UNIVERSITY of York

DEPARTMENT OF ELECTRONICS

DATA STRUCTURES AND ALGORITHMS ASSESSMENT

Predictive Text

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1   How the program works

1.1   How users interact with the program

1.2   How the prediction function works

2   Data Structures

2.1   Trie

2.1.1   What is a trie and why I've used it

2.1.2   How I have implimented the trie

2.2   Alternitive Data structures

2.2.1   Binary Tree

2.2.2   Hash map

2.2.3   List

3   Testing

3.1   Complixity

3.2   Unit Testing

3.3   User interactions