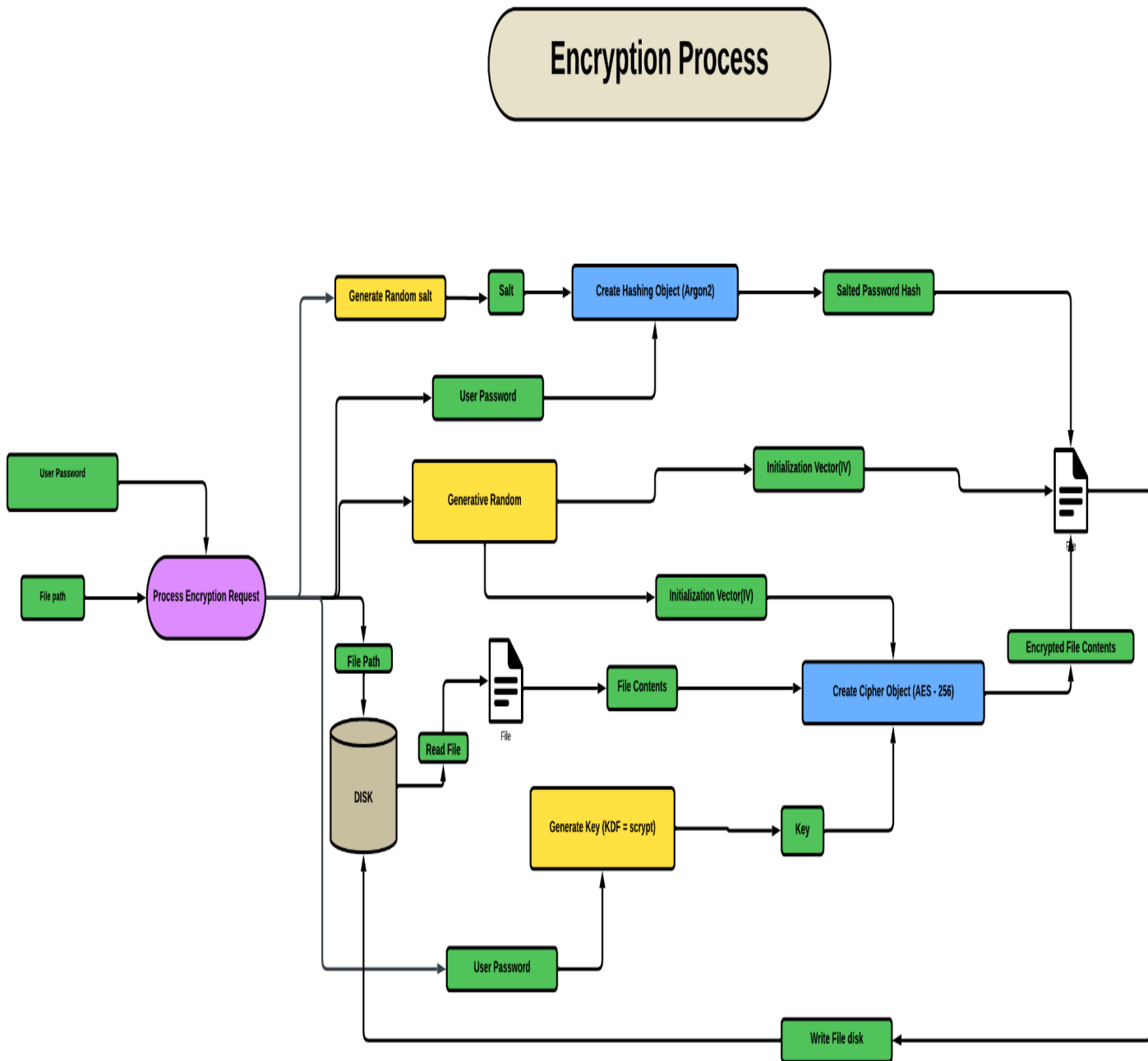


## File Encryption:-

A random File Encryption Key is generated using a secure random number generator.

The selected file or directory is encrypted using AES-256 encryption with the generated File Encryption Key



## Decryption Process:

When the user needs to access the encrypted file, they must enter their passphrase.

The application uses the KDF to derive the decryption key from the user passphrase.

If the passphrase is correct, the File Encryption Key is decrypted.

The decrypted File Encryption Key is then used to decrypt the file, making it accessible to the user.

