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CMSC 204

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UML Diagram for LinkedConverterTreeInterface<T>

LinkedConverterTreeInterface<T>
+ addNode(root:TreeNode<T>, code:T, letter:T) + buildTree + delete(data:T): LinkedConverterTreeInterface<T> + fetch(code:String): T + fetchNode(root:TreeNode<T>, code:T): T + getRoot(): TreeNode<T> + inset(code:T, result:T): LinkedConverterTreeInterface<T> + LNRoutputTraversal(root:TreeNode<T>, list:ArrayList<T>) + setRoot(newNode:TreeNode<T>) + toArrayList(): ArrayList<T> + update(): LinkedConverterTreeInterface<T>

UML Diagram for MorseCodeConverter

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

UML Diagram for TreeNode<T>

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

UML Diagram for MorseCodeTree

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