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Test Plan for Search Assignment 4

Testcase 1:

Inputting into the indexer:

1.txt : John had two goats
2.txt : John had 2 goats
3.txt : John and John had TWO GoAts

Output: output.txt

```
<list> 2
2.txt 1
</list>
<list> and
3.txt 1
</list>
<list> goats
1.txt 1 2.txt 1 3.txt 1
<list> had
1.txt 1 2.txt 1 3.txt 1
</list>
<list> john
3.txt 2 1.txt 1 2.txt 1
</list>
<list> two
1.txt 1 3.txt 1
</list>
```

Inputting into the search: output.txt

Output :

```
sa John -> 1.txt    2.txt    3.txt
so john -> 1.txt    2.txt    3.txt
sa john two -> 1.txt 3.txt
so john two -> 1.txt 2.txt    3.txt
sa Hello -> Empty
so Hello -> Empty
sa 2 -> 2.txt
so 2 -> 2.txt
```

Test Case 2 :

Inputting into the indexer:

directory

1.txt : John had two goats

2.txt : John had 2 goats

directory/directory

3.txt : John and John had TWO GoAts

Output: output.txt

<list> 2

directory/2.txt 1

</list>

<list> and

directory/directory/3.txt 1

</list>

<list> goats

directory/directory/1.txt 1 directory/2.txt 1 directory/3.txt 1

<list> had

directory/directory/1.txt 1 directory/2.txt 1 directory/3.txt 1

</list>

<list> john

directory/directory/3.txt 2 directory/1.txt 1 directory/2.txt 1

</list>

<list> two

directory/1.txt 1 directory/3.txt 1

</list>

Inputting into the search: output.txt

Output :

sa John -> 1.txt 2.txt 3.txt

so john -> 1.txt 2.txt 3.txt

sa john two -> 1.txt 3.txt

so john two -> 1.txt 2.txt 3.txt

sa Hello -> Empty

so Hello -> Empty

sa 2 -> 2.txt

sa john and -> 3.txt

so john and -> 1. txt 2.txt 3.txt

so HaD -> 1.txt 2.txt 3.txt

Test case 3:

Inputting into the indexer:

test.txt: Hello hOW Are You

test1.txt: Hello World

test2.txt: C is Fun

test4.txt: Java

Output: output.txt

<list> are

test.txt 1

</list>

<list> c

test2.txt 1

</list>

<list> fun

test2.txt

<list> hello

test.txt 1 test1.txt 1

</list>

<list> how

test.txt 1

</list>

<list> is

test2.txt 1

</list>

<list> java

test4.txt 1

</list>

<list> world

test2.txt 1

</list>

<list> you

test.txt 1

</list>

Inputting into the search: output.txt

Output :

sa Hello world java : test.txt

so hello world java: test.txt test1.txt test4.txt

sa hello man: Empty

so hello man: test.txt test1.txt