

jim

1.0

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Chapter 1

README

Group project for COP3503. Text file editor with encryption capability.

Chapter 2

Class Index

2.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

encryptor	5
text_editor	7

Chapter 3

Class Documentation

3.1 encryptor Class Reference

Public Member Functions

- [encryptor](#) (const std::string &key)
- void [encrypt_file](#) (const std::string &) const
- void [decrypt_file](#) (const std::string &) const
- bool [validate_key](#) (const std::string &) const
- void [import_file](#) (const std::string &, std::vector< std::string > *) const
- void [export_file](#) (const std::string &, std::vector< std::string > *) const

3.1.1 Constructor & Destructor Documentation

3.1.1.1 encryptor()

```
encryptor::encryptor (  
    const std::string & key )
```

Constructor

Parameters

<i>key</i>	- password used to encrypt and decrypt
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3.1.2 Member Function Documentation

3.1.2.1 decrypt_file()

```
void encryptor::decrypt_file (
    const std::string & ) const
```

Decrypts file

Parameters

<i>file_name</i>	- name of file to be decrypted
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3.1.2.2 encrypt_file()

```
void encryptor::encrypt_file (
    const std::string & ) const
```

Encrypts file

Parameters

<i>file_name</i>	- name of file to be encrypted
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3.1.2.3 export_file()

```
void encryptor::export_file (
    const std::string & ,
    std::vector< std::string > * ) const
```

Exports file

Parameters

<i>filename</i>	- name of file to be exported
<i>data</i>	- file contents

3.1.2.4 import_file()

```
void encryptor::import_file (
    const std::string & ,
    std::vector< std::string > * ) const
```

Imports file

Parameters

<i>file_name</i>	- name of file to be imported
<i>buffer</i>	- where file is read into

3.1.2.5 validate_key()

```
bool encryptor::validate_key (
    const std::string & ) const
```

Compares given password with password used to encrypt

Parameters

<i>user_key</i>	- password to verify
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Returns

- true if passwords match, otherwise false

The documentation for this class was generated from the following files:

- C:/Users/Nick/OneDrive - University of Florida/School/UF/Semester 2/COP3503/jim/encryption.h
- C:/Users/Nick/OneDrive - University of Florida/School/UF/Semester 2/COP3503/jim/encryption.cpp

3.2 text_editor Class Reference

Public Member Functions

- [text_editor](#) (const std::string &save_file)
- void [run_text_editor](#) ()

3.2.1 Constructor & Destructor Documentation

3.2.1.1 text_editor()

```
text_editor::text_editor (
    const std::string & save_file )
```

Constructor

Parameters

<i>save_file</i>	- name of file
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3.2.2 Member Function Documentation

3.2.2.1 run_text_editor()

```
void text_editor::run_text_editor ( )
```

Initializes text editor screen and handles key input

The documentation for this class was generated from the following files:

- C:/Users/Nick/OneDrive - University of Florida/School/UF/Semester 2/COP3503/jim/text_editor.h
- C:/Users/Nick/OneDrive - University of Florida/School/UF/Semester 2/COP3503/jim/text_editor.cpp

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