Title: Encryption and Decryption tool using your own algorithm.

Consist of:

* Registration page
* Login page
* Main window/page with option of encrypting or decrypting.

Main Objectives:

* To be able to upload file or write text with the idea to have it encrypted/decrypted
* Algorithm will require a security key, so same text may yield different results for different users, providing better security.
* Should be able to generate a text file containing passphrases/keys/checksum to be used while decrypting the particular file.
* The encrypted files would not be able to get decrypted by any other application even through using the security keys saved instead only through the developed app, due to the complexity of algorithm.
* Should be able to have some kind of logs in respect of files encrypted or decrypted with a timestamp. : Possible
* Checksum will be used to verify key integrity.
* Type of encryption used.
* To demonstrate that the mechanism uses if a customize one.
* User Register, Login and enter passphrase to decrypt ( for example)
* Historic of files which have been encrypted and decrypted.
* Stamp of file limit to be uploaded, to avoid server crash etc..
* Type of file ( Word, Excel, PDF, Text File, Photo)
* When entering the encryption key – it should be hidden.
* Process should be twice such as enter pw and confirm pw.
* Decrypted file should not be automatically downloaded, should prompt user to download the file or if possible to enable the possibility to share over email, as link…
* Files can be stored on webserver.