Report Banner - Edit rsm.cfg File

Resource Standard Metrics™ for C, C++, C# and Java
Version 7.75 - <u>mSquaredTechnologies.com</u>

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License No. : SW1380

Build Date : Sep 2 2009

License Date: Dec 05, 1998

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\Inven toryManagementSystem.java

<u>Function</u> : In Parameters:		mentSystem.Inv	ventoryManagement	System	
Complexity	Param 0	Return 1	Cyclo Vg 1	Total	2
LOC 4	eLOC 3	lLOC 2	Comment 0	Lines	4
LUC 4	eLUC 3	ILUC Z	Comment 0	Lines	4
Function: I	nventoryManager	mentSvstem.ado	lItem		
			int quantity)		
Complexity		Return 1	Cyclo Vg 2	Total	6
LOC 9	eLOC 7	1LOC 5	Comment 0	Lines	10
	nventoryManager				
Parameters:	(String name,	<pre>int quantity)</pre>			
Complexity	Param 2	Return 2	Cyclo Vg 3	Total	7
LOC 14	eLOC 11	1LOC 8	Comment 0	Lines	16
	n <mark>ventoryManage</mark> r				
	(String name,		lce)		
Complexity	Param 2	Return 1	Cyclo Vg 2	Total	5
LOC 9	eLOC 7	1LOC 5	Comment 0	Lines	10
	nventoryManager	mentSystem.sea	nrchItemByName		
	(String name)				
Complexity	Param 1	Return 1	Cyclo Vg 2	Total	4
LOC 8	eLOC 6	1LOC 4	Comment 0	Lines	9
	nventoryManager	mentSystem.dis	playInventory		
Parameters:		Datum 1	C	T-4-7	
Complexity		Return 1	Cyclo Vg 3	Total	4
LOC 10	eLOC 7	1LOC 5	Comment 0	Lines	11
Function: T	nventoryManager	montfuctom fir	dT+omPvNomo		
	(String name)	mentsystem. Tir	iui teliibyllalile		
Complexity		Return 2	Cyclo Vg 3	Total	-
LOC 8	eLOC 5	1LOC 3	Comment 0	Lines	6 8
LUC 8	eLUC 5	ILUC 3	Comment 0	Lines	8
Function: T	nventoryManager	montfyctom mai	'n		
	(String[] args		.11		
Complexity		Return 1	Cyclo Vg 1	Total	2
LOC 10	eLOC 9	1LOC 8	Comment 0	Lines	3 13
FOC 10	eroc a	TLUC 8	comment 6	rines	13

			ce, int quantity)		_
Complexity	Param 3	Return 1	Cyclo Vg 1 Comment 0	Total	5
LOC 5	eLOC 4	1LOC 3	Comment 0	Lines	5
<u>Function</u> : I					
Parameters:	()				
Complexity	Param 0	Return 1	Cyclo Vg 1	Total	2
LOC 3	eLOC 2	lLOC 1	Comment 0	Lines	3
Function: I	tem.getPrice				
Parameters:					
		Return 1	Cyclo Vg 1	Total	2
LOC 3	eLOC 2	lLOC 1	Comment 0		3
					_
Function: T	tem.getQuantity	/			
Parameters:					
		Potunn 1	Cyclo Va 1	Total	2
COMPTEXITY	eLOC 2	lLOC 1	Cyclo Vg 1 Comment 0	Lines	3
LUC 3	eLUC Z	ILUC I	Comment	Lines)
F					
	tem.setPrice				
	(double newPr		_	_	
			Cyclo Vg 1		3
LOC 3	eLOC 2	1LOC 1	Comment 0	Lines	3
<u>Function</u> : I	tem.removeQuant	tity			
Parameters:	(int amount)				
Complexity	Param 1	Return 1	Cyclo Vg 1	Total	3
LOC 3	eLOC 2	1LOC 1	Cyclo Vg 1 Comment 0	Lines	3
Function: T	tem.toString				
Parameters:					
		Dotumn 1	Cyclo Vg 1	Total	2
					2 3
LUC 3	eLOC 2	ILUC I	Comment 0	Lines	3
		T-4-1 F41	- C		
	~^	· lotal File	e Summary ~~		
		7			
LOC 106	eLOC 80	1LOC 55	Comment 3	Lines	131
	~~	File Functi	onal Summary ~~		
File Function	on Count:	15			
Total Funct:	ion LOC:	95	Total Function Pts	LOC:	2.0
Total Funct:	ion eLOC:	71	Total Function Pts	eLOC:	1.5
Total Funct:	ion lLOC:	49	Total Function Pts	: lLOC:	1.0
	ion Params .:	15	Total Function Ret		17
	Complexity:	24	Total Function Con		56
-				•	50
	n LOC:	14	Average Function I		6.33
	n eLOC:		_		
		11	Average Function		4.73
max Function	n 1LOC:	8	Average Function 1	LLUC .:	3.27
					_
	n Parameters:		Avg Function Param		1.00
	n Returns:		Avg Function Retur		1.13
	ce Complex. :		Avg Interface Comp		2.13
Max Cycloma ⁻	tic Complex.:	3	Avg Cyclomatic Con	mplex.:	1.60
Max Total Co	omplexity:	7	Avg Total Complex	ity:	3.73
			<u> </u>	<u> </u>	
	- \ a - \ \ a	\	FFCC\Assismments FC		

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

~~ Total Metrics For 1 Files ~~

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~~	Total	Proj	ect	Summary	/ ~~
----	-------	------	-----	---------	------

LOC 10	6	eL0C	80	1LOC 55	Comment 3	Lines	131
Averag	e per	File,	metric/1	files			
LOC 10	6	eL0C	80	1LOC 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 1LOC 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 1LOC 5 Comment 0 Lines 10

<u>Function</u>: 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

<u>Function</u>: InventoryManagementSystem.updateItemPrice

Parameters: (String name, double newPrice)

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

<u>Function</u>: InventoryManagementSystem.searchItemByName

Parameters: (String name)

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

<u>Function</u>: InventoryManagementSystem.displayInventory

Parameters: ()

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

$\underline{\textbf{Function}} \colon \textbf{Inventory} \textbf{ManagementSystem.findItemByName}$

Parameters: (String name)

Complexity Param 1 Return 2 Cyclo Vg 3 Total 6 LOC 8 eLOC 5 1LOC 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 1LOC 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

	tem.getPrice				
Parameters:		D. t 4	C 1 - 1 - 4	T-4-1	_
	Param 0	Return 1	, ,		2
LOC 3	eLUC 2	1LOC 1	Comment 0	Lines	3
<pre>Function: It Parameters:</pre>	tem.getQuanti	ty			
		Return 1	Cyclo Vg 1	Total	2
	eLOC 2		Comment 0		3
LUC 3	eloc 2	1100 1	Comment	LINES	,
	tem.setPrice (double newP	rice)			
	Param 1		Cyclo Vg 1	Total	3
LOC 3			Comment 0	Lines	3
					_
	tem.removeQua (int amount)	ntity			
		Return 1	Cyclo Vg 1	Total	3
LOC 3	eLOC 2	lLOC 1	Comment 0	Lines	3
					_
<pre>Function: If Parameters:</pre>	tem.toString ()				
		Return 1	Cyclo Vg 1	Total	2
	eLOC 2		Comment 0		3
					_
Total: Funct	tions				
LOC 95	eLOC 71	1LOC 49	InCmp 32	CycloCmp	24
			·		
Function Po:	ints	FP(LOC) 1.8	FP(eLOC) 1.3	FP(1LOC)	0.9
	~~ P	roject Funct	ional Analysis ~~		
Total Funct:	ions:	15	Total Physical Li	nes:	104
			Total Function Pt		1.8
	• • • • • • • • • • • • •	71			1.3
	· · · · · · · · · · · · · · · · · · ·	49	Total Function Pt		0.9
	matic Comp. :	24			32
	eters:	15	Total Return Poin		17
	nt Lines:	0	Total Blank Lines		9
					-
Avg Physica	l Lines:	6.93			
		6.33	Avg eLOC	:	4.73
		3.27	Avg Cyclomatic Co		1.60
	ce Comp:	2.13	Avg Parameters		1.00
	Points:	1.13	Avg Comment Lines		0.00
Max LOC		14			
		11	Max 1LOC	:	8
	tic Comp:	3	Max Interface Com		4
		2	Max Return Points	•	2
Max Paramete	ers:	3			
	ers: Lines:	9	Max Total Lines .	:	16
Max Comment			Max Total Lines .		16
Max Comment Min LOC	Lines:	0			16
Max Comment Min LOC Min eLOC	Lines: :	0 3 2	Min 1LOC	:	16 1
Max Comment Min LOC Min eLOC Min Cycloma	Lines:: tic Comp:	0 3 2	Min 1LOC Min Interface Com	 : p:	
Max Comment Min LOC Min eLOC Min Cycloma	Lines: :	0 3 2	Min 1LOC	 : p:	1
Max Comment Min LOC Min eLOC Min Cyclomat Min Parameto	Lines:: tic Comp:	0 3 2 1	Min 1LOC Min Interface Com	 p:	1 1
Max Comment Min LOC Min eLOC Min Cycloma Min Parameto Min Comment	Lines:	0 3 2 1 0	Min 1LOC Min Interface Com Min Return Points	: p: :	1 1 1

~~ 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 *. <i>jav</i> *:	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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