

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

Licensed To : Shareware End User - Distribute Freely

License No. : SW1380

License Date: Dec 05, 1998

Build Date : Sep 2 2009

Run Date: Apr 22, 2024

©1996-2009 M Squared Technologies LLC™

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\prash\M2 RSM Wizard\output\output.htm -c -fa
-FC:\Users\prash\M2 RSM Wizard\input\rsm_file_list.lst

~~ Function Metrics ~~

~~ Complexity Analysis ~~

File: [D:\ASU\Classes\SPPQM CSE566\Assignments 566\A5\A5 Java files\InventoryManagementSystem.java](#)

Function: [InventoryManagementSystem.InventoryManagementSystem](#)

Parameters: ()

Complexity	Param 0	Return 1	Cyclo Vg 1	Total	2
LOC 4	eLOC 3	lLOC 2	Comment 0	Lines	4

Function: [InventoryManagementSystem.addItem](#)

Parameters: (String name, double price, int quantity)

Complexity	Param 3	Return 1	Cyclo Vg 2	Total	6
LOC 9	eLOC 7	lLOC 5	Comment 0	Lines	10

Function: [InventoryManagementSystem.removeItem](#)

Parameters: (String name, int quantity)

Complexity	Param 2	Return 2	Cyclo Vg 3	Total	7
LOC 14	eLOC 11	lLOC 8	Comment 0	Lines	16

Function: [InventoryManagementSystem.updateItemPrice](#)

Parameters: (String name, double newPrice)

Complexity	Param 2	Return 1	Cyclo Vg 2	Total	5
LOC 9	eLOC 7	lLOC 5	Comment 0	Lines	10

Function: [InventoryManagementSystem.searchItemByName](#)

Parameters: (String name)

Complexity	Param 1	Return 1	Cyclo Vg 2	Total	4
LOC 8	eLOC 6	lLOC 4	Comment 0	Lines	9

Function: [InventoryManagementSystem.displayInventory](#)

Parameters: ()

Complexity	Param 0	Return 1	Cyclo Vg 3	Total	4
LOC 10	eLOC 7	lLOC 5	Comment 0	Lines	11

Function: [InventoryManagementSystem.findItemByName](#)

Parameters: (String name)

Complexity	Param 1	Return 2	Cyclo Vg 3	Total	6
LOC 8	eLOC 5	lLOC 3	Comment 0	Lines	8

Function: [InventoryManagementSystem.main](#)

Parameters: (String[] args)

Complexity	Param 1	Return 1	Cyclo Vg 1	Total	3
LOC 10	eLOC 9	lLOC 8	Comment 0	Lines	13

Function: [Item.Item](#)

Parameters: (String name, double price, int quantity)

Complexity	Param 3	Return 1	Cyclo Vg 1	Total	5
LOC 5	eLOC 4	lLOC 3	Comment 0	Lines	5

Function: Item.getName

Parameters: ()

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

Function: Item.getPrice

Parameters: ()

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

Function: Item.getQuantity

Parameters: ()

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

Function: Item.setPrice

Parameters: (double newPrice)

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

Function: Item.removeQuantity

Parameters: (int amount)

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

Function: Item.toString

Parameters: ()

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

~~ Total File Summary ~~

LOC 106	eLOC 80	lLOC 55	Comment 3	Lines	131
---------	---------	---------	-----------	-------	-----

~~ File Functional Summary ~~

File Function Count....:	15		
Total Function LOC.....:	95	Total Function Pts LOC :	2.0
Total Function eLOC.....:	71	Total Function Pts eLOC:	1.5
Total Function lLOC.....:	49	Total Function Pts lLOC:	1.0
Total Function Params ..:	15	Total Function Return ..:	17
Total Cyclo Complexity :	24	Total Function Complex.:	56

Max Function LOC	14	Average Function LOC ..:	6.33
Max Function eLOC	11	Average Function eLOC ..:	4.73
Max Function lLOC	8	Average Function lLOC ..:	3.27

Max Function Parameters:	3	Avg Function Parameters:	1.00
Max Function Returns ...:	2	Avg Function Returns ...:	1.13
Max Interface Complex. :	5	Avg Interface Complex. :	2.13
Max Cyclomatic Complex.:	3	Avg Cyclomatic Complex.:	1.60
Max Total Complexity ...:	7	Avg Total Complexity ...:	3.73

End of File: <D:\ASU\Classes\SPPQM CSE566\Assignments 566\A5\A5 Java file s\InventoryManagementSystem.java>

~~ Total Metrics For 1 Files ~~

~~ Total Project Summary ~~

LOC 106	eLOC 80	lLOC 55	Comment 3	Lines	131
Average per File, metric/1 files					
LOC 106	eLOC 80	lLOC 55	Comment 3	Lines	131

~~ Project Functional Metrics ~~

Function: InventoryManagementSystem.InventoryManagementSystem

Parameters: ()

Complexity	Param 0	Return 1	Cyclo Vg 1	Total	2
LOC 4	eLOC 3	lLOC 2	Comment 0	Lines	4

Function: InventoryManagementSystem.addItem

Parameters: (String name, double price, int quantity)

Complexity	Param 3	Return 1	Cyclo Vg 2	Total	6
LOC 9	eLOC 7	lLOC 5	Comment 0	Lines	10

Function: InventoryManagementSystem.removeItem

Parameters: (String name, int quantity)

Complexity	Param 2	Return 2	Cyclo Vg 3	Total	7
LOC 14	eLOC 11	lLOC 8	Comment 0	Lines	16

Function: InventoryManagementSystem.updateItemPrice

Parameters: (String name, double newPrice)

Complexity	Param 2	Return 1	Cyclo Vg 2	Total	5
LOC 9	eLOC 7	lLOC 5	Comment 0	Lines	10

Function: InventoryManagementSystem.searchItemByName

Parameters: (String name)

Complexity	Param 1	Return 1	Cyclo Vg 2	Total	4
LOC 8	eLOC 6	lLOC 4	Comment 0	Lines	9

Function: InventoryManagementSystem.displayInventory

Parameters: ()

Complexity	Param 0	Return 1	Cyclo Vg 3	Total	4
LOC 10	eLOC 7	lLOC 5	Comment 0	Lines	11

Function: InventoryManagementSystem.findItemByName

Parameters: (String name)

Complexity	Param 1	Return 2	Cyclo Vg 3	Total	6
LOC 8	eLOC 5	lLOC 3	Comment 0	Lines	8

Function: InventoryManagementSystem.main

Parameters: (String[] args)

Complexity	Param 1	Return 1	Cyclo Vg 1	Total	3
LOC 10	eLOC 9	lLOC 8	Comment 0	Lines	13

Function: Item.Item

Parameters: (String name, double price, int quantity)

Complexity	Param 3	Return 1	Cyclo Vg 1	Total	5
LOC 5	eLOC 4	lLOC 3	Comment 0	Lines	5

Function: Item.getName

Parameters: ()

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

Function: Item.getPrice

Parameters: ()

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

Function: Item.getQuantity

Parameters: ()

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

Function: Item.setPrice

Parameters: (double newPrice)

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

Function: Item.removeQuantity

Parameters: (int amount)

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

Function: Item.toString

Parameters: ()

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

Total: Functions

LOC 95	eLOC 71	lLOC 49	InCmp 32	CycloCmp	24
--------	---------	---------	----------	----------	----

Function Points	FP(LOC) 1.8	FP(eLOC) 1.3	FP(lLOC)	0.9
-----------------	-------------	--------------	----------	-----

~~ Project Functional Analysis ~~

Total Functions	15	Total Physical Lines ...	104
Total LOC	95	Total Function Pts LOC :	1.8
Total eLOC	71	Total Function Pts eLOC:	1.3
Total lLOC.....	49	Total Function Pts lLOC:	0.9
Total Cyclomatic Comp. :	24	Total Interface Comp. ..	32
Total Parameters	15	Total Return Points ...:	17
Total Comment Lines	0	Total Blank Lines	9

Avg Physical Lines:	6.93		
Avg LOC	6.33	Avg eLOC	4.73
Avg lLOC	3.27	Avg Cyclomatic Comp. ...:	1.60
Avg Interface Comp.:	2.13	Avg Parameters	1.00
Avg Return Points	1.13	Avg Comment Lines	0.00

Max LOC	14		
Max eLOC	11	Max lLOC	8
Max Cyclomatic Comp. ...:	3	Max Interface Comp.:	4
Max Parameters	3	Max Return Points	2
Max Comment Lines	0	Max Total Lines	16

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

~~ 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