

# Morse Encoder/Decoder

@author

@version Java 19

## Description

This application encodes and decodes text files to and from Morse code. It is built using Java and Swing GUI. The Morse code table is implemented using a Java Map.

## To Run

From console at .jar file directory:

```
java -cp ./morse.jar ie.atu.sw.Runner
```

Then select your txt file that you wish to decode or encode using the BROWSE button and click the corresponding button, DECODE and ENCODE. The result is displayed in the text area.

Additionally, the result is outputted to the corresponding file, “encoded.txt” for the encoded message and “decoded.txt” for the decoded message.

## Features

- Specify the text file to be encoded/decoded using the browse button
- Input path of file (including extension)
- Specify whether you want to encode or decode the file by clicking the desired button

The Morse code table implemented in this application is based on the International Morse code. Some special characters, such as punctuation marks, are not included in this implementation.