7402 Asn1 Design

“A simple spell but quite breakable”

Isaac Morneau; A00958405

FSM **3**

Pseudocode **4**

Start 4

Load Files 4

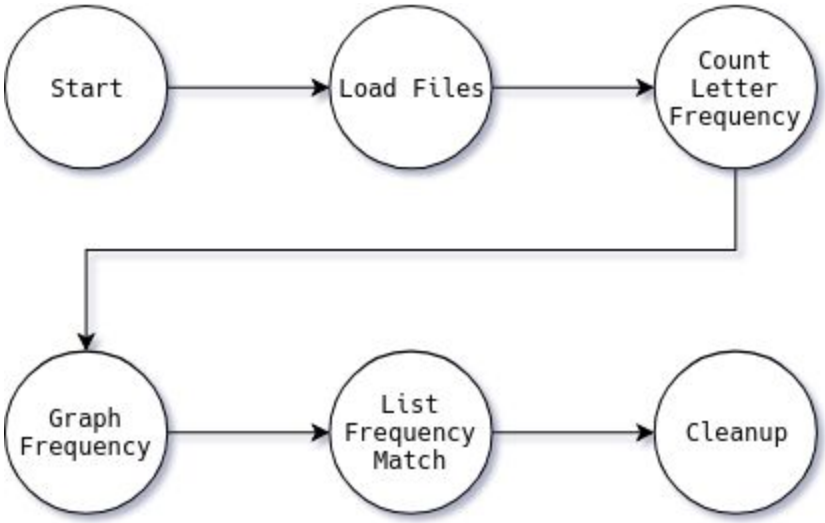
Count Letter Frequency 4

Graph Frequency 4

List Frequency Match 4

Cleanup 4

FSM


Start
Load Files
Count Letter Frequency
Graph Frequency
List Frequency Match
Cleanup

Pseudocode

Start

Create buffers for the alphabets
Goto Load Files

Load Files

Open the specified files
Goto Count Letter Frequency

Count Letter Frequency

Go through each file loaded and add the counts to the alphabets for each
Goto Graph Frequency

Graph Frequency

Hand the counts to the graphing library to show the relative frequencies
Goto List Frequency Match

List Frequency Match

Find the closest match of the frequency per letter
Print the letter match of the second file based on the first
Goto Cleanup

Cleanup

Cleanup all buffers
exit