

## Developer's log for Software Construction

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

### Programmer

Jimmy Lin  
PerformanceIntSet

### Task Description

measure and compare the time performance of several different implementations of a set of integers. The task is to identify existing implementation code, apply it, and measure the performance. No major implementation work is

### Estimates & actuals

	estimate	final actual
classes	2	2
methods	4 each classes	4 each classes
lines/NCNB	120/80	146/95
time (hours)	1	1.00

Working session	date	start	end	interrupts (min)	work time (min)	achieved
1	13/03/13	1:00	2:00	0	60	version 1.0 - runnable version get expected result
2						
3						
total work time					60	

### Defects

judge null value for  
branch of binary  
tree

type of defect	location	time to fix (min)	cause
data strucutre	3	1	Unfamiliarity with the data structure. Null will have no method, because it is not object.

number of defects 1

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

Tree can be easily implented in java, not always turn to API if no complicated mechanism is required.