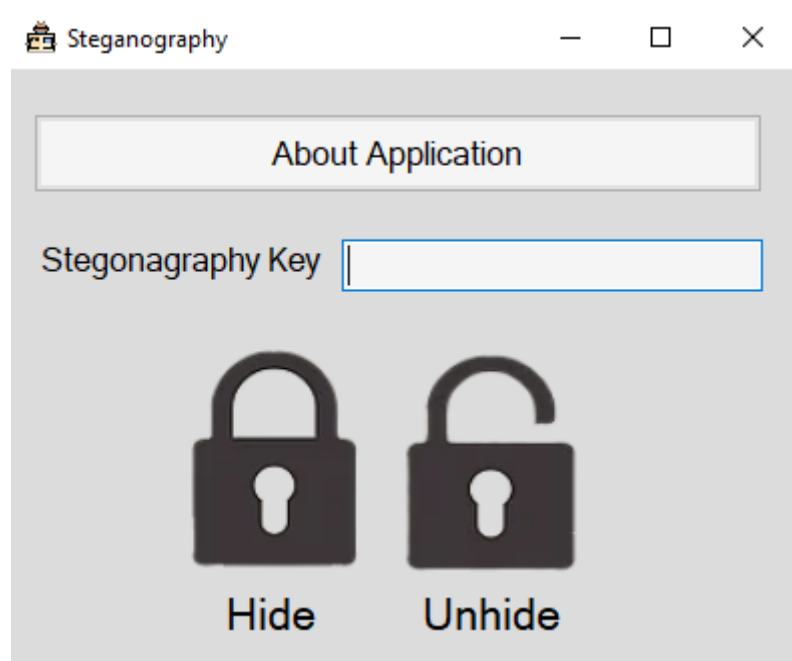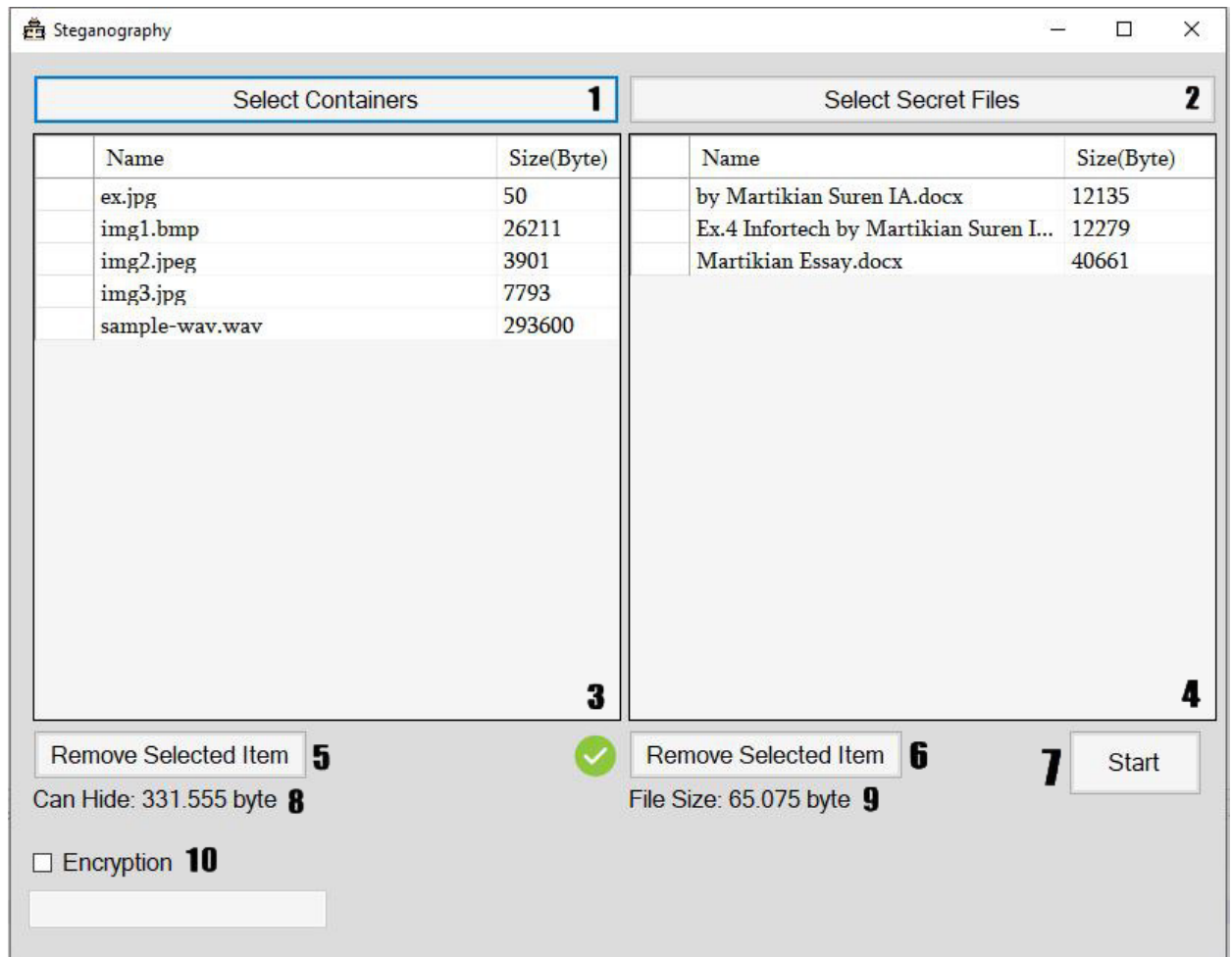**ABOUT APPLICATION**

The application was created by Martikyan Suren in 2023 for the diploma of Kyiv Polytechnic Institute. The program is designed to hide any type of file format including PNG, BMP, JPEG and WAV. Data can be encrypted using AES 128. The program has no file size limit, but steganography takes a long time when working with large files. Encryption improves the privacy of our information, but the cryptographic process is addictive. The initial view of the program is shown in Picture 1, where

1. HIDE button – when pressed, a new window opens in which coding is performed.
2. UNHIDE button – when clicked, a new window opens in which decoding is performed.
3. Stegonagraphy Key - must be written before coding.
4. About application - after clicking, a new window opens, in which it is indicated how to use the program.

Picture 1 Initial view of the program

When you click the "HIDE" or "UNHIDE" buttons, a new window will open as shown in Picture 2

Picture 2 Steganography window

1. Select containers where steganography is performed
2. Select the files we want to hide
3. This table shows all the selected containers that will be used for steganography.
4. This table shows the files that will be hidden in the containers
5. This button removes the selected items from Table 3
6. This button removes the selected items from Table 4
7. When pressed, the steganography process begins
8. Shows how much information (in bytes) can be hidden
9. Shows the size of secret information (in bytes)
10. We can encrypt secret files with an additional password

Picture 3 Container table

Picture 3 shows a table with containers. To select a container, you need to select the first column in the table as shown by the arrow in Figure 3. When you click on the red button, all containers will be selected. The "Remove Selected Item" button removes all selected containers. In the table, the 2nd column shows the name of the container and the 3rd column shows the size that the container can hide.