fab fa-facebook-f mr-3"></i></a>
                        <a href=""><i class="fab fa-linkedin-in mr-3"></i></a>
                        <a href=""><i class="fab fa-instagram"></i></a>
                    </div>
                </div>
                <div class="col-6">
                    <img class="img-thumbnail p-3" src="img/team-1.jpg" alt="Image">
                </div>
            </div>
        </div>
        <div class="col-lg-6 mb-4">
            <div class="row mb-2 align-items-center">
                <div class="col-6">
                    <img class="img-thumbnail p-3" src="img/team-2.jpg" alt="Image">
                </div>
                <div class="col-6 text-left">
```

```
                <h6>Officer Name</h6>
                <h6 class="text-muted font-weight-normal text-capitalize mb-
2">Designation</h6>
                <p>Ipsum tempor tempor dolor no est diam duo dolore, dolor eos dolor amet
erat clita amet.</p>
                <div class="d-flex justify-content-start">
                  <a href=""><i class="fab fa-twitter mr-3"></i></a>
                  <a href=""><i class="fab fa-facebook-f mr-3"></i></a>
                  <a href=""><i class="fab fa-linkedin-in mr-3"></i></a>
                  <a href=""><i class="fab fa-instagram"></i></a>
                </div>
              </div>
            </div>
          </div>
          <div class="col-lg-6 mb-4">
            <div class="row mb-2 align-items-center">
              <div class="col-6 text-right">
                <h6>Officer Name</h6>
                <h6 class="text-muted font-weight-normal text-capitalize mb-
2">Designation</h6>
                <p>Ipsum tempor tempor dolor no est diam duo dolore, dolor eos dolor amet
erat clita amet.</p>
                <div class="d-flex justify-content-end">
                  <a href=""><i class="fab fa-twitter mr-3"></i></a>
                  <a href=""><i class="fab fa-facebook-f mr-3"></i></a>
                  <a href=""><i class="fab fa-linkedin-in mr-3"></i></a>
                  <a href=""><i class="fab fa-instagram"></i></a>
                </div>
              </div>
              <div class="col-6">
                <img class="img-thumbnail p-3" src="img/team-3.jpg" alt="Image">
              </div>
            </div>
          </div>
```

```
        <div class="col-lg-6 mb-4">
            <div class="row mb-2 align-items-center">
                <div class="col-6">
                    <img class="img-thumbnail p-3" src="img/team-4.jpg" alt="Image">
                </div>
                <div class="col-6 text-left">
                    <h6>Officer Name</h6>
                    <h6 class="text-muted font-weight-normal text-capitalize mb-
2">Designation</h6>
                    <p>Ipsum tempor tempor dolor no est diam duo dolore, dolor eos dolor amet
erat clita amet.</p>
                    <div class="d-flex justify-content-start">
                        <a href=""><i class="fab fa-twitter mr-3"></i></a>
                        <a href=""><i class="fab fa-facebook-f mr-3"></i></a>
                        <a href=""><i class="fab fa-linkedin-in mr-3"></i></a>
                        <a href=""><i class="fab fa-instagram"></i></a>
                    </div>
                </div>
            </div>
        </div>
    </div> -->
    <!-- Team End -->

le" src="img/testimonial-1.jpg" style="width: 80px; height: 80px; padding: 12px;"
alt="Image">
                    <div class="pl-4">
                        <h6 class="text-primary">Client Name</h6>
                        <p class="m-0">Profession</p>
                    </div>
                </div>
            </div>
            <div class="testimonial-item px-3">
                <div class="testimonial-text position-relative border bg-light mb-4 py-3 px-4">
```

```
                Sed ea amet kasd elitr stet nonumy, stet rebum et ipsum est duo elitr eirmod
clita lorem. Dolores tempor voluptua ipsum sanctus clita
            </div>
            <div class="d-flex align-items-center">
              <img class="img-thumbnail bg-light rounded-circle" src="img/testimonial-
2.jpg" style="width: 80px; height: 80px; padding: 12px;" alt="Image">
              <div class="pl-4">
                <h6 class="text-primary">Client Name</h6>
                <p class="m-0">Profession</p>
              </div>
            </div>
          </div>
          <div class="testimonial-item px-3">
            <div class="testimonial-text position-relative border bg-light mb-4 py-3 px-4">
              Sed ea amet kasd elitr stet nonumy, stet rebum et ipsum est duo elitr eirmod
clita lorem. Dolores tempor voluptua ipsum sanctus clita
            </div>
            <div class="d-flex align-items-center">
              <img class="img-thumbnail bg-light rounded-circle" src="img/testimonial-
3.jpg" style="width: 80px; height: 80px; padding: 12px;" alt="Image">
              <div class="pl-4">
                <h6 class="text-primary">Client Name</h6>
                <p class="m-0">Profession</p>
              </div>
            </div>
          </div>
          <div class="testimonial-item px-3">
            <div class="testimonial-text position-relative border bg-light mb-4 py-3 px-4">
              Sed ea amet kasd elitr stet nonumy, stet rebum et ipsum est duo elitr eirmod
clita lorem. Dolores tempor voluptua ipsum sanctus clita
            </div>
            <div class="d-flex align-items-center">
              <img class="img-thumbnail bg-light rounded-circle" src="img/testimonial-
4.jpg" style="width: 80px; height: 80px; padding: 12px;" alt="Image">
```

```
                <div class="pl-4">
                    <h6 class="text-primary">Client Name</h6>
                    <p class="m-0">Profession</p>
                </div>
            </div>
        </div>
    </div>
</div> -->
<!-- Testimonial End -->


    <div class="col-lg-4 mb-4">
        <div class="card mb-2 p-3">
            <img class="card-img-top" src="img/blog-1.jpg" alt="">
            <div class="card-body bg-secondary d-flex align-items-center p-0">
                <h6 class="card-title text-white text-truncate m-0 ml-3">Diam amet eos at no eos</h6>
                <a href="" class="fa fa-link d-flex flex-shrink-0 align-items-center justify-content-center bg-primary text-white text-decoration-none m-0 ml-auto" style="width: 45px; height: 45px;"></a>
            </div>
            <div class="card-footer py-3 px-4">
                <div class="d-flex mb-2">
                    <small class="mr-3"><i class="fa fa-user text-primary"></i> Admin</small>
                    <small class="mr-3"><i class="fa fa-folder text-primary"></i> Web Design</small>
                    <small class="mr-3"><i class="fa fa-comments text-primary"></i> 15</small>
                </div>
                <p class="m-0">Diam amet eos at no eos sit lorem, amet rebum ipsum clita stet, diam sea est magna diam eos, rebum sit vero stet ipsum justo et.</p>
            </div>
```

```
            </div>
        </div>
        <div class="col-lg-4 mb-4">
            <div class="card mb-2 p-3">
                <img class="card-img-top" src="img/blog-2.jpg" alt="">
                <div class="card-body bg-secondary d-flex align-items-center p-0">
                    <h6 class="card-title text-white text-truncate m-0 ml-3">Diam amet eos at no eos</h6>
                    <a href="" class="fa fa-link d-flex flex-shrink-0 align-items-center justify-content-center bg-primary text-white text-decoration-none m-0 ml-auto" style="width: 45px; height: 45px;"></a>
                </div>
                <div class="card-footer py-3 px-4">
                    <div class="d-flex mb-2">
                        <small class="mr-3"><i class="fa fa-user text-primary"></i> Admin</small>
                        <small class="mr-3"><i class="fa fa-folder text-primary"></i> Web Design</small>
                        <small class="mr-3"><i class="fa fa-comments text-primary"></i> 15</small>
                    </div>
                    <p class="m-0">Diam amet eos at no eos sit lorem, amet rebum ipsum clita stet, diam sea est magna diam eos, rebum sit vero stet ipsum justo et.</p>
                </div>
            </div>
        </div>
        <div class="col-lg-4 mb-4">
            <div class="card mb-2 p-3">
                <img class="card-img-top" src="img/blog-3.jpg" alt="">
                <div class="card-body bg-secondary d-flex align-items-center p-0">
                    <h6 class="card-title text-white text-truncate m-0 ml-3">Diam amet eos at no eos</h6>
                    <a href="" class="fa fa-link d-flex flex-shrink-0 align-items-center justify-content-center bg-primary text-white text-decoration-none m-0 ml-auto" style="width: 45px;
```

```
height: 45px;"></a>
                </div>
                <div class="card-footer py-3 px-4">
                   <div class="d-flex mb-2">
                      <small class="mr-3"><i class="fa fa-user text-primary"></i>
Admin</small>
                      <small class="mr-3"><i class="fa fa-folder text-primary"></i> Web
Design</small>
                      <small class="mr-3"><i class="fa fa-comments text-primary"></i>
15</small>
                   </div>
                   <p class="m-0">Diam amet eos at no eos sit lorem, amet rebum ipsum clita
stet, diam sea est magna diam eos, rebum sit vero stet ipsum justo et.</p>
                </div>
             </div>
          </div>
       </div>
    </div> -->
    <!-- Blog End -->


    <!-- Footer Start -->
    <div class="container-fluid bg-secondary text-white mt-5 py-5 px-sm-3 px-md-5">
       <div class="row pt-5">
          <div class="col-lg-4 col-md-12 mb-5">
             <h1 class="mb-3 display-5 text-capitalize font-italic text-white"><span class="text-
primary">Cloudy</span>Store</h1>
             <p class="m-0">This is a cloud storage website.we provide good data storage and
security for your data</p>
          </div>
           <div class="col-lg-8 col-md-12">
             <div class="row">
                <div class="col-md-4 mb-5">
                   <h5 class="text-primary mb-4">Quick Links</h5>
```

```
                <div class="d-flex flex-column justify-content-start">
                    <a class="text-white mb-2" href="#"><i class="fa fa-angle-right mr-
2"></i>Home</a>
                    <a class="text-white mb-2" href="#"><i class="fa fa-angle-right mr-
2"></i>About Us</a>
                    <a class="text-white mb-2" href="#"><i class="fa fa-angle-right mr-
2"></i>Our Services</a>
                    <a class="text-white mb-2" href="#"><i class="fa fa-angle-right mr-
2"></i>Our Team</a>
                    <a class="text-white" href="#"><i class="fa fa-angle-right mr-
2"></i>Contact Us</a>
                </div>
            </div>
            <div class="col-md-4 mb-5">
                <h5 class="text-primary mb-4">Popular Links</h5>
                <div class="d-flex flex-column justify-content-start">
                    <a class="text-white mb-2" href="#"><i class="fa fa-angle-right mr-
2"></i>Home</a>
                    <a class="text-white mb-2" href="#"><i class="fa fa-angle-right mr-
2"></i>About Us</a>
                    <a class="text-white mb-2" href="#"><i class="fa fa-angle-right mr-
2"></i>Our Services</a>
                    <a class="text-white mb-2" href="#"><i class="fa fa-angle-right mr-
2"></i>Our Team</a>
                    <a class="text-white" href="#"><i class="fa fa-angle-right mr-
2"></i>Contact Us</a>
                </div>
            </div>
            <div class="col-md-4 mb-5">
                <h5 class="text-primary mb-4">Get In Touch</h5>
                <p><i class="fa fa-map-marker-alt mr-2"></i>NFA, MES college,
Vadakara</p>
                <p><i class="fa fa-phone-alt mr-2"></i>8157939277</p>
                <p><i class="fa fa-envelope mr-2"></i>nfastorage3@gmail.com</p>
```

```
                <div class="d-flex justify-content-start mt-4">
                    <a class="btn btn-outline-light rounded-circle text-center mr-2 px-0"
style="width: 40px; height: 40px;" href="#"><i class="fab fa-twitter"></i></a>
                    <a class="btn btn-outline-light rounded-circle text-center mr-2 px-0"
style="width: 40px; height: 40px;" href="#"><i class="fab fa-facebook-f"></i></a>
                    <a class="btn btn-outline-light rounded-circle text-center mr-2 px-0"
style="width: 40px; height: 40px;" href="#"><i class="fab fa-linkedin-in"></i></a>
                    <a class="btn btn-outline-light rounded-circle text-center mr-2 px-0"
style="width: 40px; height: 40px;" href="#"><i class="fab fa-instagram"></i></a>
                </div>
            </div>
        </div>
    </div>
    <div class="row pt-3">
        <div class="col-md-6 text-center text-md-left mb-3 mb-md-0">
            <p class="m-0 text-white">
                &copy; <a class="text-white font-weight-bold" href="#">Cloudy Store</a>.
Designed by Fayiz,Ashkar,Niyas
                <!-- <a class="text-white font-weight-bold"
href="https://htmlcodex.com">HTML Codex</a> -->
            </p>
        </div>
        <div class="col-md-6 text-center text-md-right">
            <ul class="nav d-inline-flex">
                <li class="nav-item">
                    <a class="nav-link text-white py-0" href="#">Privacy</a>
                </li>
                <li class="nav-item">
                    <a class="nav-link text-white py-0" href="#">Terms</a>
                </li>
                <li class="nav-item">
                    <a class="nav-link text-white py-0" href="#">FAQs</a>
                </li>
```

```
                <li class="nav-item">
                    <a class="nav-link text-white py-0" href="#">Help</a>
                </li>
            </ul>
        </div>
    </div>
</div>
<!-- Footer End -->


<!-- Back to Top -->
<a href="#" class="btn btn-secondary border back-to-top"><i class="fa fa-angle-double-up"></i></a>


<!-- JavaScript Libraries -->
<script src="https://code.jquery.com/jquery-3.4.1.min.js"></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/js/bootstrap.bundle.min.js"></script>
<script src="/static/lib/easing/easing.min.js"></script>
<script src="/static/lib/waypoints/waypoints.min.js"></script>
<script src="/static/lib/counterup/counterup.min.js"></script>
<script src="/static/lib/owlcarousel/owl.carousel.min.js"></script>

<!-- Contact Javascript File -->
<script src="/static/mail/jqBootstrapValidation.min.js"></script>
<script src="/static/mail/contact.js"></script>

<!-- Template Javascript -->
<script src="/static/js/main.js"></script>
</body>

</html>
```

Sign up :

```
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/6.4.2/css/all.min.css">
    <link rel="stylesheet" href="style.css">
    <title>Modern Login Page | AsmrProg</title>

    <style>

@import
url('https://fonts.googleapis.com/css2?family=Montserrat:wght@300;400;500;600;700&displ
ay=swap');

*{
    margin: 0;
    padding: 0;
    box-sizing: border-box;
    font-family: 'Montserrat', sans-serif;
}

body{
    background-color: #c9d6ff;
    background: linear-gradient(to right, #e2e2e2, #c9d6ff);
    display: flex;
    align-items: center;
    justify-content: center;
    flex-direction: column;
    height: 100vh;
```

```
}

.container{
    background-color: #fff;
    border-radius: 30px;
    box-shadow: 0 5px 15px rgba(0, 0, 0, 0.35);
    position: relative;
    overflow: hidden;
    width: 768px;
    max-width: 100%;
    min-height: 680px;
}

.container p{
    font-size: 14px;
    line-height: 20px;
    letter-spacing: 0.3px;
    margin: 20px 0;
}

.container span{
    font-size: 12px;
}

.container a{
    color: #333;
    font-size: 13px;
    text-decoration: none;
    margin: 15px 0 10px;
}

.container button{
    background-color: #512da8;
    color: #fff;
```

```
    font-size: 12px;
    padding: 10px 45px;
    border: 1px solid transparent;
    border-radius: 8px;
    font-weight: 600;
    letter-spacing: 0.5px;
    text-transform: uppercase;
    margin-top: 10px;
    cursor: pointer;



}

.container button.hidden{
    background-color: transparent;
    border-color: #fff;
}

.container form{
    background-color: #fff;
    display: flex;
    align-items: center;
    justify-content: center;
    flex-direction: column;
    padding: 0 40px;
    height: 100%;
}

.container input{
    background-color: #eee;
    border: none;
    margin: 8px 0;
    padding: 10px 15px;
    font-size: 13px;
    border-radius: 8px;
```

```
    width: 100%;
    outline: none;
}

.form-container{
    position: absolute;
    top: 0;
    height: 100%;
    transition: all 0.6s ease-in-out;
}

.sign-in{
    left: 0;
    width: 50%;
    z-index: 2;
}

.container.active .sign-in{
    transform: translateX(100%);
}

.sign-up{
    left: 0;
    width: 50%;
    opacity: 0;
    z-index: 1;
}

.container.active .sign-up{
    transform: translateX(100%);
    opacity: 1;
    z-index: 5;
    animation: move 0.6s;
}
```

```
@keyframes move{
    0%, 49.99%{
        opacity: 0;
        z-index: 1;
    }
    50%, 100%{
        opacity: 1;
        z-index: 5;
    }
}

.social-icons{
    margin: 20px 0;
}

.social-icons a{
    border: 1px solid #ccc;
    border-radius: 20%;
    display: inline-flex;
    justify-content: center;
    align-items: center;
    margin: 0 3px;
    width: 40px;
    height: 40px;
}

.toggle-container{
    position: absolute;
    top: 0;
    left: 50%;
    width: 50%;
    height: 100%;
    overflow: hidden;
    transition: all 0.6s ease-in-out;
    border-radius: 150px 0 0 100px;
```

```
    z-index: 1000;
}

.container.active .toggle-container{
    transform: translateX(-100%);
    border-radius: 0 150px 100px 0;
}

.toggle{
    background-color: #512da8;
    height: 100%;
    background: linear-gradient(to right, #5c6bc0, #512da8);
    color: #fff;
    position: relative;
    left: -100%;
    height: 100%;
    width: 200%;
    transform: translateX(0);
    transition: all 0.6s ease-in-out;

}

.container.active .toggle{
    transform: translateX(50%);
}

.toggle-panel{
    position: absolute;
    width: 50%;
    height: 100%;
    display: flex;
    align-items: center;
    justify-content: center;
    flex-direction: column;
    padding: 0 30px;
```

```
    text-align: center;
    top: 0;
    transform: translateX(0);
    transition: all 0.6s ease-in-out;
}

.toggle-left{
    transform: translateX(-200%);
}

.container.active .toggle-left{
    transform: translateX(0);
}

.toggle-right{
    right: 0;
    transform: translateX(0);
}

.container.active .toggle-right{
    transform: translateX(200%);
}

.img__container {
  position: absolute;
  top: 8%;
  left: 50%;
  transform: translatex(-50%);
  img {
  width: 100px;
  height: 100px;
  object-fit: cover;
  border-radius: 50%;
  display: block;
  box-shadow: 1px 3px 12px rgba(0, 0, 0, 0.18);
```

```
    </style>
</head>

<body>

    <div class="container" id="container">
        <div class="form-container sign-up">
            <form method="post" enctype="multipart/form-data">
                {% csrf_token %}
                <h1>Create Account</h1>
                <input type="text" placeholder="Name" name="nm" required="">
                <input type="email" placeholder="Email" name="email"required="">
                <input type="password" placeholder="Password" name="pass"
pattern="(?=.*\d)(?=.*[a-z])(?=.*[A-Z]).{8,}" minlength="8" required>
                <input type="password"placeholder="confirm password"name="pas">
                <input type="text" placeholder="Phone NO" name="pn" pattern="[0-9]{10}"
required="">
                <input type="date" placeholder="age" name="age" required="">
                <input type="file" placeholder="" name="img" required="">
{#                <div class="genter">#}
{#                <input type="radio"name="genter"value="male" checked="">male#}
{#                <input type="radio"name="genter"value="female" checked="">female#}
{#                    </div>#}

                <input type="submit" value="Sign Up" name="register">
{#                <button type="submit">Sign Up</button>#}
            </form>
        </div>
        <div class="form-container sign-in">
            <form method="post">
                {% csrf_token %}
                <h1>Sign In</h1>
                <div class="img__container">
            <img src="/static/img/user.png"/>
```

```
          <span></span>
        </div>
            <input type="email" placeholder="Email" name="un" required>
            <input type="password" placeholder="Password" name="ps"   required>

            <button type="submit" name="log">Sign In</button>
          </form>
        </div>
        <div class="toggle-container">
          <div class="toggle">
            <div class="toggle-panel toggle-left">
              <h1>Welcome Back!</h1>
              <p>Enter your personal details to use all of site features</p>
              <button type="submit" class="hidden" name="log" id="login">Sign In</button>
            </div>
            <div class="toggle-panel toggle-right">
              <h1>Hello, Friend!</h1>
              <p>Register with your personal details to use all of site features</p>
{#               <a href="/temp/signup/" class="container/ btn btn-primary" id="register">Sign
Up</a>#}
              <button class="container/" id="register">Sign Up</button>
            </div>
          </div>
        </div>
    </div>

    <script>
  function togglePasswordVisibility() {
    var passwordInput = document.getElementById("password");
    var eyeIcon = document.querySelector(".eye-icon");

    if (passwordInput.type === "password") {
      passwordInput.type = "text";
      eyeIcon.textContent = "□";
    } else {
```

```
      passwordInput.type = "password";
      eyeIcon.textContent = "□";
    }
  }

  const container = document.getElementById('container');
const registerBtn = document.getElementById('register');
const loginBtn = document.getElementById('login');

registerBtn.addEventListener('click', () => {
    container.classList.add("active");
});

loginBtn.addEventListener('click', () => {
    container.classList.remove("active");
});
</script>
</body>

</html>
```

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BIBLIOGRAPHY

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ONLINE RERERENCE

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