

Report Banner - Edit rsm.cfg File

Resource Standard Metrics™ for C, C++, C# and Java

Version 7.75 - mSquaredTechnologies.com

License Type: Shareware Evaluation License
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License No. : SW1380 License Date: Dec 05, 1998
Build Date : Sep 2 2009 Run Date: Apr 22, 2024
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License File: C:\Program Files (x86)\MSquared\M2 RSM\rsm.lic
Config. File: C:\Program Files (x86)\MSquared\M2 RSM\rsm.cfg
Command Line: -H -OC:\Users\DELL\M2 RSM Wizard\output\complexity_metrics_report_for_databasemanager_java_code.htm -c -fd -FC:\Users\DELL\M2 RSM Wizard\input\rsm_file_list_for_databasemanager_java_code.lst

~~ Function Metrics ~~
~~ Complexity Detail Analysis ~~

File: [C:\Program Files \(x86\)\MSquared\M2 RSM Wizard\example_code\DatabaseManager\DatabaseManager.java](C:\Program Files (x86)\MSquared\M2 RSM Wizard\example_code\DatabaseManager\DatabaseManager.java)

Function: DatabaseManager.main

Parameters: (String[] args)

Cyclomatic Complexity Vg Detail

Function Base : 1

Loops while / do : 1

Selection case : 11

Complexity	Param 1	Return 1	Cyclo Vg 13	Total	15
LOC 58	eLOC 56	lLOC 41	Comment 0	Lines	58

Function: DatabaseManager.getConnection

Parameters: ()

Complexity	Param 0	Return 1	Cyclo Vg 1	Total	2
LOC 3	eLOC 2	lLOC 1	Comment 0	Lines	3

Function: DatabaseManager.addUser

Parameters: (Scanner scanner)

Complexity	Param 1	Return 1	Cyclo Vg 1	Total	3
LOC 14	eLOC 14	lLOC 12	Comment 1	Lines	14

Function: DatabaseManager.updateUser

Parameters: (Scanner scanner)

Complexity	Param 1	Return 1	Cyclo Vg 1	Total	3
LOC 14	eLOC 14	lLOC 12	Comment 1	Lines	14

Function: DatabaseManager.deleteUser

Parameters: (Scanner scanner)

Complexity	Param 1	Return 1	Cyclo Vg 1	Total	3
LOC 10	eLOC 10	lLOC 8	Comment 0	Lines	10

Function: DatabaseManager.viewUsers

Parameters: ()

Cyclomatic Complexity Vg Detail

Function Base : 1

Loops while / do : 1

Complexity	Param 0	Return 1	Cyclo Vg 2	Total	3
LOC 11	eLOC 10	lLOC 8	Comment 0	Lines	11

Function: DatabaseManager.addRole

Parameters: (Scanner scanner)

Complexity	Param 1	Return 1	Cyclo Vg 1	Total	3
LOC 11	eLOC 11	lLOC 9	Comment 1	Lines	11

Function: DatabaseManager.assignRole

Parameters: (Scanner scanner)

Complexity	Param 1	Return 1	Cyclo Vg 1	Total	3
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LOC 13	eLOC 13	lLOC 11	Comment 0	Lines	13
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Function: DatabaseManager.removeRole
Parameters: (Scanner scanner)
Complexity Param 1 Return 1 Cyclo Vg 1 Total 3
LOC 13 eLOC 13 lLOC 11 Comment 0 Lines 13

Function: DatabaseManager.listRoles
Parameters: ()
Cyclomatic Complexity Vg Detail
Function Base : 1
Loops while / do : 1
Complexity Param 0 Return 1 Cyclo Vg 2 Total 3
LOC 10 eLOC 9 lLOC 7 Comment 0 Lines 10

Function: DatabaseManager.searchUserByName
Parameters: (Scanner scanner)
Cyclomatic Complexity Vg Detail
Function Base : 1
Loops while / do : 1
Complexity Param 1 Return 1 Cyclo Vg 2 Total 4
LOC 15 eLOC 13 lLOC 10 Comment 1 Lines 15

Function: DatabaseManager.searchUserByEmail
Parameters: (Scanner scanner)
Cyclomatic Complexity Vg Detail
Function Base : 1
Loops while / do : 1
Complexity Param 1 Return 1 Cyclo Vg 2 Total 4
LOC 15 eLOC 13 lLOC 10 Comment 1 Lines 15

Function: DatabaseManager.executeUpdate
Parameters: (PreparedStatement pstmt, String successMessage)
Cyclomatic Complexity Vg Detail
Function Base : 1
Conditional if / else if: 1
Complexity Param 2 Return 1 Cyclo Vg 2 Total 5
LOC 9 eLOC 7 lLOC 4 Comment 0 Lines 9

~~ Total File Summary ~~
LOC 239 eLOC 207 lLOC 163 Comment 5 Lines 253

~~ File Functional Summary ~~

File Function Count....:	13		
Total Function LOC.....:	196	Total Function Pts LOC :	4.5
Total Function eLOC.....:	185	Total Function Pts eLOC:	3.9
Total Function lLOC.....:	144	Total Function Pts lLOC:	3.1
Total Function Params ..:	11	Total Function Return ..:	13
Total Cyclo Complexity :	30	Total Function Complex.:	54
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Max Function LOC	58	Average Function LOC ..:	15.08
Max Function eLOC	56	Average Function eLOC ..:	14.23
Max Function lLOC	41	Average Function lLOC ..:	11.08
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Max Function Parameters:	2	Avg Function Parameters:	0.85
Max Function Returns ..:	1	Avg Function Returns ..:	1.00
Max Interface Complex. :	3	Avg Interface Complex. :	1.85
Max Cyclomatic Complex.:	13	Avg Cyclomatic Complex.:	2.31
Max Total Complexity ..:	15	Avg Total Complexity ..:	4.15

End of File: [C:\Program Files \(x86\)\MSquared\M2_RSM Wizard\example code\DatabaseManager\DatabaseManager.java](#)

~~ Total Metrics For 1 Files ~~

~~ Project Directory Summary ~~

Files 1 - C:\Program Files (x86)\MSquared\M2 RSM Wizard\example code\DatabaseManager
LOC 239 eLOC 207 lLOC 163 Comment 5 Lines 253

~~ Total Project Summary ~~

LOC 239 eLOC 207 lLOC 163 Comment 5 Lines 253
Average per File, metric/1 files
LOC 239 eLOC 207 lLOC 163 Comment 5 Lines 253

~~ Project Functional Metrics ~~

Function: DatabaseManager.main

Parameters: (String[] args)

Complexity	Param 1	Return 1	Cyclo Vg 13	Total	15
LOC 58	eLOC 56	lLOC 41	Comment 0	Lines	58

Function: DatabaseManager.getConnection

Parameters: ()

Complexity	Param 0	Return 1	Cyclo Vg 1	Total	2
LOC 3	eLOC 2	lLOC 1	Comment 0	Lines	3

Function: DatabaseManager.addUser

Parameters: (Scanner scanner)

Complexity	Param 1	Return 1	Cyclo Vg 1	Total	3
LOC 14	eLOC 14	lLOC 12	Comment 1	Lines	14

Function: DatabaseManager.updateUser

Parameters: (Scanner scanner)

Complexity	Param 1	Return 1	Cyclo Vg 1	Total	3
LOC 14	eLOC 14	lLOC 12	Comment 1	Lines	14

Function: DatabaseManager.deleteUser

Parameters: (Scanner scanner)

Complexity	Param 1	Return 1	Cyclo Vg 1	Total	3
LOC 10	eLOC 10	lLOC 8	Comment 0	Lines	10

Function: DatabaseManager.viewUsers

Parameters: ()

Complexity	Param 0	Return 1	Cyclo Vg 2	Total	3
LOC 11	eLOC 10	lLOC 8	Comment 0	Lines	11

Function: DatabaseManager.addRole

Parameters: (Scanner scanner)

Complexity	Param 1	Return 1	Cyclo Vg 1	Total	3
LOC 11	eLOC 11	lLOC 9	Comment 1	Lines	11

Function: DatabaseManager.assignRole

Parameters: (Scanner scanner)

Complexity	Param 1	Return 1	Cyclo Vg 1	Total	3
LOC 13	eLOC 13	lLOC 11	Comment 0	Lines	13

Function: DatabaseManager.removeRole

Parameters: (Scanner scanner)

Complexity	Param 1	Return 1	Cyclo Vg 1	Total	3
LOC 13	eLOC 13	lLOC 11	Comment 0	Lines	13

Function: DatabaseManager.listRoles

Parameters: ()

Complexity	Param 0	Return 1	Cyclo Vg 2	Total	3
LOC 10	eLOC 9	lLOC 7	Comment 0	Lines	10

Function: DatabaseManager.searchUserByName

Parameters: (Scanner scanner)

Complexity	Param 1	Return 1	Cyclo Vg 2	Total	4
LOC 15	eLOC 13	lLOC 10	Comment 1	Lines	15

Function: DatabaseManager.searchUserByEmail

Parameters: (Scanner scanner)

Complexity	Param 1	Return 1	Cyclo Vg 2	Total	4
LOC 15	eLOC 13	lLOC 10	Comment 1	Lines	15

Function: DatabaseManager.executeUpdate

Parameters: (PreparedStatement pstmt, String successMessage)

Complexity	Param 2	Return 1	Cyclo Vg 2	Total	5
LOC 9	eLOC 7	lLOC 4	Comment 0	Lines	9

Total: Functions

LOC 196	eLOC 185	lLOC 144	InCmp 24	CycloCmp	30
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Function Points	FP(LOC) 3.7	FP(eLOC) 3.5	FP(lLOC)	2.7
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~~ Project Functional Analysis ~~

Total Functions	13	Total Physical Lines ..:	196
Total LOC	196	Total Function Pts LOC :	3.7
Total eLOC	185	Total Function Pts eLOC:	3.5
Total lLOC.....	144	Total Function Pts lLOC:	2.7
Total Cyclomatic Comp. :	30	Total Interface Comp. ..:	24
Total Parameters	11	Total Return Points:	13
Total Comment Lines:	5	Total Blank Lines	0

Avg Physical Lines	15.08	Avg eLOC	14.23
Avg LOC	15.08	Avg Cyclomatic Comp. ...:	2.31
Avg lLOC	11.08	Avg Parameters	0.85
Avg Interface Comp.:	1.85	Avg Comment Lines	0.38
Avg Return Points	1.00		

Max LOC	58	Max lLOC	41
Max eLOC	56	Max Interface Comp.:	3
Max Cyclomatic Comp. ...:	13	Max Return Points	1
Max Parameters	2	Max Total Lines	58
Max Comment Lines	1		

Min LOC	3	Min lLOC	1
Min eLOC	2	Min Interface Comp.:	1
Min Cyclomatic Comp. ...:	1	Min Return Points	1
Min Parameters	0	Min Total Lines	3
Min Comment Lines	0		

~~ File Summary ~~

C Source Files *.c	0	C/C++ Include Files *.h:	0
C++ Source Files *.c* ..:	0	C++ Include Files *.h* :	0
C# Source Files *.cs ...:	0	Java Source File *.jav*:	1
Other Source Files	0		
Total File Count	1		

Shareware evaluation licenses process only 20 files.

Paid licenses enable processing for an unlimited number of files.

Report Banner - Edit rsm.cfg File