April 13th, 2017

CS428 – Applied Cryptography

Requirements Documentation

Requirements:

Encryption:

The message shall be encrypted such that the only user can decrypt the message

Authorization:

User shall be able to verify the identity of the QR publisher

Output:

System shall generate QR code using encrypted message

System shall decrypt QR code output as text

Input:

System shall read QR Code

System shall take .txt file as input for encrypted message

Input Text > Encrypt & Signature & Integrity > Generate QR > Read QR > Decrypt & Verify > Output Text