**COEN 275 OO Analysis, Design and Programming Spring 2016**

**Points (75 pts + 10 pts EC) Due: 19th May (10 pm)**

In this assignment, you will develop a GUI (using Java Swing API) for the application, ***DocSafe***, in your assignment 1.

The GUI should enable a user to (this is the same functionality you implemented in assign1),

1. Create a DocStore with an Encryptor .
2. Create a Document (with Id,contents)
3. Save a Document
4. Retrieve a Document with and without a key (and display the contents).

**Points to Note:**

1. Try not to change the classes, Document, DocStore and Encryptor except in cases where you are writing the output to console. Those methods should return a String.
2. Any new methods that you want to add should be added to DocSafe class. The code in the main() of this class, of course will change because currently it uses ConsoleIO.
3. You are free to add any additional classes you may need.

**Point distribution:**

1. **Layout of the GUI (an easy to use layout): 20 pts**
2. **Functionality: 50 pts**
3. **Documentation: 5 pts**
4. **Extra credit (Up to 10 pts): For an attractive and usable layout.**

**What to submit:**

1. An executable jar file (along with source code), named **assign3\_*yourInitials***. No Javadocs necessary.
2. A readme document describing the changes you had to make to your code (to classes DOcStore, Document and Encryptor) in assign1 and the reasons.