



# COMP 8505 ASSIGNMENT TWO DESIGN DOCUMENT

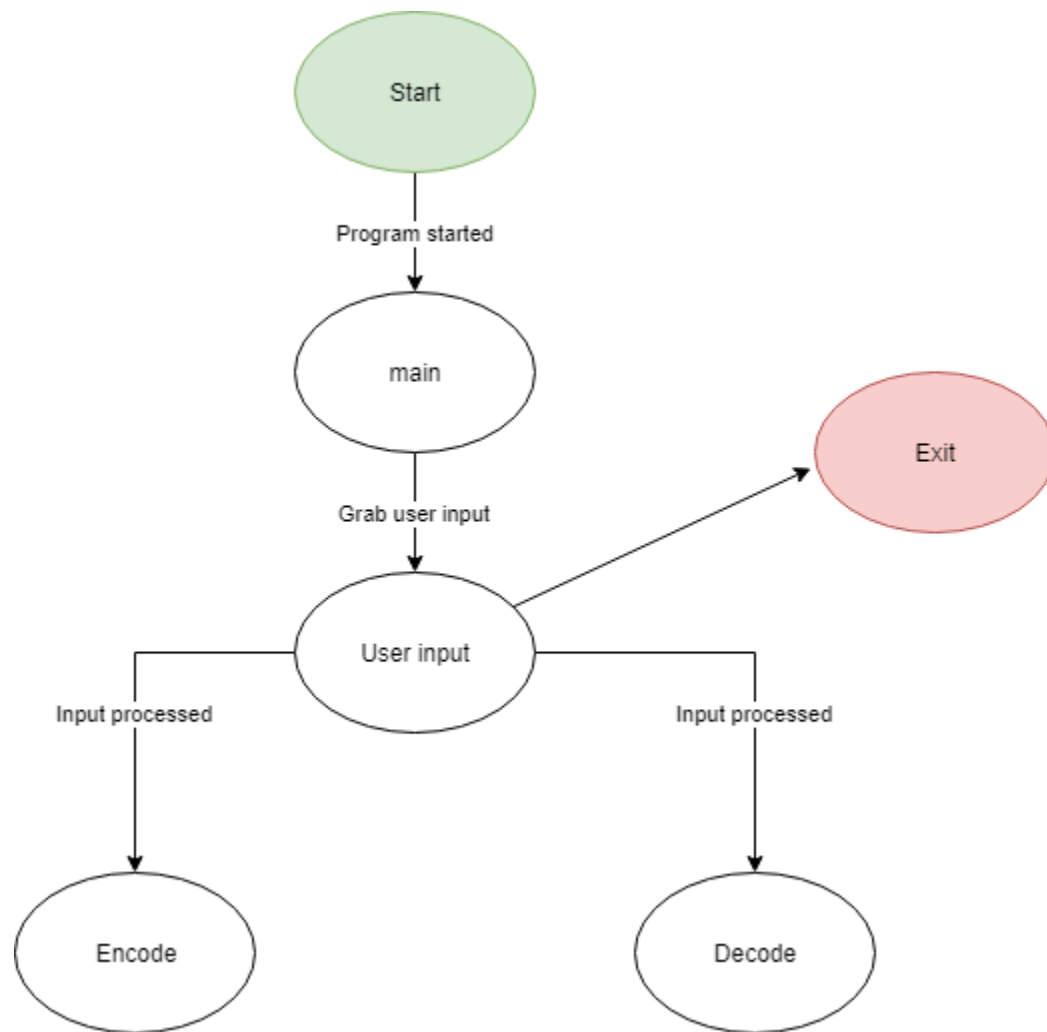


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# State Diagram

## Utility



Start Program

Main function

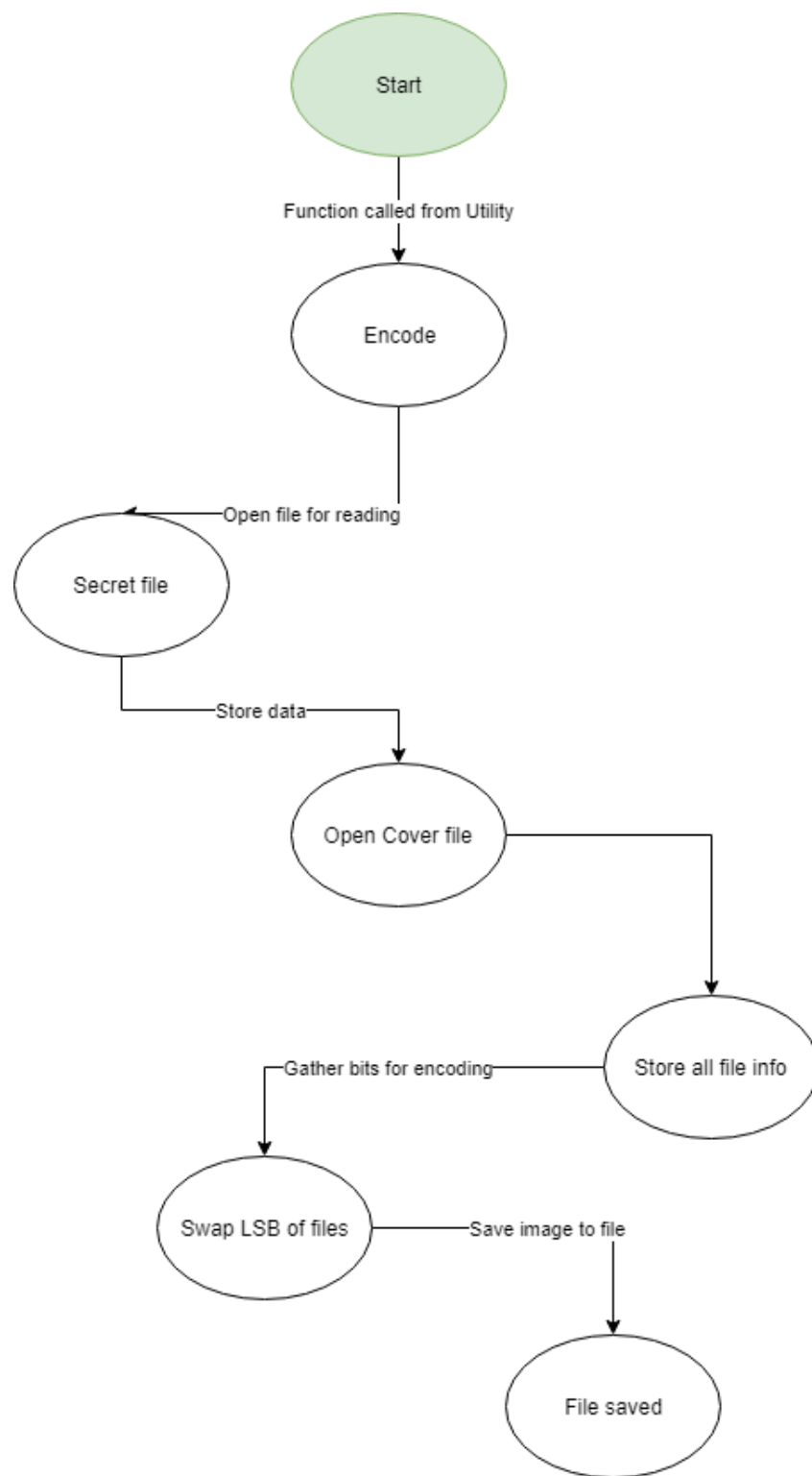
Process and save user arguments

If user chose encoding, go to encode

If user chose decoding, go to decode

If user chose to exit, exit program

## Stego



Start program

User chose encoding

Open up the secret file for reading

Store all the data into array

Open up and convert cover image to write to in RGB

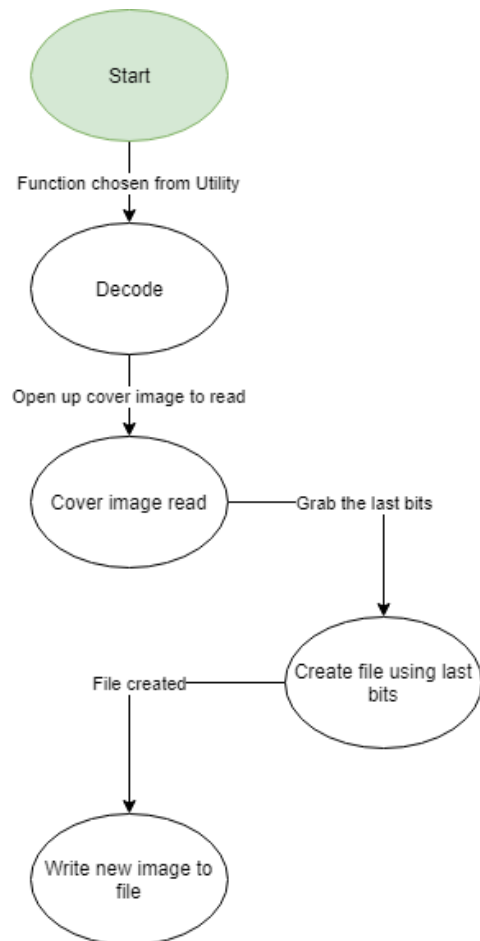
Go through all the bits of the cover image for red green or blue

Manipulate the least significant bit of each RGB color space (number)

Save the bits to image file

Process file for saving

## Image



Start program

User chose decoding

Open up the cover image with embedded secret image that user chose

Grab file information to begin decoding

Go through every pixel and grab the last bit

Open up new file name passed by user

Write the bits to the new file