

Developer's log for Software Construction

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

Programmer

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Task Description

read a sequence of integer values from the input, and count them by sorting in an implementation of a binary tree (not using library tree classes)

Estimates & actuals

	estimate	final actual
classes	3	3
methods	10	8
lines/NCNB	100/50	109/70
time (hours)	2	1.83

Working session	date	start	end	interrupts (min)	work time (min)	achieved
1	26/03/13	22:30:00	0:30:00	10	110	Version 1.0: first runnable version
2						
3						
total work time					110	

Defects	type of defect	location	time to fix (min)	cause
Generic Problem	Java convention unfamiliarity	1	5	Java generic mechanism requires corresponding interface. Finally, I cancel the choice of using generics
Missing argument	Oblivion	4	5	I define a toString() method with argument for BST, but I forgot to pass arguments while calling it. This is because by convention, there is no argument for toString() method.
number of defects	2			

Reflective comments

observations, problems in skills and practices, plans to improve

Trinary operator cond?if-true:if-false provides great convenience in programming. It can be frequently used in latter programming. This time, I make the field as hidden as possible to outsider. (by making it private and provide sufficient method to access it.)