**User Guide**

1. **Uploading the Files:**  
   Upload the text file and the image file intended for compression to the project’s code directory.
2. **Choosing the Compression Algorithm:**  
   The program will prompt the user to select the desired compression algorithm:
   * To choose **Huffman Coding**, the user should enter **1** and press **Enter**.
   * To choose **Lempel-Ziv**, the user should enter **2** and press **Enter**.
3. **Huffman Coding:**  
   a. If the user selects **Huffman Coding** (by entering **1**), the program will ask the user to input a short text sample to demonstrate how the algorithm compresses the text (this works with any language).  
   The following compression details for the text and image files will be displayed:
   * Average bits per character.
   * Length of the string.
   * File size (in bits) after compression.
   * Time taken to compress the file.
   * File size (in bits) before compression.
4. **Lempel-Ziv Compression:**  
   b. If the user selects **Lempel-Ziv** (by entering **2**), the program will display the following compression details for the text and image files:
   * Length of the string.
   * Length of the array generated by the Lempel-Ziv algorithm.
   * File size (in bits) after compression.
   * Time taken to compress the file.
   * File size (in bits) before compression.