



BABU BANARASI DAS NORTHERN INDIA INSTITUTE OF TECHNOLOGY

MINI PROJECT

Guided by:

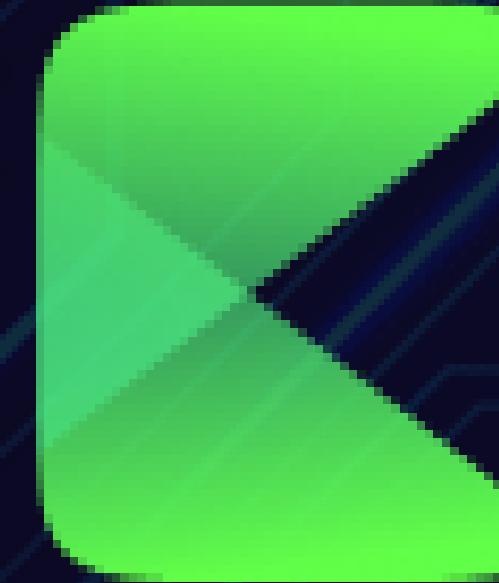
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KEYSCORE



ALL YOUR RESULTS IN ONE SECURE PLACE

INTRODUCTION

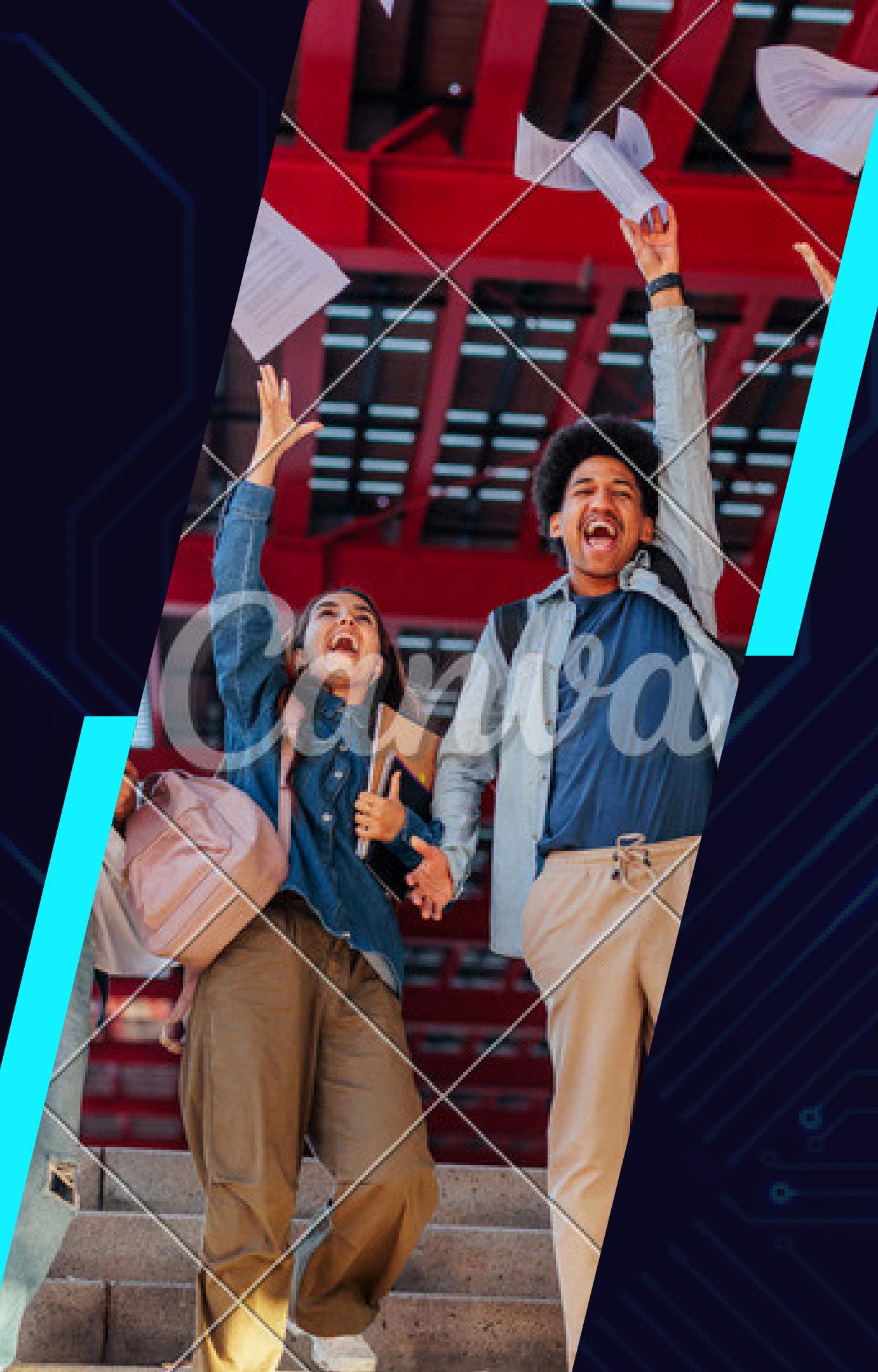
In today's digital world, students and professionals alike need efficient tools for storing, organizing, and accessing their documents. KeyScore is a cloud-based platform designed to provide users with a seamless solution for managing and securing their files. The platform allows users to securely log in, upload, store, and access their documents from any device, at any time.

With an emphasis on simplicity and a user-friendly experience, KeyScore features an intuitive design that makes navigation effortless. It centralizes all files in one location, making document retrieval quick and easy. KeyScore aims to solve the challenges of inefficient file organization and sharing, empowering users to take control of their data with a secure, reliable, and scalable storage solution for the future.



PROBLEMS

- **Inefficient File Organization:** Struggling to manage and organize results, certificates, and reports from multiple sources, leading to clutter and confusion.
- **Cumbersome Document Sharing:** Sharing documents for job interviews or applications is slow, complicated, and prone to delays.
- **Difficult Document Retrieval:** Locating specific files quickly is challenging, especially when documents are stored in various formats across different platforms.
- **Security Concerns with Sensitive Information:** Protecting sensitive documents such as personal data and professional achievements requires a secure and private storage system.
- **Limited Space for Showcasing Achievements:** CVs and professional profiles lack enough space to include all relevant accomplishments, making it hard to present a comprehensive profile.

A photograph of a man and a woman cheering on a staircase. The man, wearing a blue t-shirt with 'GO' printed on it, has his arms raised in excitement. The woman, wearing a denim jacket, is also cheering with her hands up. They are standing on a concrete staircase with a red wall in the background. A large white watermark with the word 'GO' is overlaid on the image.

ABSTRACT

- Provides a secure cloud-based platform for storing, organizing, and managing files efficiently.
- Secure login system to protect user data and ensure privacy.
- Simple and fast file uploads, with easy access and sharing across multiple devices.
- User-friendly interface with a modern design, featuring a green clay background and sleek form styling.
- Centralized system for organizing files, making document retrieval quick and easy.
- Scalable architecture designed for future growth, accommodating increasing storage needs.
- Empowers users to store, manage, and share documents seamlessly, ensuring easy access and collaboration.



OUR OBJECTIVE

1. Efficient Result Tracking

Users often struggle with manually managing and organizing their files, leading to inefficiencies and difficulty finding specific content.

2. Centralized Academic Management

There is a need for a unified platform that consolidates files from various sources, simplifying data storage and retrieval.

3. Data Security and Privacy

Protecting users' sensitive information is crucial, requiring strong encryption, secure login systems, and privacy features.

4. Intuitive User Experience

An easy-to-use, navigable interface is essential to ensure that users can upload, access, and manage their files without confusion or complexity.

5. Scalability for Future Growth

The platform must be scalable to accommodate growing data storage needs, offering the flexibility to expand as user demand increases.

ABOUT TECHNOLOGY

1. Frontend:

- HTML/CSS: Used to structure and style the web pages. This ensures a clean and responsive user interface.
- JavaScript: Enhances interactivity. It's used for form validations, handling user events like clicking buttons, and showing notifications.
- Bootstrap: A popular CSS framework for responsive and mobile-first web design. It helps you quickly create visually appealing web pages.

2. Database:

- Python (Flask): Flask is a micro-framework used to build web applications. It's lightweight, simple to use, and efficient for small-scale projects like this one. It handles HTTP requests, routing, and integrates with the database.

3. Database:

- SQLite: An embedded relational database. It's easy to set up, with no external server required, making it perfect for this project. It stores user data, file metadata, and folder structure.

4. Libraries:

- Flask-Mail: Used to send feedback data to the system administrator via email.
- PyPDF2: Handles PDF file reading and manipulation, for tasks such as extracting text or splitting/merging files.
- PIL (Pillow): A library to process image files, allowing image resizing, thumbnail creation, or other modifications before saving/uploading.

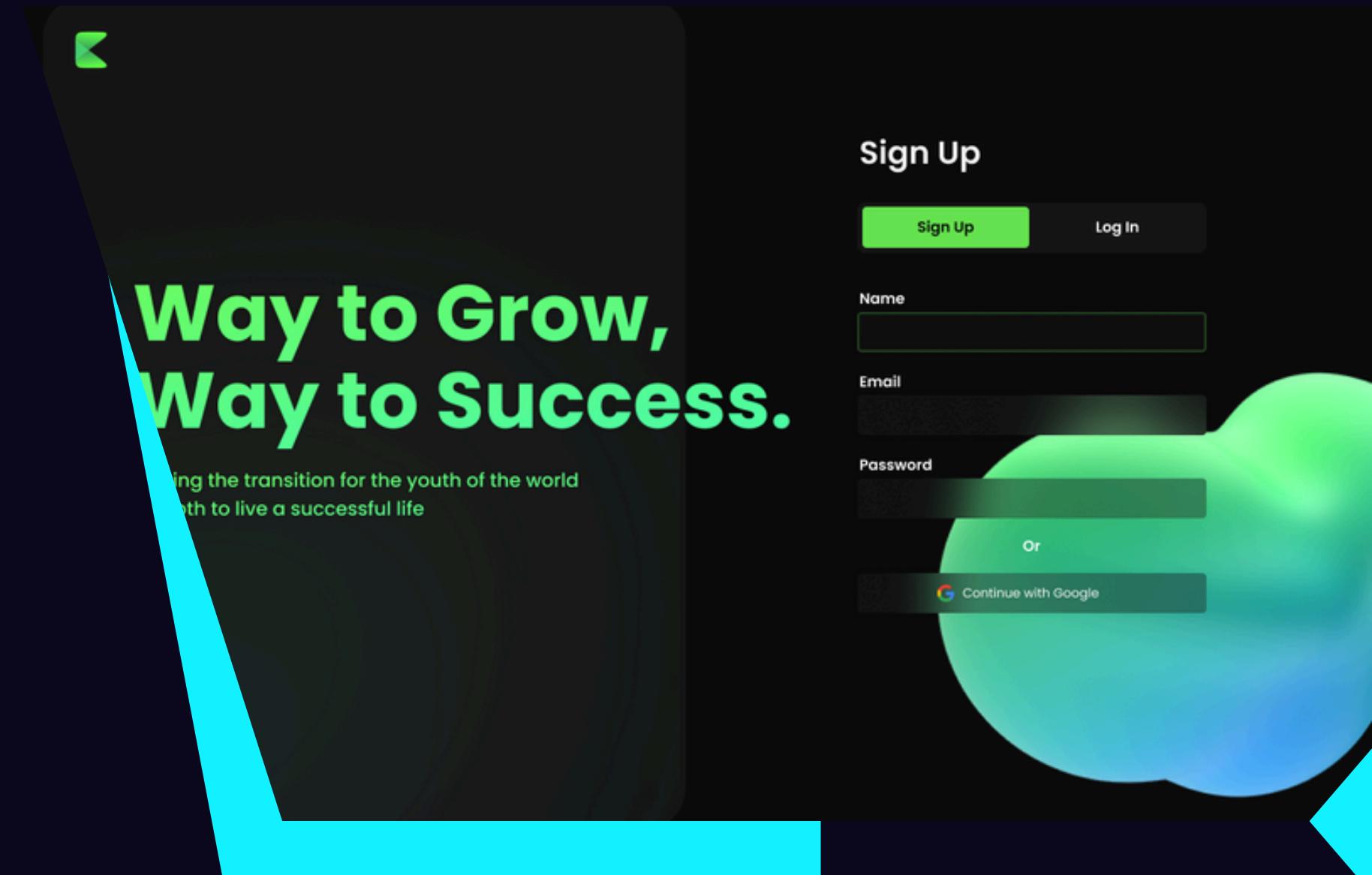




SIGNUP PAGE OVERVIEW

The Signup Page is designed for new users to create an account and gain access to the file storage system. Key features of the page include:

1. User-friendly Interface:
 - Simple and clear layout with input fields for Username, Email, and Password.
2. Input Validation:
 - Ensures valid data with error messages for empty fields or incorrect formats (e.g., invalid email or weak password).
3. Password Confirmation:
 - Users are prompted to confirm their password to ensure accuracy.
4. Email Availability Check:
 - Checks whether the entered email is already registered.
5. Error Handling:
 - Friendly error messages appear if the user enters invalid information or if the email is already registered.





DATABASE STRUCTURE

1. Users Table:

- **Columns:**

- id: A unique identifier for each user (Primary Key).
- username: The name of the user.
- email: The user's email address (Unique).
- password: The password for authentication.

- **This table stores basic information about registered users.**

2. Files Table:

- **Columns:**

- id: Unique identifier for each file (Primary Key).
- user_id: The ID of the user who uploaded the file (Foreign Key, linking to users table).
- file_name: The name of the uploaded file.
- file_path: The location of the file on the server.
- upload_time: The timestamp when the file was uploaded (Defaults to the current time).
- description: An optional field where users can provide a description of the file.

- **This table stores details about files uploaded by users.**

3. Folder Management:

- Users can create folders to organize their files. These folders are stored on the server, and each folder can contain multiple files.
- The files table is associated with folders indirectly via user uploads, but folders are created and managed separately at the server level (not stored in the database directly).

id	username	email	password
1	mohit	mohit@gmail.com	1234
2	Ayush Awasthi	ayush@gmail.com	12345
3	ayush	email@gmail.com	12345
4	Lankadhipati	Ayushawasthi5363@gmail.com	1234567890
5	Mohitawasthi	ravan@gmail.com	Ravan@2009
6	demo	demo@gmail.com	Demo@2024
7	Awasthi	abc@gmail.com	#1234
8	Abc	abcd@gmail.com	1234
9	xyzzy	rishu1020@gmail.com	12345
10	ayush	abc123@gmail.com	987654321
11	abcd	Ayush@gmail.com	1234567890
12	1111	aaaa@gmail.com	12345678901
13	Mohit Awasthi	Mohitawasthi@gmail.com	Mohit#9695
14	Abhishek	Abhishek@gmail.com	Ram@12345
15	Ayush	ayush1111@gmail.com	Indian#1234
16	Ayushawasthi5363	ayushawasthi5363@gmail.com	Indian#1234
17	dsfsfds	fdss@gmail.com	Indian#1234
18	mohit	aaaaaa@gmail.com	Mohit@12345
19	mhbbm	mohitawasthi@gmail.com	xydpUh-gixbud-xc
20	Ayush Awasthi	rishuawasthi1020@gmail.com	Vicelal1234
21	Lankadhipati	ayushawasthi1020@gmail.com	12345678901234
22	Ayush	xyz123@gmail.com	12345678901234
23	Ruchita	ruchita@gmail.com	0987654321



USER AUTHENTICATION FLOW

- **Signup Process:**

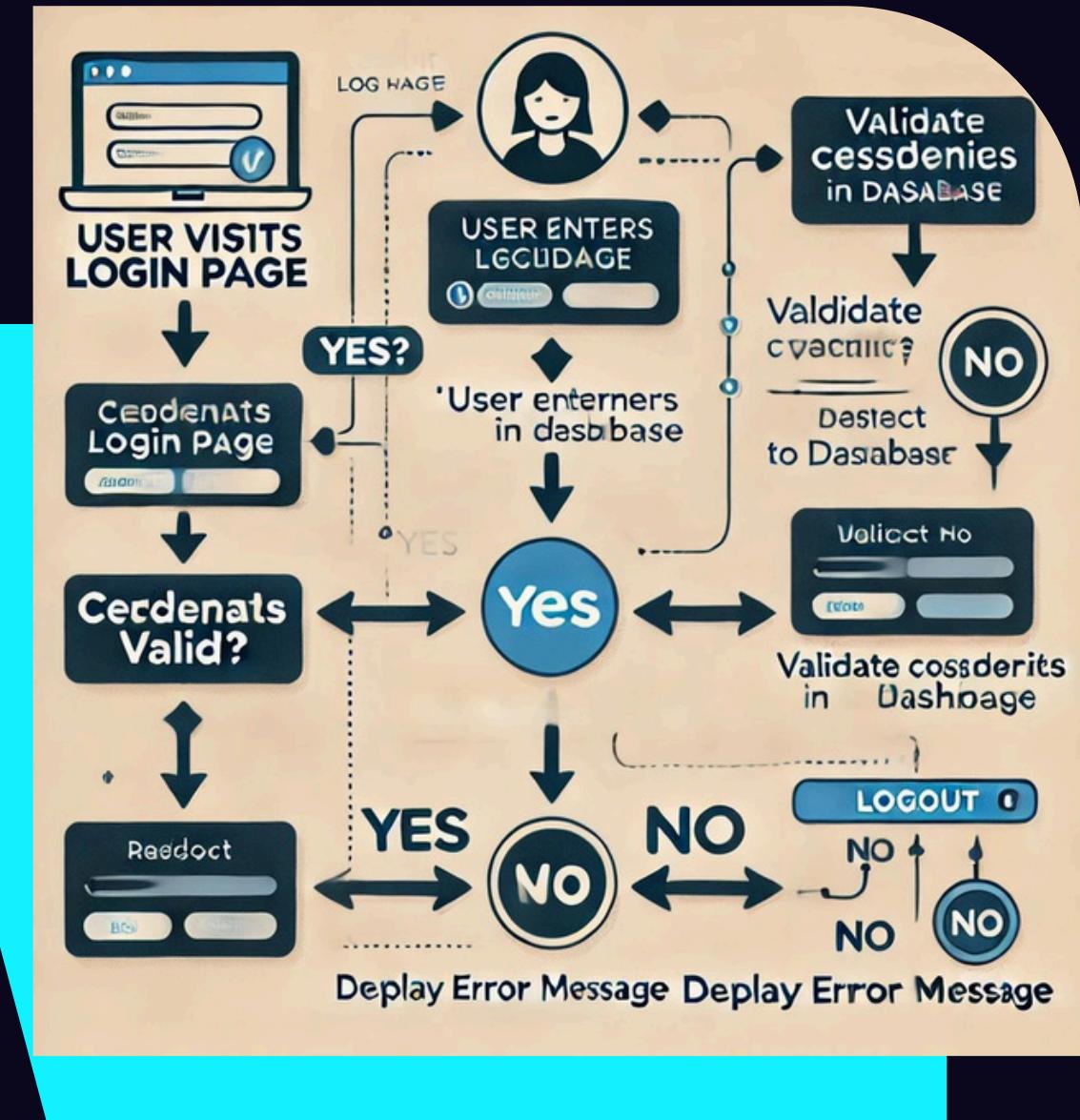
- Users create an account by providing a username, email, and password.
- The email and password are validated to ensure they meet the required format (e.g., valid email and strong password).
- If registration is successful, the user is added to the users table in the database.

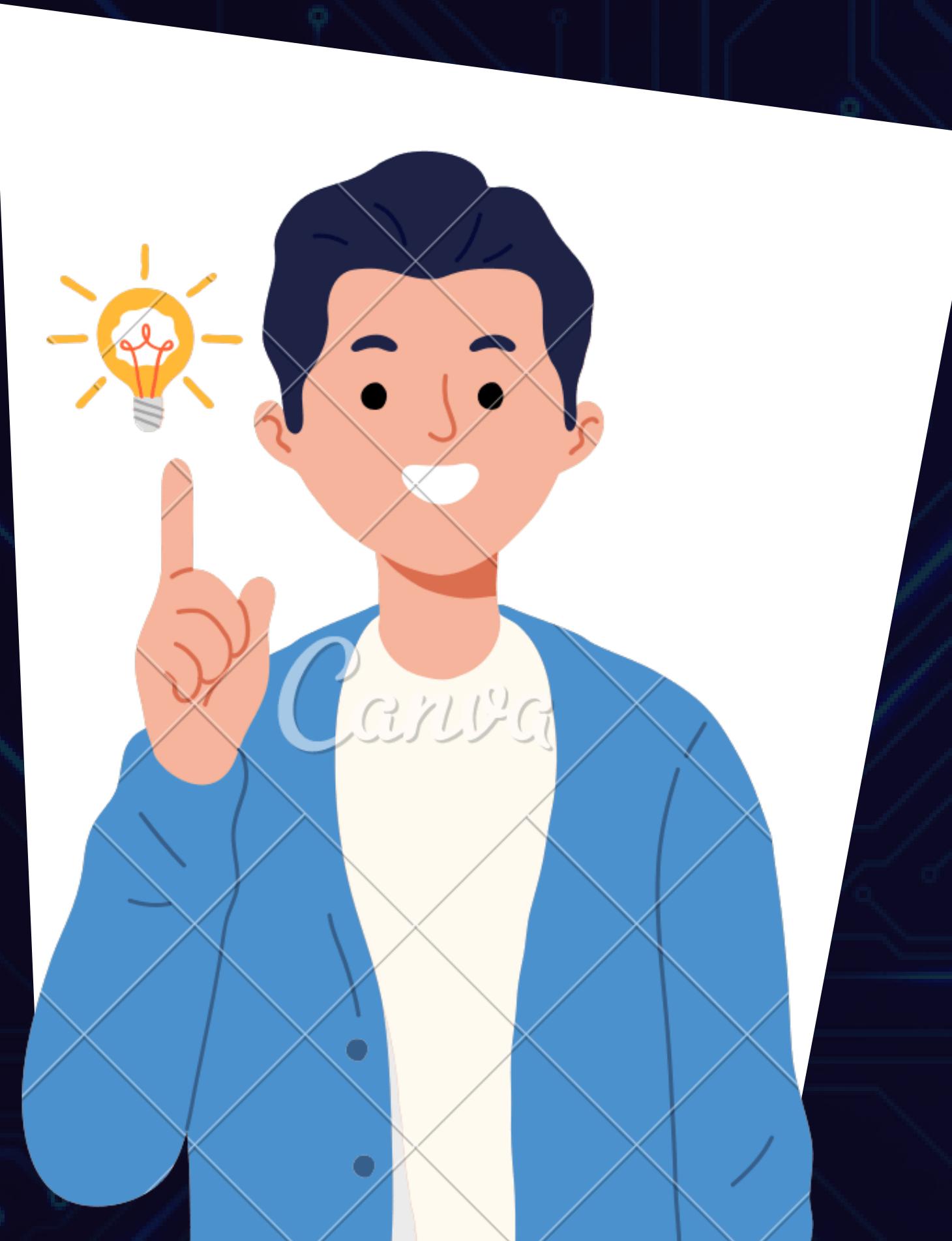
- **Login Process:**

- Users can log in by providing their email and password.
- The system verifies the entered credentials against the records in the users table.
- If authentication is successful, a session is created for the user, and they are redirected to the dashboard page.
- If the credentials are incorrect, an error message is displayed

- **Session Management:**

- After logging in, the user's session is maintained until they manually log out.
- Session data is stored on the server and allows the application to remember the logged-in user and display their personalized content (e.g., their files).





WE VALUE YOUR FEEDBACK!

If you have any ideas or suggestions to enhance this project and make it even better, please feel free to reach out! Your input is highly appreciated.



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THANK YOU