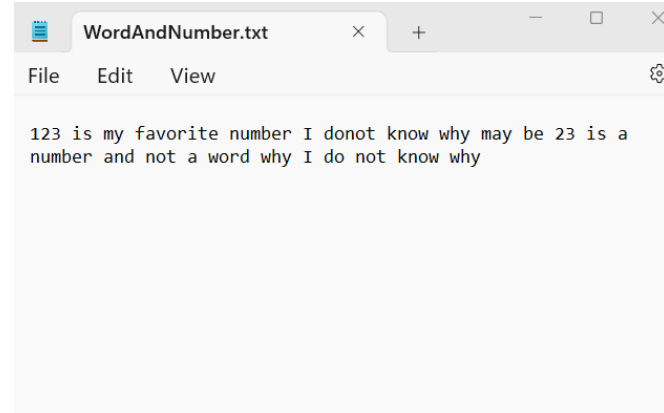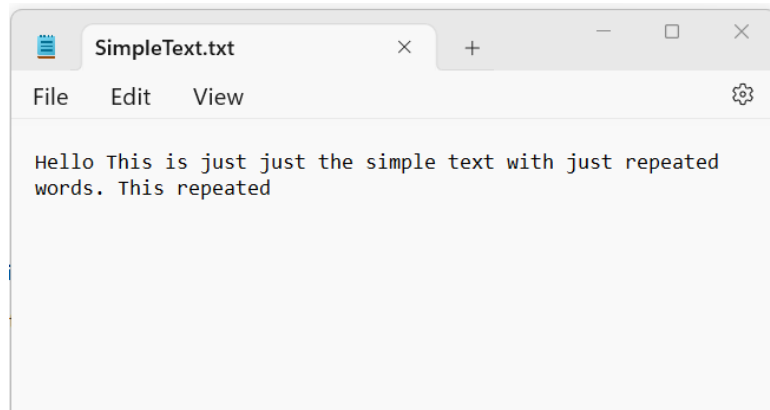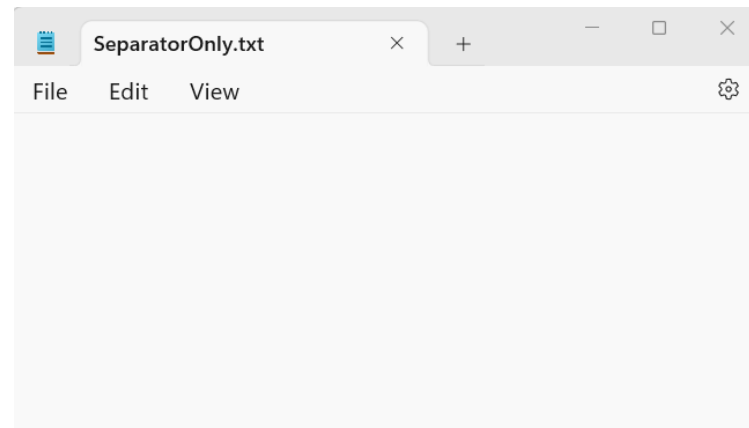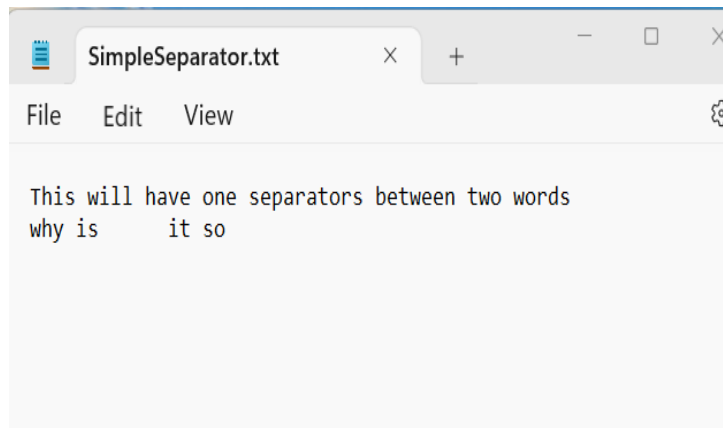CS5103, Software Engineering

Prepared by: Samita Shrestha(qkp232)

Test Report:

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Test	Content	ourResult	correctResult	Status
EmptyFile.txt	null	{}	{}	PASSED
SeparatorOnly.txt	Just the space, newline and tab	{}	{}	PASSED
SimpleText.txt	SimpleText with simple space only	{the=1, with=1, Hello=1, words.=1, This=2, is=1, simple=1, text=1, just=3, repeated=2}	{ Hello=1, This=2,is=1, just=3, the=1, simple=1, text=1, with=1,repeated=2, words.=1}	PASSED
CombinationSeparator.txt	Combination of space,tabs and newlines	{Shrestha=1, in=1, and=1, born=1, Nepal.=1, happy=1, raised=1, I=2, Samita=1, am=2, so=1}	{Shrestha=1, in=1, and=1, born=1, Nepal.=1, happy=1, raised=1, I=2, Samita=1, am=2, so=1}	PASSED
WordAndNumber.txt	Words and Number	{23=1, a=2, be=1, may=1, I=2, why=3, is=2, do=1, my=1, number=2, 123=1, not=2, and=1, know=2, favorite=1, donot=1, word=1}	{23=1, a=2, be=1, may=1, I=2, why=3, is=2, do=1, my=1, number=2, 123=1, not=2, and=1, know=2, favorite=1, donot=1, word=1}	PASSED
SimpleSeparator	Simple words with one separtor between each string	{will=1, one=1, have=1, words=1, This=1, why=1, is=1, it=1, so=1, separators=1, two=1, between=1}	{This=1 ,will=1, have=1, one=1,separators=1, between=1, two=1,words=1, why=1, is=1, it=1, so=1}	PASSED

SimpleSeparator.txt

File   Edit   View

This will have one separators between two words
why is   it so

SeparatorOnly.txt

File   Edit   View

SimpleText.txt

File   Edit   View

Hello This is just just the simple text with just repeated
words. This repeated

WordAndNumber.txt

File   Edit   View

123 is my favorite number I donot know why may be 23 is a
number and not a word why I do not know why

EmptyFile.txt

File   Edit   View

CombinationSeparator.txt

File   Edit   View

I   am Samita   Shrestha

born

and raised in   Nepal. I am   so

happy

Test Results:

==========

Finished after 0.104 seconds

Runs: 6/6	Errors: 0	Failures: 0

phase1.WordCounterTest [Runner: JUnit 4] (0.073 s)
- testForEmptyFile (0.046 s)
- testForWordAndNumber (0.008 s)
- testForSimpleSeparator (0.004 s)
- testForCombinationSeparator (0.005 s)
- testForSimpleText (0.006 s)
- testForSeparatorsOnly (0.004 s)

Testing in Command prompt:

========================

```
INFO] ----------------------------------------------------
INFO]  T E S T S
INFO] ----------------------------------------------------
INFO] Running phase1.WordCounterTest
INFO] Tests run: 6, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.102 s - in phase1.WordCounterTest
INFO]
INFO] Results:
INFO]
INFO] Tests run: 6, Failures: 0, Errors: 0, Skipped: 0
INFO]
INFO] ------------------------------------------------------------------------
INFO] BUILD SUCCESS
INFO] ------------------------------------------------------------------------
INFO] Total time:  3.375 s
INFO] Finished at: 2023-03-10T22:16:49-06:00
INFO] ------------------------------------------------------------------------

:\Users\samit\softwareEngg\WordCounter>
```

Sample Output (Running on Command Prompt)


```
ounter\0.0.1-SNAPSHOT\WordCounter-0.0.1-SNAPSHOT.pom
[INFO] Installing C:\Users\samit\softwareEngg\WordCounter\target\WordCounter-0.0.1-SNAPSHOT.jar to C:\Users\samit\.m2\re
pository\softwareproject\WordCounter\0.0.1-SNAPSHOT\WordCounter-0.0.1-SNAPSHOT.jar
[INFO] ------------------------------------------------------------------------
[INFO] BUILD SUCCESS
[INFO] ------------------------------------------------------------------------
[INFO] Total time:  3.040 s
[INFO] Finished at: 2023-03-10T22:19:00-06:00
[INFO] ------------------------------------------------------------------------

C:\Users\samit\softwareEngg\WordCounter>java -cp target\WordCounter-0.0.1-SNAPSHOT.jar phase1.WordCounter C:\Users\samit
\softwareEngg\WordCounter\WordAndNumber.txt
The word counts are:

{23=1, a=2, be=1, may=1, I=2, why=3, is=2, do=1, my=1, number=2, 123=1, not=2, and=1, know=2, favorite=1, donot=1, word=
1}

C:\Users\samit\softwareEngg\WordCounter>java -cp target\WordCounter-0.0.1-SNAPSHOT.jar phase1.WordCounter C:\Users\samit
\softwareEngg\WordCounter\SeparatorOnly.txt
The word counts are:

{}

C:\Users\samit\softwareEngg\WordCounter>java -cp target\WordCounter-0.0.1-SNAPSHOT.jar phase1.WordCounter C:\Users\samit
\softwareEngg\WordCounter\CombinationSeparator.txt
The word counts are:

{Shrestha=1, in=1, and=1, born=1, Nepal.=1, happy=1, raised=1, I=2, Samita=1, am=2, so=1}

C:\Users\samit\softwareEngg\WordCounter>
```

Bug Detection:

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For Bug Detection, PMD plugin from Eclipse Marketplace was used.

Violations Outline ✕

Priority	Line	created	Rule	Error Message
▷	29	Fri M...	Sy...	SystemPrintl...
▷	30	Fri M...	Sy...	SystemPrintl...
▷	25	Fri M...	Sy...	SystemPrintl...
▶	23	Fri M...	Da...	DataflowAn...

Violations Overview ✕

Element	# Violatio...	# Violatio...	# Violatio...	Project
> ⊞ phase1	4	N/A	N/A	WordCou...