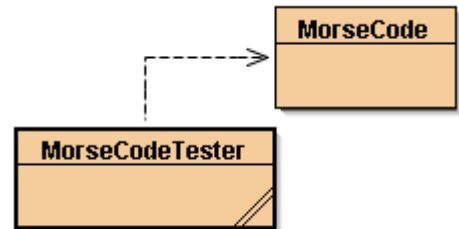


## 14.02 Assignment Instructions

**Instructions:** Write a program to translate a message from English to Morse code.

1. Be sure you have downloaded the 14.02 Morse Code Conversion Sheet to the Mod14 Documents folder.
2. Create a new project called 14.02 Morse Code in the Mod14 Assignments folder.
3. Create two classes in the newly created project: MorseCode and MorseCodeTester.



4. Using a simple text editor like Windows Notepad, create a text file with all of the Morse code combinations for the letters and numbers. The codes for the first five letters of the alphabet are shown here. Notice that each code is on a separate line. You may want to include the letter or number that corresponds to the symbol on the same line, but that is optional.
5. Read the file into a data structure of your choice.
6. Use static methods throughout the program.
7. Prompt the user to enter a message without punctuation. The program should not be case-sensitive.
8. Print the converted message in Morse code format to the screen.

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**Grading:** Your assignment will be graded according to the following rubric.

Grading Rubric	Pts
Comments include name, date, and purpose of program.	1
Program written in two separate classes.	2
Static methods used exclusively.	2
Morse code text file correctly created.	1
Text file read into an appropriate data structure.	2
User prompted to enter a plaintext message.	1
Morse code substituted for the plaintext message characters.	5
Morse code message printed correctly to the screen.	2
Output is correct.	2
No compiler or runtime errors	1
Thoughtful PMR included.	1
<b>Total</b>	<b>20</b>

**Submission:** Submit the Java and text files as Assignment 14.02 for a grade.