

## Developer's log for Software Construction

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

**Programmer**

31/03/13

Jimmy Lin

### Task Description

1. implement a new element type named frame; 2. improve the implementation of the SVG container element polyline by building a recursive data structure to represent the points and visit the points by Visitor methods;
3. design and implement modifications to the implementation of rendering in Java, that improve the time performance of all elements that require their attributes to be parsed, and measure the time improvement.

Working session	date	start	end	interrupts (min)	work time (min)	achieved
1	13/03/13	16:00:00	18:06:01	6	120	create repository, frame implementation
2	25/03/13	18:00:00	2:32:58	30	480	polyline implementation, achieve performance improvement
3	31/03/13	10:00:00	11:00:00	0	60	Developer log and final check
total work time					660	

Defects	type of defect	location	time to fix (min)	cause
enum, class, interface expected	Java syntax, bad programming habit	2	3	copy block of codes without caring about the nesting of brace. (too many right brace ending the class block)
Confusing Rectangle	package conflict for Rectangle object	1	10	Swing has a class called Rectangle, Gaga also has a class called Rectangle. Their coexistence leads to namespace conflict.
number of defects	2			

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

1, Read specification repeatedly and do modification unless you are pretty sure about what is the need. 2, I did not create a new visitor for specification (3), instead I just modify the pre-existing Java2DRender visitor. In this way, I can avoid modifying the codes in GUI files for convenience. Formal method should be to create a new visitor.