

## Report Banner - Edit rsm.cfg File

Resource Standard Metrics™ for C, C++, C# and Java  
Version 7.75 - [mSquaredTechnologies.com](http://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  
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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\prash\M2 RSM Wizard\output\output.htm -c -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](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

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~~ Total File Summary ~~

LOC 106	eLOC 80	lLOC 55	Comment 3	Lines	131
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~~ 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
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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
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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>

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~~ Total Metrics For 1 Files ~~

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~~ 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

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~~ 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

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Parameters: (String name)

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

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Parameters: ()

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

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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
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Function Points	FP(LOC) 1.8	FP(eLOC) 1.3	FP(lLOC)	0.9
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## ~~ 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.

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***Report Banner - Edit rsm.cfg File***