

Addis Ababa Science and Technology University

Encryption and Decryption Tool

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Encryption Manager	
Responsibilities: • managing the encryption process	Collaborates:

Responsibilities: • Manages the decryption process. Collaborates: • Decryption Algorithm • Key Manager • File Handler • User Interface

FileEncryptor & FileDecryptor	
Responsibilities: • Combines encryption/decryption functionalities with file handling.	Collaborates:

File Handler	
Responsibilities: • Handles file-related operations such as reading from and writing to files	Collaborates:

Encryption Algorithm & Decryption Algorithm		
Responsibilities :	Collaborates :	
Represent classes to encapsulate specific encryption and decryption algorithms.	File Encryptor and Decryptor Key Manager	

Key Manager		
Responsibilities: • Manages the generation, storage and retrieval of encryption/decryption keys.	Collaborates: • Encryption Algorithm & Decryption Algorithm • File Encryptor and FileDecryptor • User Interface	

Responsibilities: • Manage queries of the user. Collaborates: • Encryption Manager • Decryption Manager • Key Manager

