| UC Reference Name | **Create Message** |
| --- | --- |
| Overview | User can type message name and content, and create message to be stored. |
| Related use cases: |  |
| Actors | User |
| Pre conditions |  |
| Post conditions | Message is stored as Unencrypted Message |

| UC Reference Name | **View Messages** |
| --- | --- |
| Overview | User can select to view messages by either unencrypted or encrypted, and select message to view. |
| Related use cases: | View Unencrypted Messages, View Encrypted Messages |
| Actors | User |
| Pre conditions |  |
| Post conditions |  |

| UC Reference Name | **Modify Custom Encryptor** |
| --- | --- |
| Overview | User can modify custom encryption by adding or removing replacement terms. |
| Related use cases: |  |
| Actors | User |
| Pre conditions |  |
| Post conditions | Custom encryption is stored |

| UC Reference Name | **View Unencrypted Message** |
| --- | --- |
| Overview | User can read an unencrypted message, preview different encryptions, and choose to encrypt. |
| Related use cases: | View Messages, Encrypt Huffman, Encrypt Morse, Encrypt Custom |
| Actors | User |
| Pre conditions | Unencrypted message selected |
| Post conditions |  |

| UC Reference Name | **View Encrypted Message** |
| --- | --- |
| Overview | User can read an encrypted message and choose to decrypt. |
| Related use cases: | Decrypt, View Messages |
| Actors | User |
| Pre conditions | Encrypted message selected |
| Post conditions |  |

| UC Reference Name | **Decrypt** |
| --- | --- |
| Overview | User can decrypt encrypted message. |
| Related use cases: | View Encrypted Message |
| Actors | User |
| Pre conditions | Decrypt button pushed |
| Post conditions | Message is decrypted with encryption used to encrypt, and stored back in unencrypted messages list |

| UC Reference Name | **Encrypt Huffman** |
| --- | --- |
| Overview | User can encrypt the unencrypted message using Huffman encoding. |
| Related use cases: | View Unencrypted Message |
| Actors | User |
| Pre conditions | Huffman radio is selected in View Unencrypted Message |
| Post conditions | Unencrypted message is deleted from list of unencrypted messages and encrypted message is saved in list of encrypted messages. |

| UC Reference Name | **Encrypt Morse** |
| --- | --- |
| Overview | User can encrypt the unencrypted message using Morse encoding. |
| Related use cases: | View Unencrypted Message |
| Actors | User |
| Pre conditions | Morse Code radio is selected in View Unencrypted Message |
| Post conditions | Unencrypted message is deleted from list of unencrypted messages and encrypted message is saved in list of encrypted messages. |

| UC Reference Name | **Encrypt Custom** |
| --- | --- |
| Overview | User can encrypt the unencrypted message using custom encoding. |
| Related use cases: | View Unencrypted Message |
| Actors | User |
| Pre conditions | User has created a custom encryptor, and custom radio is selected in View Unencrypted Message |
| Post conditions | Unencrypted message is deleted from list of unencrypted messages and encrypted message is saved in list of encrypted messages. |