

# COMP10062: Morse Code Project

(Mar 2024)

2. You are given a fully completed and fully functional model, i.e. **MorseCode.java** class and its corresponding completed and fully functional **TestProgram.java**. There is nothing for you to do with these two classes, i.e. MorseCode.java and TestProgram.java .... Recommended: just run them but don't change them.

Your task is the build the GUI, **Translate.java** class shown in Fig 1 exactly as shown.

**Translate.java**, accepts a single phrase, and converts that phrase to Morse Code when the **Translate** button is pressed. Fig 3. Shows the output of the toString() from the MorseCode class. There's nothing to do regarding this chart from the TestProgram.java, it's given just as a reference.

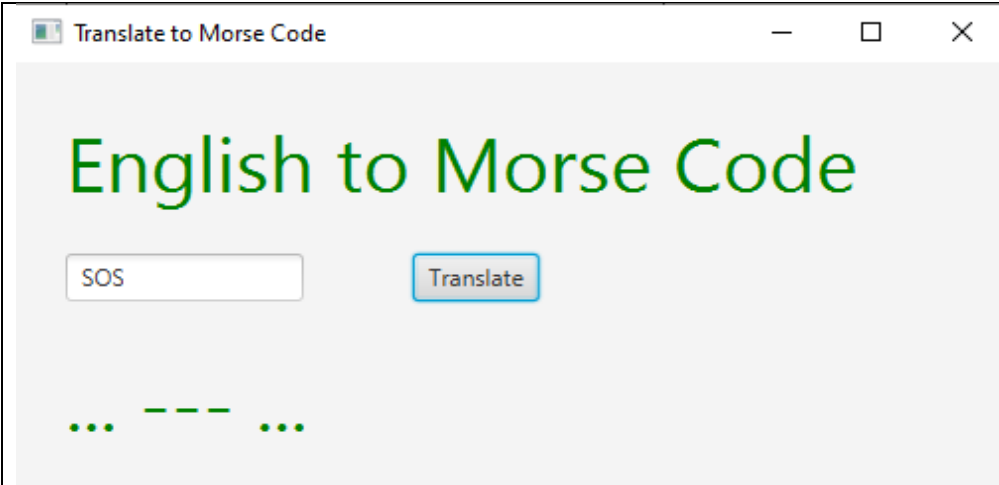


Fig 1. The GUI created by Translate.java

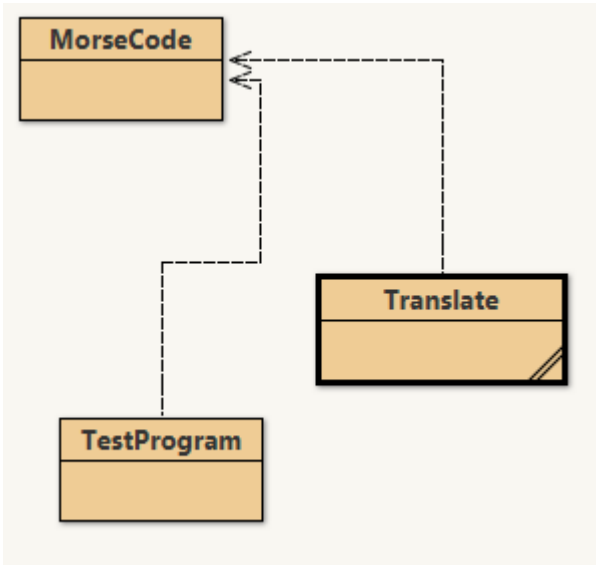


Fig 2. The BlueJ layout.

Morse Code Converter	
Enter a single letter from A-Z > s	
You entered: S	
Morse Code: ...	
Here's the Morse Code table:	
A	.-
B	-...
C	-.-.
D	-...
E	.
F	...-
G	--.
H	....
I	..
J	.---
K	-. -.
L	.-..
M	--
N	-. .
O	---
P	.-.-.
Q	-.-.-
R	.-. .
S	...
T	- .
U	..- .
V	...- .
W	.-.-
X	-. -. .
Y	-. -. -
Z	--..

Fig 3. The output of the toString() from the MorseCode class