7402 Asn 4 Design

“I encrypted the path less travelled and it made all the difference”

Isaac Morneau; A00958405
John Agapeyev; A00928238

FSM **3**

Pseudocode **4**

Start 4

Load File 4

Check Mode 4

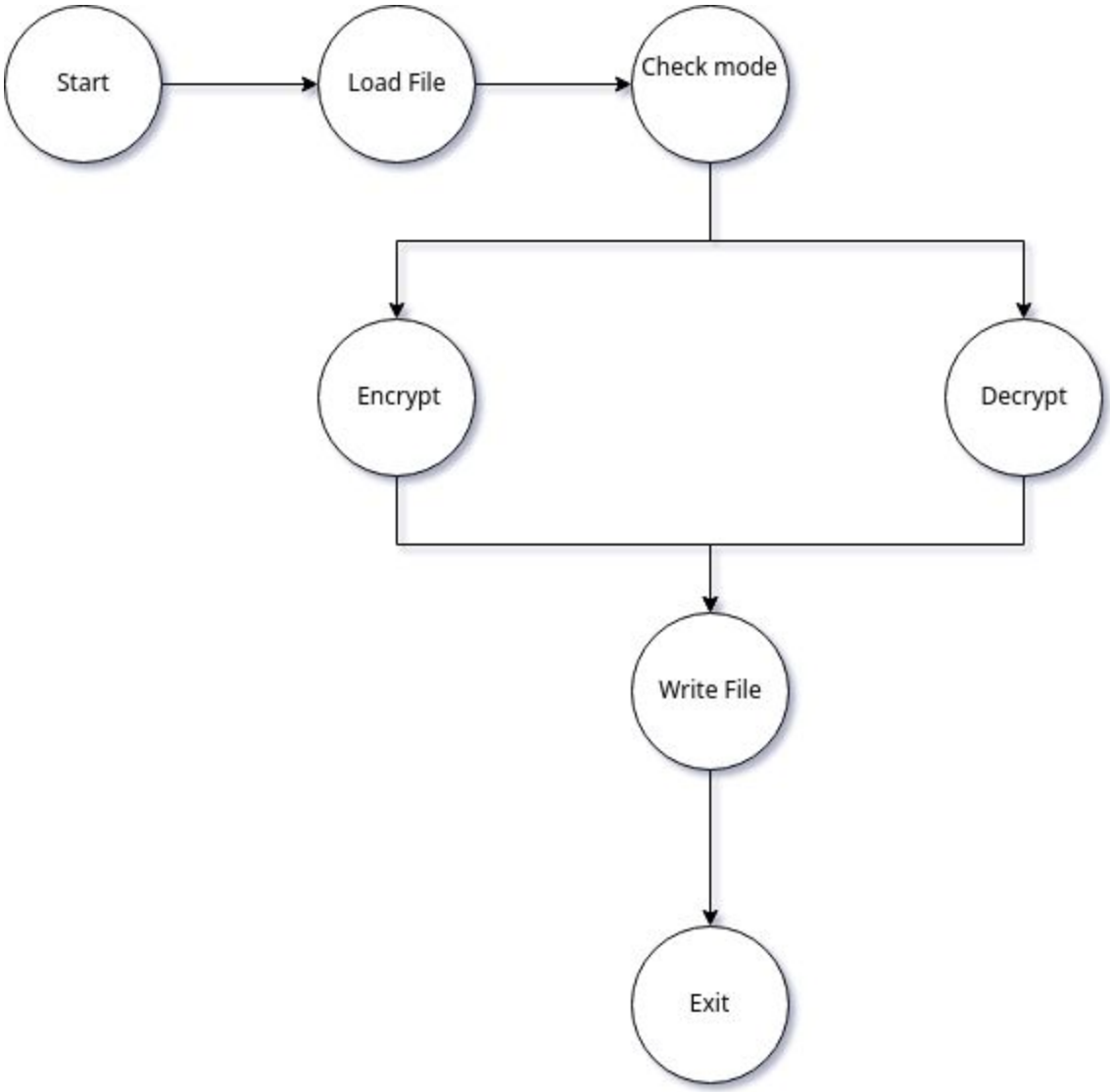
Encrypt 4

Decrypt 4

Write File 4

End 4

FSM



Pseudocode

Start

Allocate resources
Goto Load File

Load File

Load the bytes of the file into memory
Goto Check Mode

Check Mode

If mode is encrypt
    Goto Encrypt
Otherwise
    Goto Decrypt

Encrypt

Run the feistel function forward (encrypting) over the data for 8 rounds
Goto Write File

Decrypt

Run the feistel function inverted (decrypting) over the data for 8 rounds
Goto Write File

Write File

Write the modified data to the output file
Goto End

End

Free resources