**Project 2B: Morse Code**

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CS 303: Data Structures

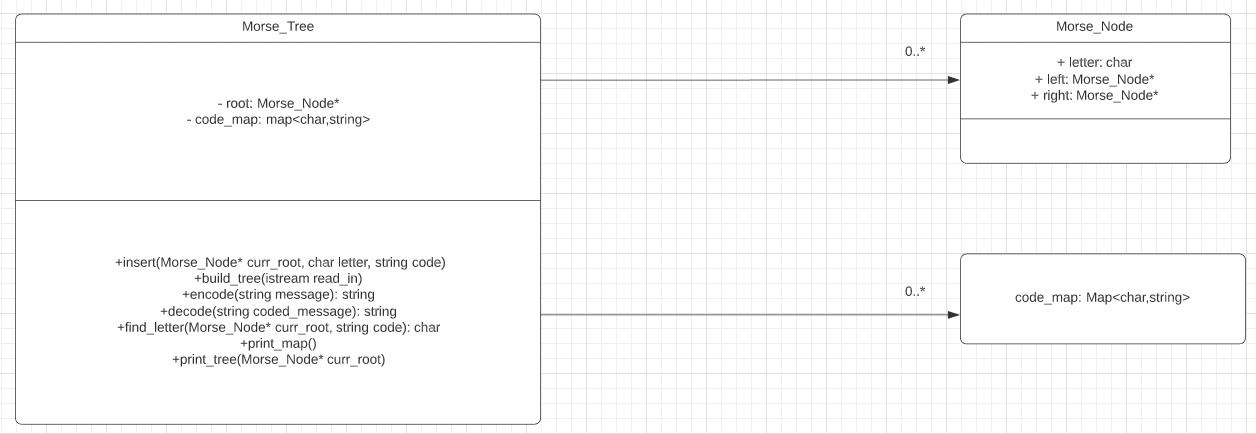
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July 22, 2020

GitHub: <https://github.com/MattMiller1989/Morse-Decoder-Encoder>

Assumptions

* The file provided, “Morse.txt”, was used as the source file for providing the alphanumeric character and its Morse Code equivalence.
* The Morse Code uses the character: ‘\_’ as a dash and the character: ‘.’ As a dot.
* The code uses a space as a delimeter between the characters in the Morse Code.
* When the binary tree is built, the contents from the “Morse.txt” file are read from the file provided and stores the value pair of letter and Morse Code equivalence are stored in a map with the letter being the key and the Morse Code as the value.
* The encode function will take an alphanumeric string and iterate through each character and look up the value of the character in the code\_map and return its Morse Code equivalence.
* The encode function will work with capital letters. However, when the code is decoded, only the lower case value is returned.



References