Classes

Search Engine
        The class that contains and searches for documents
Document
        The class that is a document, containing the name of the document and its contents

Attributes

Class Search Engine
- An index of documents
- A list of stop words

Class Document
- The name of the document
- The contents of the document

Services

Search Engine
- addDoc
  Adds a document to the index
- search
  Finds a document in the index and returns it
- removeStopWord
  Checks if an input contains any stopwords and returns the stripped input

Document
- print
  Prints out the document and its contents

Submit Query

Terminate
Program

Name: Submit query
Actor: User
Purpose: Find a document in the hashtable
Main Success Scenario: Document is found
Alternate Scenario: Document is not found

Name: Terminate Program
Actor: User
Purpose: Stops the program
Main Success Scenario: Program stops
Alternate Scenario: Program does not stop

User

SearchEngine

+ documents (index)
+ stoplist

+ search()
+ addDoc()
+ removeStopWord()

Document

+ name
+ contents

+ print()