COD3BR3AKR System Architecture Design

User Management Component

- IsUserAuthPass
- AddUser
- GetAllUser
- ....
- UpdateUser

UserManager (Static Class)

User Operation

XMLHelper
- Delete
- Insert
- Read
- Update

XML File

GenerateUserID

UserID

INIFile_Handler
- Read
- Write

INI File

GUI Interface

- Login Form
- Account Management
- Main Form

Register/Reset

Manage

Authentication

Add, remove, Update, Query

Logger Engine

Logger

Write

System Log

Cryption Engine

- RSACryption
- AESCryption
- TripleDESCryption

Selected algorithm

CryptionHelper → Initialize → Cryptor
- Encrypt (1 overload)
- Decrypt (1 overload)