

# COMP 5422

## Individual Assignment

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**Topic :**

**Image Encryption by RSA Algorithm upon Image Compression by DCT and Huffman Coding**

# Reference

- IEEE Literatures :

Hiding Data Using Efficient Combination of RSA Cryptography, and Compression Steganography Techniques  
<https://ieeexplore.ieee.org/abstract/document/9356603>

- GITHUB Libraries :

Compression of images with JPEG algorithm using python and Huffman codes  
<https://github.com/josgard94/JPEG>

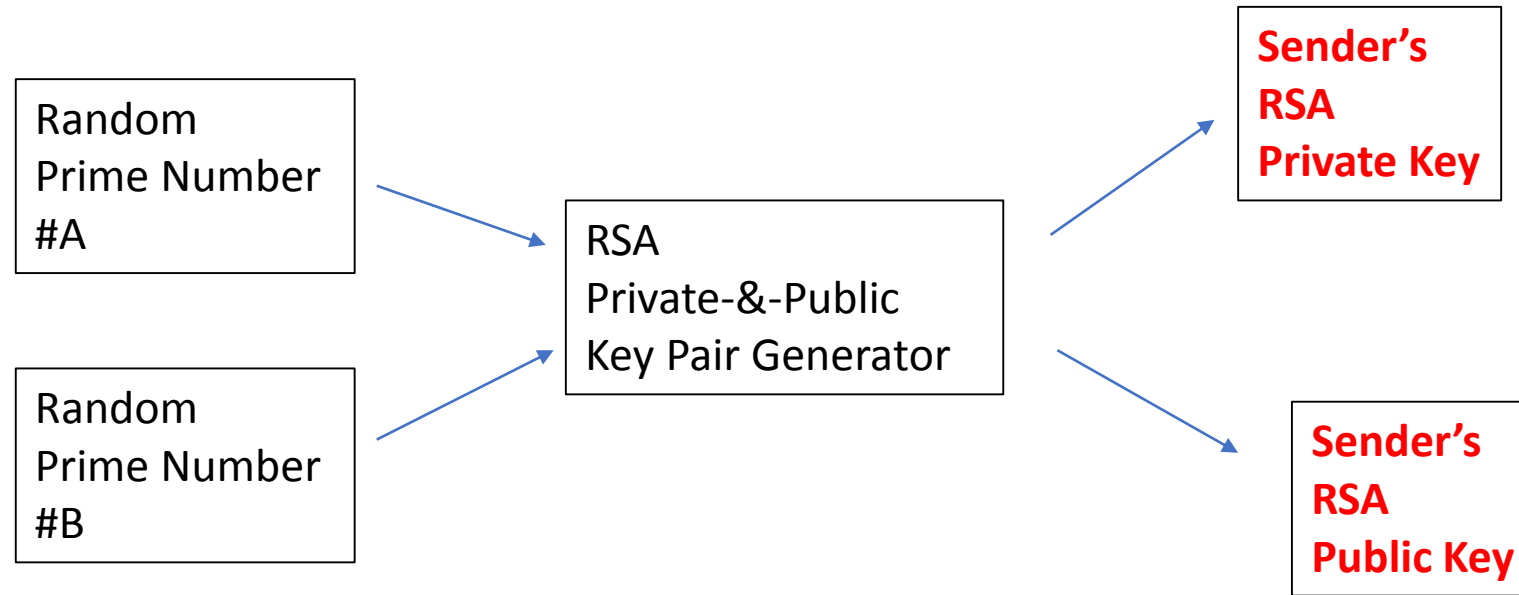
Simple Python RSA for digital signature with hashing implementation  
<https://gist.github.com/ErbaAitbayev/8f491c04af5fc1874e2b0744965a732b>

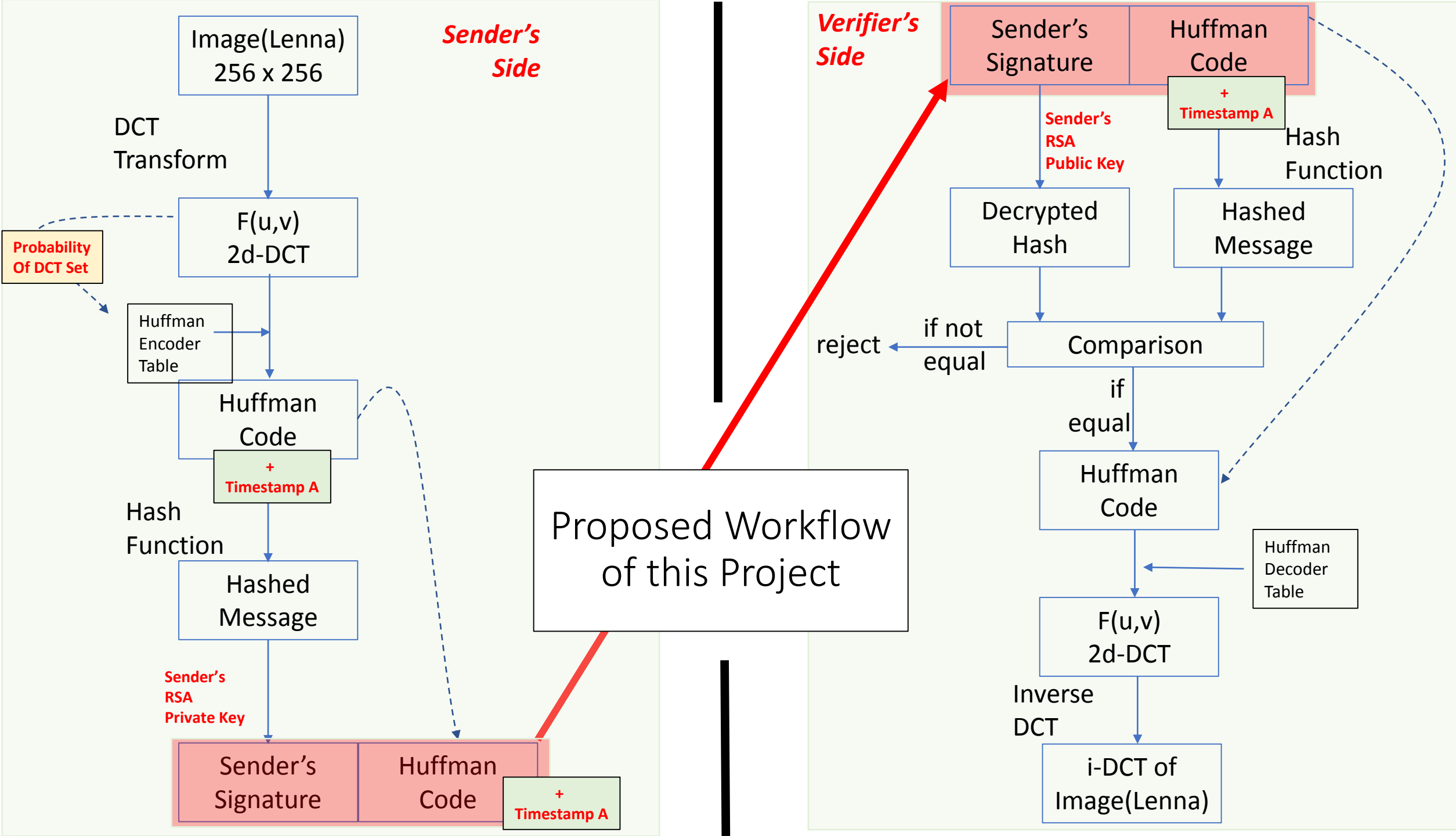
- Lecturers' Notes :

COMP5422 Lecturer's Notes : [Fundamentals of Data Compression] + [Image Compression Part 1] + LAB#3

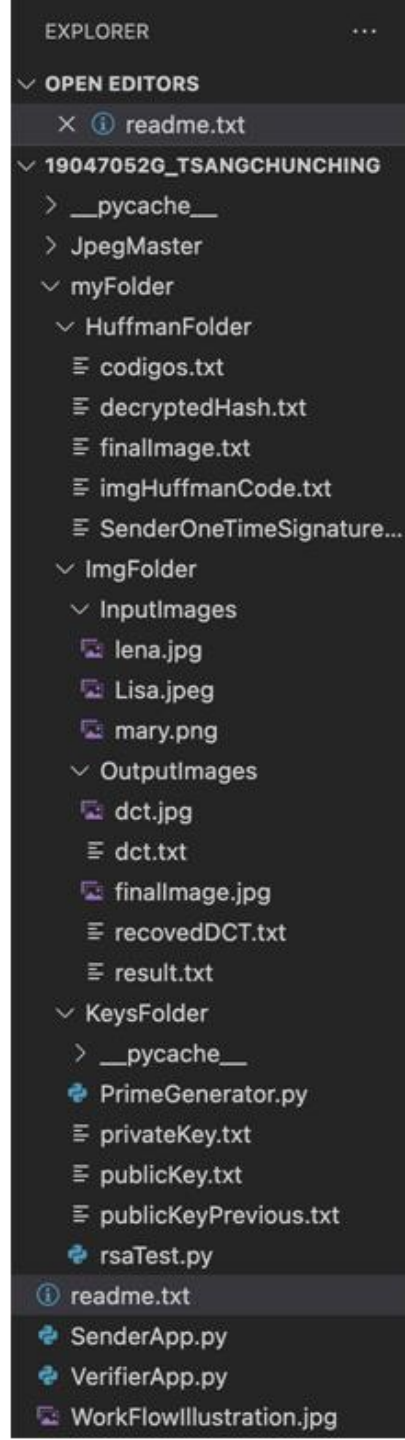
COMP 5521 Lecturer's Notes : [Digital Signatures]

# RSA Private-&-Public Key Pair





# Folder Structure



- Commands :
- # python SenderApp.py
- # python VerifierApp.py