UML Diagram
Project 5
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MorseCodeTree

- root: TreeNode<String>

+ MorseCodeTree()
+addNode
(root:TreeNode<String>,code:
String, letter: String)
+ buildTree()
+ delete(data: String):
MorseCodeTree
+ fetch(code: String): String
+ fetchNode(root:
TreeNode<String>, code: String):
TreeNode<String>
+ getRoot(): TreeNode<String>
+ insert(code: String, letter: String)
+ LNRoutputTraversal(root:
TreeNode<String>, list:
ArrayList<String>)
+ toArrayList(): ArrayList<String>
+ update(): MorseCodeTree

TreeNode

- data: T
- left: TreeNode<T>
- right: TreeNode<T>

+ TreeNode(dataNode: T)
+ TreeNode(node: TreeNode<T>)

MorseCodeConverter

- morseCodeTree: MorseCodeTree

+ MorseCodeConverter()
+ convertToEnglish(codeFile: File):
String
+ convertToEnglish(code: String):
String
+ printTree(): String

Learning Experience

During the development of this project, I did struggle with all the different method, at some point I did not remember wich one I have aldeready code and which one I did not. But with patient and time I review my code time after time and at the end was able to have them all done.

For this project I have to admit that I slack a little bit thinking that the implementation of tres was going to take me a short amount of time, but it was the opposite. I dedicate about 20 to 25 minutes for the method that build the tree and the ones that translate from morse code to english so I will make sure to not be so confident that could mess with my grade and submission of my code.