

# Project Proposal

EN507 - Object Oriented Programming



# Team

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# Kryptic Kalypso

An Enigma Cipher based **Image Steganography and Encryption System** with Linear Bitwise Compression



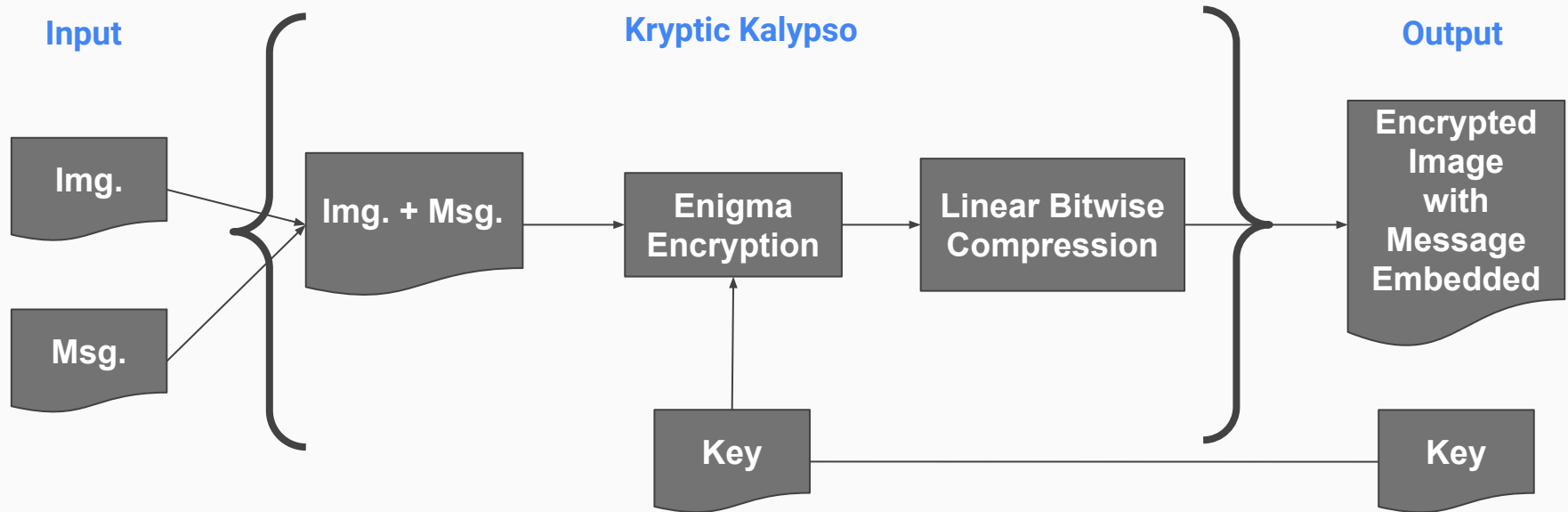
# What is “Kryptic Kalypso”?

Sharing data over the internet is rapidly gaining popularity. Though sharing data directly can have severe privacy concerns.

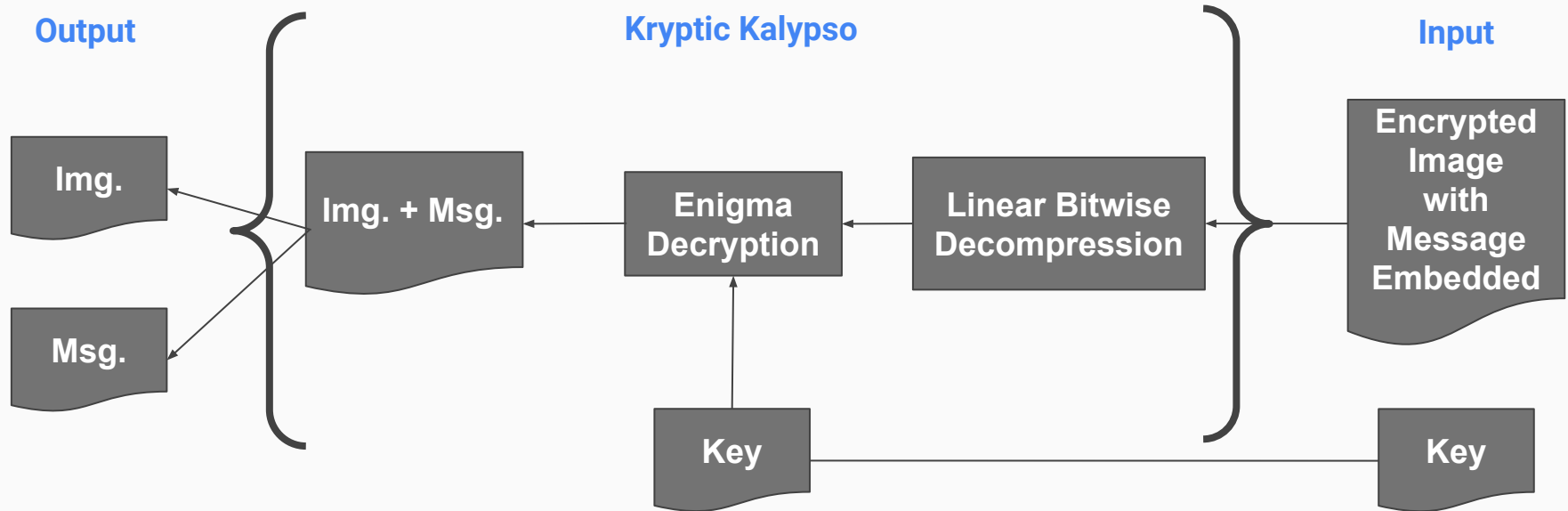
Acknowledging aforementioned problem, Our team would like to propose a system of sending message embedded into images (**Steganography**), which in turn is encrypted using one of the most famous historical ciphers, **Enigma Cipher**.

Though this might increase image size exponentially, as many of image format seem to optimize poorly during our proof of concepts. That's why we incorporated a self-designed **Linear Bitwise Compression** algorithm.

# Encryption-Compression Process



# Decryption-Decompression Process



# Tech Stack



Backend



Frontend



Version Control

