

Text/Image Steganography Documentation

Project Name: Text/Image Steganography

December 28, 2016

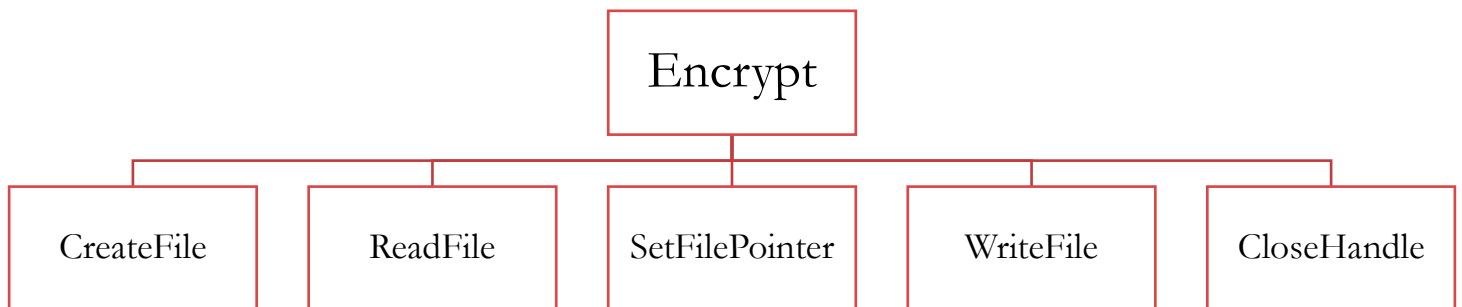
Project languages:

- C#
- Assembly x86

● Project Description	An image steganography by converting the image into text of pixels and use the LSB to hide the ciphered text that encrypted by The Caesar cipher Algorithm (Cryptography). The project decrypt the image by loading it, converting the pixels' digits and break the LSB.
● Language	<ul style="list-style-type: none">● C#: converting from image to text and vice versa.● Assembly x86: Encryption and Decryption (Steganography).● Assembly x86: Encryption and Decryption (Cryptography).● Assembly x86: Linking between Assembly code and C#.
● Milestones accomplished the week of 12/8/2016 - 12/20/2016:	<ul style="list-style-type: none">● Create image viewer GUI Desktop application.● Create text Hiding Application using assembly language program.● Bonuses (Link between assembly and C#. And using cryptography first).● More information: https://goo.gl/y6VKjl

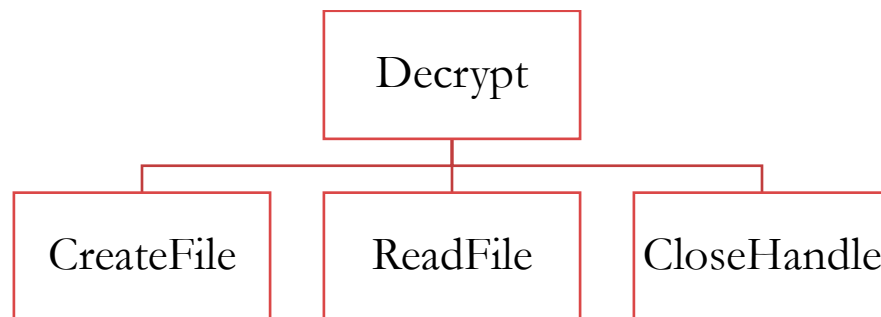
Encryption Procedure

Load a text file and encrypt the text file by changing the Least Significant Bit of the pixels.



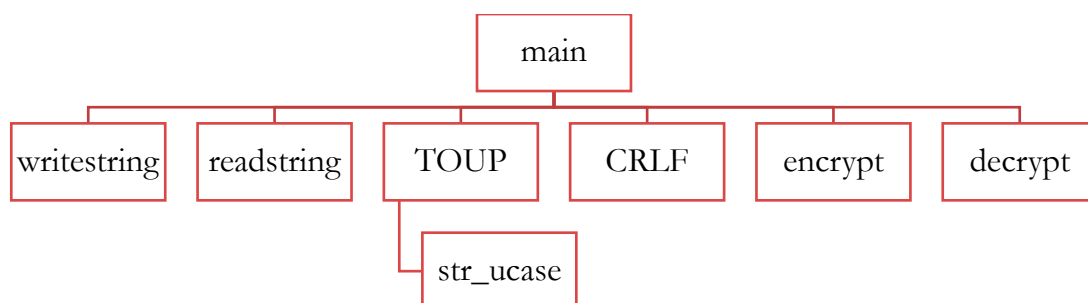
Decryption Procedure

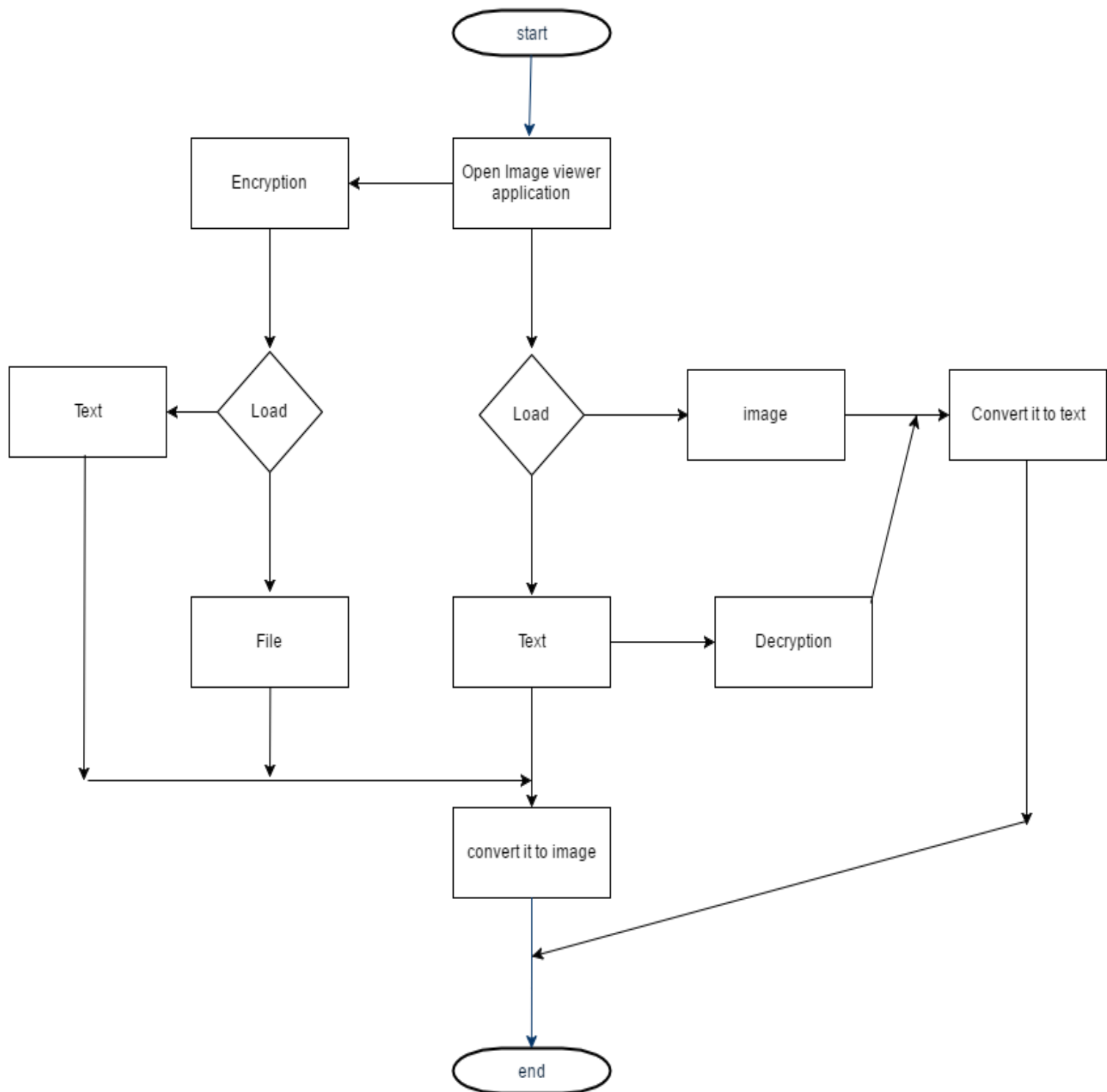
Decrypt the text file by breaking the LSB encryption.



Main Procedure of Caesar cipher

The Caesar cipher is a substitution cipher where each letter in the original message (called the plaintext) is replaced with a letter corresponding to a certain number of letters up or down in the alphabet.





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