Developer's log for Software Construction

Chris Johnson, derived from PSP personal software process Watts Humphreys v1.2013

Programmer 19/03/13

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Task Description

Basic version: Write a Java program called 'Change' that works out how to make change in coins for a given number of cents in Australian currency.

Estimates & actuals		estimate	final actu	al		
	classes	2	2			
	methods	5	7			
	lines/NCNB	200/100	154/82			
	time (hours)	1.5	2.25			
				interrupts	work	
Working session	date	start	end	(min)	time (min)	achieved
1	19/03/13	0:00	1:30	10	80	Version 1.0: runnable version with sufficient comment
						Version 1.1: add mechanism to
2	19/03/13	2:00	2:30	5	25	generate testcases.txt
						automatically
						Version 1.2: fix bugs and
3	25/03/13	0:00	0:30	0	30	implements the rounding-up for amount with last digit
						3,4,8,9
total work time					135	
Defects	type of defect	location	time to			cause
1	cent round up	Change class	fix (min) 5	No knowled	dae of th	o rounding up rules for currency
2	-	Change class	1	No knowledge of the rounding up rules for currency lack of techniques for tidy codes		
۷	unnecessary local variable	Change dass	I	lo	JUN UI LEC	miliques for tidy codes
number of defects	2					

Reflective comments observations, problems in skills and practices, plans to improve

1. Implemented a general .sh script to do Linecount and method counter automatically for each homework.

Autogeneration of test for program is really a good approach for verification of correctness of our programs. 2. There is no need to create a local variable sometimes. (we can directly new a object and pass it to another method)