MILES word pattern decoder by Thomas Kestler – Readme

This program reads two input files, one which detects the codes, and the other which defines bit patterns for known codes.

The program itself takes data from a CSV file, implements a queue using generics, and outputs a CSV file.

A MILES word has 6 values.

- If a MILES word is found, remove the 6 values so they cannot be used to decode other words
- Words don't overlap.

The decoder permits one noise value at most in a sequence. The noise is discarded after decoding the word, unless it is at the end after the found word.

The Queue is used as an input parameter for the decoder and return value. The program uses the returned queue to make the output file.

This program has multiple files.

The driver application reads the input and writes the output.

The Decoder uses methods to decode the queues. It accepts a queue of values to process, and a list of timing values to associate with the codes. It returns a list of found codes.

Command line arguments: names of both input files with file extension.

I made this program for my CS310 data structures class at San Diego State University.