GROUP 12 PROPOSAL FOR A PASSWORD VAULT DEVELOPMENT

We as a group propose to develop a Password Vault that serves as A locally encrypted password manager with a master password, add/get/list entries, and a copy-to-clipboard feature. This would be achieved by ensuring the Functionality Initializing a vault with a master password, adding encrypted entries, and retrieving /decrypting entries securely. All these would be done by implementing tools such as high-level APIs from the cryptography library, such as AES-GCM for encryption and PBKDF2/Argon2 for key derivation from the master password. All these would be done in a Virtual Environment.