

Encryption x2

Project Charter

Problem Statement

In this day and age, cybersecurity is at a paramount. As the number of Internet users is continually increasing, so is the number of users who have bad intentions. Therefore, we need a service where you can store files that are important to you securely.

Encryption x2 handles that for you by encrypting your uploaded documents, and allowing you to access them only with an access key. Users can also share their encrypted files with other users.

Objectives

- Build a website for users to store important files and images
- Allow users to create an account to keep track of their files and images
- Allow users to upload their files and images onto the server
- Allow users to share encrypted files and images with other users
- Successfully encrypt and decrypt files and images
- Preventing users from downloading files and images after decryption
- Have a user set timeout after which the file gets encrypted again

Stakeholders

- Group members
- Future users of the website

Deliverables

- A website using Node JS, Mongo DB, and Advanced Encryption Standard JS API
- A way for users to store and view important files and images
- A way for users to share files more securely
- A database to be hosted on Heroku to store user credentials, information and relevant keys
- A cloud storage service to store user files