Initial Use Cases

Name: Create Inverted Index
Actors: User, CLI
Purpose: to create a searchable database of words and the files they appear in
Main Success Scenario: each of the words in the input documents is matched with all of the documents It appears in and is stored in a HashSet
Alternate scenario: There are no documents input, therefore the set is empty
Alternate scenario: The input documents don't exist

Name: Run a Query
Actors: User, InvertedIndex
Purpose: to look through the database and return the names of the documents that the query words appear in
Main Success Scenario: after looking through the set, the program returns the names of the documents that all of the words in the query appear in
Alternate scenario: the query appears in none of the documents
Alternate scenario: the user includes a command to print the contents of each document that the query appears in, and the program does so