

SECURED STORAGE SYSTEM

Under the guidance of:-

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Objective

- Storage.
- Storage security
- Restricting a data breach and Unauthorized access
- Our system is a secured storage system, the authentication and authorisation has been given the utmost priority in our application.





Introduction

- This project aims to create a secured storage system using crypto.js and bcrypt (a module of node.js), where a user can store all their important documents, certificates and data securely without having the fear of their data being leaked on the internet.
- The data of the user will be in encrypted form. Only authenticated people can access those stored data. It will act as a portal where one can upload and store documents like PAN Card, passport, marksheets and degree certificates. It aims at eliminating the use of physical documents and enables sharing of verified electronic documents across agencies.
- It will actually provide an online personal storage space in the database to citizens, linking their mobile number or email. Users can also upload and securely store the scanned copies of legacy documents in it.



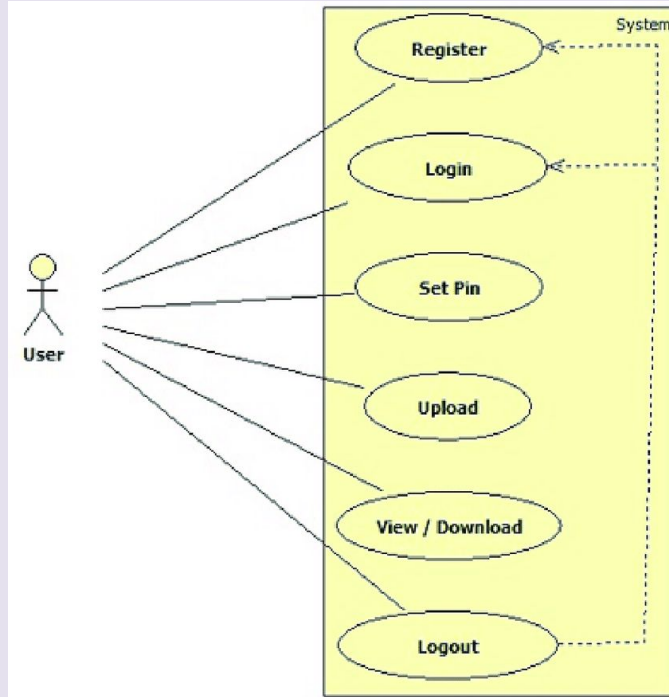
Use-case



- A scalable secure storage infrastructure is essential for protecting sensitive data, as crying over spilled milk or lost data serves no purpose.
- Our secure storage system safeguards personal and sensitive information, utilizing encryption and modern technologies to defend against data breaches and cyber thefts.
- We employ Crypto.js for file encryption and ensure secure user login with MFA and bcrypt in the backend.



Use-case diagram:

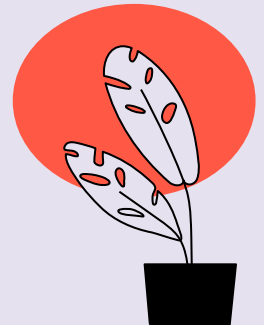
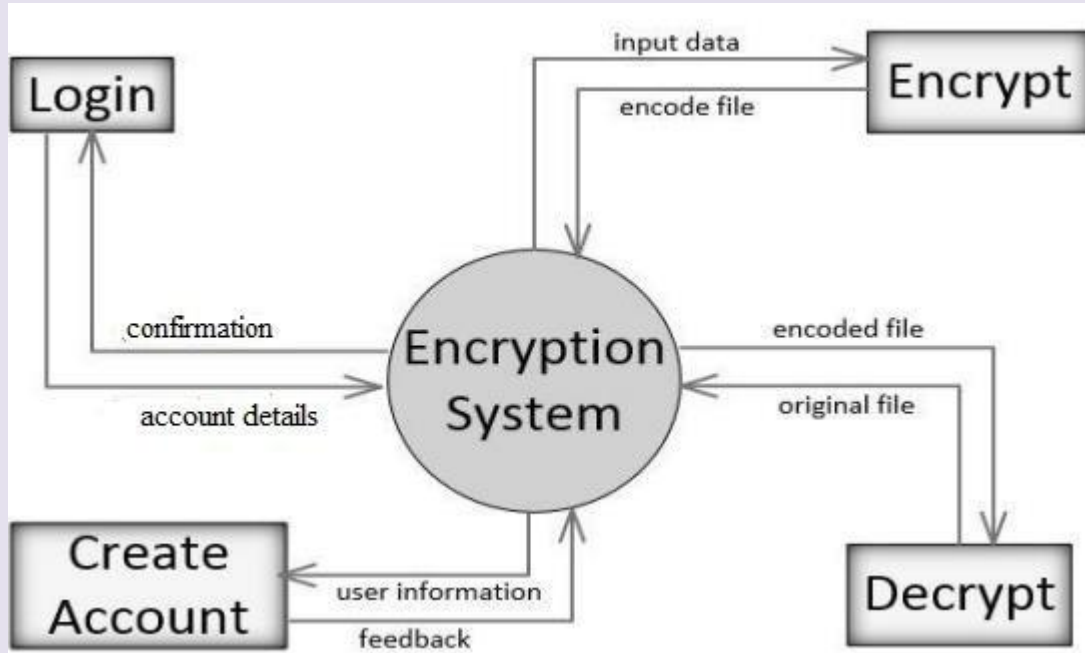


Features:

- Create a profile and Login in out app securely.
- Upload the documents in any format and store it in an encrypted form.
- View all the documents.
- View according to the categories and search a particular document.
- Download the file, Share anywhere you want to.
- Best User Experience.



Workflow:





Let's have a Demo of our App

Future Scope

Admin

Addition of an admin for adding categories and having a check on the activities

Login history

Giving the user access to his active logins and its history.

Data Analysis

Analysis the age group accessing the app most for business purposes

Notify Unwanted logins

Notify the users either by mail or email if there is any case of unwanted login or activities in their profile.



System Requirements



SOFTWARE REQUIREMENT :

Mobile (Android 4.4 KitKat or above and/or IOS 12 and above)
Any Browser, preferably Google Chrome or Safari
Windows 7 or Above and Mac

HARDWARE REQUIREMENT :

Android or IOS device
RAM 2GB or above
Processor 1GHz or above





Thank you!