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asn9 OOD2 (git username: mattkinloch)

Final Classes: Document, InvertedIndex, CLI

Class Document

attributes:

completePath - String of full path of the name of the file the document reads from

filename - String of name of the file the document reads from

asRead - String original text of the document

services:

initialize - create a document

readFile - read the file as is

iterator - creates an iterator that can iterate through the file in readable form using a delimiter

printText - prints the document as read to the user

toString - returns fileName

Class InvertedIndex

attributes:

index - HashSet of Strings and HashSet of Documents

docs - HashSet of documents

stoplist - HashSet of stop words

services:

initialize - create an inverted index

readStopFile - fill the stoplist using the stopfile name

buildIndex - builds the index

multiWordQuery - processes queries from the user (either single or multi word) and returns a HashSet of documents that contain both words

dumpIndex - prints the entire index out to the user

Class CLI

attributes:

none

services:

main - pass all of the arguments and queries from the user to the index