**CMSC 203 Assignment 3 Design document**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Input text | Input Key  Method1/method2 | Encrypted (method1) | Encrypted (method2) | Decrypt (method1) | Decrypt (method2) |
| ABCA | 2/!# | CDEC | “%$$ | ABCA | ABCA |
| HELLO | 15/@$! | WT[[^ | H)-L3 | HELLO | HELLO |
| TEST | 1/+$ | UFTU | ?)>8 | TEST | TEST |
| fail | 1/@#! | Not in bound | Not in bound | Not in bound | Not in bound |

**Test Table**

**UML Diagram**

|  |
| --- |
| CryptoManager |
| **-** LOWER\_BOUND: final char  - UPPER\_BOUND: final char  - RANGE: final int |
| + stringInBounds(plainText : String) : Boolean  + encryptCaesar (plainText : String, key: int) : String  + encryptBallaso (plainText : String, ballasoStr : String) : String  + decryptCaesar (encryptedText : String, key : int) : String  + decryptBellaso (encryptedText: String, ballasoStr : String) : String |