AISHA DAHIRU SHETTIMA

BU/22B/IT/6789

DESIGN AND IMPLEMENTATION OF A SECURED E-VAULT TO STORE DOCUMENTS

I am writing to propose the design and implementation of a secured e-vault to store documents. Out of many different alternatives to store documents that exists the one that seems to have the most potential and one of the best ways to store passwords in the database is by hashing them. The purpose of this project is to create a secured login to the e-vault in order to secure documents.

PROJECT GOALS

The goal of designing and implementing a secured e-vault to store documents is to create a digital storage system that ensures the confidentiality, integrity, and accessibility of sensitive information. The e-vault will provide a safe and convenient way to store and access important documents.

AIMS AND OBJECTIVES

* The admin will provide a safe and efficient solution for storing and managing sensitive documents for the user.
* A database will be designed to make information retrieval easy.
* The method of documents upload will be done by only the admin as well as creating users credentials by which the employee can access those documents which are stored in the database.

SCOPE OF THE PROJECT

The system will include features like

Webpage; it shows a module were a registered admin and user can login with their user name and password on their separate login page

Admin login

User login

Admin Dashboard

Add Admin

View Admin

Add user

View user

My documents

Add documents; this allows admin to upload documents of various file type (.docx.pptx.pdf)

Admin Log History

User Log History and

User Dashboard

Two factor authentication; implementing a strong authentication system to ensure that only authorized users can access the vault. This can include features like usernames, passwords, and possibly two-factor authentication for added security.

Encryption for stored documents; this adds an extra layer of security to protect sensitive information.

Backup and recovery

File versioning; Allows users to store multiple versions of the same documents, enabling them to track changes and revert to the previous versions if needed

Offline access; Provide users with the ability to access and view their documents even when they are offline. This can be useful in situations where internet connectivity is limited.

Document Expiry; add the ability for users to set and expiration date for certain documents.

Lastly, the design and implementation of E-Vault security will helps institutions, corporation and organizations to secure their documents from unauthorized access, loss of documents, fire outbreak, environmental hazards and many more. This system should be available to every institution, corporations, and organization that will serve as a means of security.