Checkstyle Results

The following document contains the results of Checkstyle (https://checkstyle.org/) 9.3 with sun_checks.xml ruleset.

Summary

Files	💡 Info	🌤️ Warnings	🌩️ Errors
6	0	0	62

Files

File	💡 I	🌤️ W	🌩️ E
search/Main.java	0	0	4
search/SearchEngineInterface/AllSearchStrategy.java	0	0	9
search/SearchEngineInterface/AnySearchStrategy.java	0	0	6
search/SearchEngineInterface/NoneSearchStrategy.java	0	0	5
search/SearchEngineInterface/SimpleSearchEngine.java	0	0	3
search/SimpleSearchEngine/Search.java	0	0	35

Rules

Category	Rule	Violations	Severity
coding	HiddenField (https://checkstyle.org/checks/coding/hiddenfield.html)	1	🌩️ Error
design	DesignForExtension (https://checkstyle.org/checks/design/designforextension.html)	9	🌩️ Error
	HideUtilityClassConstructor (https://checkstyle.org/checks/design/hideutilityclassconstructor.html)	1	🌩️ Error
imports	AvoidStarImport (https://checkstyle.org/checks/imports/avoidstarimport.html)	2	🌩️ Error
	UnusedImports (https://checkstyle.org/checks/imports/unusedimports.html) • processJavadoc: `"false"`	1	🌩️ Error
javadoc	JavadocPackage (https://checkstyle.org/checks/javadoc/javadocpackage.html)	3	🌩️ Error

	JavadocVariable (https://checkstyle.org/checks/javadoc/javadocvariable.html)	1	⚡ Error
	MissingJavadocMethod (https://checkstyle.org/checks/javadoc/missingjavadocmethod.html)	8	⚡ Error
misc	FinalParameters (https://checkstyle.org/checks/misc/finalparameters.html)	15	⚡ Error
modifier	RedundantModifier (https://checkstyle.org/checks/modifier/redundantmodifier.html)	1	⚡ Error
sizes	LineLength (https://checkstyle.org/checks/sizes/linelength.html)	20	⚡ Error

- fileExtensions: `"java"`

Details

search/Main.java

Severity	Category	Rule	Message	Line
⚡ Error	javadoc	JavadocPackage	Missing package-info.java file.	1
⚡ Error	design	HideUtilityClassConstructor	Utility classes should not have a public or default constructor.	7
⚡ Error	javadoc	MissingJavadocMethod	Missing a Javadoc comment.	8
⚡ Error	misc	FinalParameters	Parameter args should be final.	8

search/SearchEngineInterface/AllSearchStrategy.java

Severity	Category	Rule	Message	Line
⚡ Error	javadoc	JavadocPackage	Missing package-info.java file.	1
⚡ Error	imports	UnusedImports	Unused import - java.util.Arrays.	6
⚡ Error	design	DesignForExtension	Class 'AllSearchStrategy' looks like designed for extension (can be subclassed), but the method 'search' does not have javadoc that explains how to do that safely. If class is not designed for extension consider making the class 'AllSearchStrategy' final or making the method 'search' static/final/abstract/empty, or adding allowed annotation for the method.	10
⚡ Error	sizes	LineLength	Line is longer than 80 characters (found 94).	11
⚡ Error	misc	FinalParameters	Parameter queryWords should be final.	11
⚡ Error	misc	FinalParameters	Parameter invertedIndex should be final.	11

Severity				
⚡ Error	sizes	LineLength	Line is longer than 80 characters (found 82).	12
⚡ Error	sizes	LineLength	Line is longer than 80 characters (found 111).	13
⚡ Error	sizes	LineLength	Line is longer than 80 characters (found 96).	17

search/SearchEngineInterface/AnySearchStrategy.java

Severity	Category	Rule	Message	Line
⚡ Error	design	DesignForExtension	Class 'AnySearchStrategy' looks like designed for extension (can be subclassed), but the method 'search' does not have javadoc that explains how to do that safely. If class is not designed for extension consider making the class 'AnySearchStrategy' final or making the method 'search' static/final/abstract/empty, or adding allowed annotation for the method.	9
⚡ Error	sizes	LineLength	Line is longer than 80 characters (found 94).	10
⚡ Error	misc	FinalParameters	Parameter queryWords should be final.	10
⚡ Error	misc	FinalParameters	Parameter invertedIndex should be final.	10
⚡ Error	sizes	LineLength	Line is longer than 80 characters (found 84).	13
⚡ Error	sizes	LineLength	Line is longer than 80 characters (found 84).	14

search/SearchEngineInterface/NoneSearchStrategy.java

Severity	Category	Rule	Message	Line
⚡ Error	design	DesignForExtension	Class 'NoneSearchStrategy' looks like designed for extension (can be subclassed), but the method 'search' does not have javadoc that explains how to do that safely. If class is not designed for extension consider making the class 'NoneSearchStrategy' final or making the method 'search' static/final/abstract/empty, or adding allowed annotation for the method.	9
⚡ Error	sizes	LineLength	Line is longer than 80 characters (found 94).	10
⚡ Error	misc	FinalParameters	Parameter queryWords should be final.	10
⚡ Error	misc	FinalParameters	Parameter invertedIndex should be final.	10
⚡ Error	sizes	LineLength	Line is longer than 80 characters (found 87).	17

search/SearchEngineInterface/SimpleSearchEngine.java

Severity	Category	Rule	Message	Line

Error	sizes	LineLength	Line is longer than 80 characters (found 93).	7
Error	javadoc	MissingJavadocMethod	Missing a Javadoc comment.	7
Error	modifier	RedundantModifier	Redundant 'public' modifier.	7

search/SimpleSearchEngine/Search.java

Severity	Category	Rule	Message	Line
Error	javadoc	JavadocPackage	Missing package-info.java file.	1
Error	imports	AvoidStarImport	Using the '.*' form of import should be avoided - java.io.*.	8
Error	imports	AvoidStarImport	Using the '.*' form of import should be avoided - java.util.*.	10
Error	javadoc	JavadocVariable	Missing a Javadoc comment.	14
Error	design	DesignForExtension	Class 'Search' looks like designed for extension (can be subclassed), but the method 'setSearchStrategy' does not have javadoc that explains how to do that safely. If class is not designed for extension consider making the class 'Search' final or making the method 'setSearchStrategy' static/final/abstract/empty, or adding allowed annotation for the method.	17
Error	javadoc	MissingJavadocMethod	Missing a Javadoc comment.	17
Error	misc	FinalParameters	Parameter searchStrategy should be final.	17
Error	coding	HiddenField	'searchStrategy' hides a field.	17
Error	design	DesignForExtension	Class 'Search' looks like designed for extension (can be subclassed), but the method 'getInput' does not have javadoc that explains how to do that safely. If class is not designed for extension consider making the class 'Search' final or making the method 'getInput' static/final/abstract/empty, or adding allowed annotation for the method.	21
Error	javadoc	MissingJavadocMethod	Missing a Javadoc comment.	21
Error	misc	FinalParameters	Parameter file should be final.	21
Error	sizes	LineLength	Line is longer than 80 characters (found 83).	33
Error	sizes	LineLength	Line is longer than 80 characters (found 87).	47
Error	sizes	LineLength	Line is longer than 80 characters (found 87).	63
Error	sizes	LineLength	Line is longer than 80 characters (found 97).	68
Error	sizes	LineLength	Line is longer than 80 characters (found 106).	72

⚡ Error	design	DesignForExtension	Class 'Search' looks like designed for extension (can be subclassed), but the method 'readFile' does not have javadoc that explains how to do that safely. If class is not designed for extension consider making the class 'Search' final or making the method 'readFile' static/final/abstract/empty, or adding allowed annotation for the method.	93
⚡ Error	javadoc	MissingJavadocMethod	Missing a Javadoc comment.	93
⚡ Error	misc	FinalParameters	Parameter file should be final.	93
⚡ Error	sizes	LineLength	Line is longer than 80 characters (found 132).	103
⚡ Error	sizes	LineLength	Line is longer than 80 characters (found 89).	119
⚡ Error	design	DesignForExtension	Class 'Search' looks like designed for extension (can be subclassed), but the method 'buildInvertedIndex' does not have javadoc that explains how to do that safely. If class is not designed for extension consider making the class 'Search' final or making the method 'buildInvertedIndex' static/final/abstract/empty, or adding allowed annotation for the method.	119
⚡ Error	javadoc	MissingJavadocMethod	Missing a Javadoc comment.	119
⚡ Error	misc	FinalParameters	Parameter nameWithMail should be final.	119
⚡ Error	sizes	LineLength	Line is longer than 80 characters (found 117).	124
⚡ Error	sizes	LineLength	Line is longer than 80 characters (found 135).	136
⚡ Error	design	DesignForExtension	Class 'Search' looks like designed for extension (can be subclassed), but the method 'searchFoundPeople' does not have javadoc that explains how to do that safely. If class is not designed for extension consider making the class 'Search' final or making the method 'searchFoundPeople' static/final/abstract/empty, or adding allowed annotation for the method.	136
⚡ Error	javadoc	MissingJavadocMethod	Missing a Javadoc comment.	136
⚡ Error	misc	FinalParameters	Parameter query should be final.	136
⚡ Error	misc	FinalParameters	Parameter invertedIndex should be final.	136
⚡ Error	misc	FinalParameters	Parameter nameWithMail should be final.	136
⚡ Error	sizes	LineLength	Line is longer than 80 characters (found 86).	140

🌩 Error	design	DesignForExtension	Class 'Search' looks like designed for extension (can be subclassed), but the method 'displayFoundPeople' does not have javadoc that explains how to do that safely. If class is not designed for extension consider making the class 'Search' final or making the method 'displayFoundPeople' static/final/abstract/empty, or adding allowed annotation for the method.	150
🌩 Error	javadoc	MissingJavadocMethod	Missing a Javadoc comment.	150
🌩 Error	misc	FinalParameters	Parameter foundPeople should be final.	150

Built by:
maven

(https://maven.apache.org/)