PSP2 Project Plan Summary

Student	Diego Andrés Montealegre García	Date	22-02-2015
Program	PSP 2	Program #	5
Instructor	Luis Daniel Benavides Navarro	Language	Java

Summary	**Plan**	**Actual**	**To Date**
Size/Hour	2.91	1,3393939	
Planned Time	120		
Actual Time		165	
CPI (Cost-Performance Index)			(Planned/Actual)
% Reuse	0	0	12,033%
% New Reusable	18.1818%	5.82%	5.82%
Test Defects/KLOC or equivalent	0	0	0
Total Defects/KLOC or equivalent	0	0	0
Yield %	00	0	0

Program Size	**Plan**	**Actual**	**To Date**
Base (B)	00 (Measured)	0 (Measured)	
Deleted (D)	0 (Estimated)	0 (Counted)	
Modified (M)	0 (Estimated)	0 (Counted)	
Added (A)	146,4869281 (A+M − M)	221 (T − B + D − R)	
Reused (R)	0 (Estimated)	0 (Counted)	29
Added and Modified (A+M)	146,4869281 (Projected)	221 (A + M)	903
Total Size (T)	146,4869281 (A+M + B − M − D + R)	221 (Measured)	1028
Total New Reusable	50	13	15

Estimated Proxy Size (E)

Time in Phase (min.)	Plan	Actual	To Date	To Date %
Planning	6	25	55	7%
Design	6.4	8	40	5%
Design Review	12	4	4	1%
Code	51,4	48	424	57%
Code Review	12	15	15	2%
Compile	0	0	0	0%
Test	17.1	10	95	13%
Postmortem	15.1	40	115	15%
Total	120	165	748	100%

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PSP2 Project Plan Summary (continued)

Student DIEGO ANDRÉS MONTEALEGRE GARCIA Program # 5

Defects Injected	***Plan***	**Actual**	**To Date**	**To Date %**
Planning	0	0	0	0
Design	0	0	0	0
Design Review	0	0	0	0
Code	0	0	5	100%
Code Review	0	0	0	0
Compile	0	0	0	0
Test	0	0	0	0
Total Development	0	0	5	0

Defects Removed	***Plan***	**Actual**	**To Date**	**To Date %**
Planning	0	0	0	0
Design	0	0	0	0
Design Review	0	0	0	0
Code	0	0	5	100%
Code Review	0	0	0	0
Compile	0	0	0	0
Test	0	0	0	0
Total Development	0	0	5	100%
After Development	0	0	0	

Defect Removal Efficiency	***Plan***	***Actual***	***To Date***
Defects/Hour − Design Review	0	0	0
Defects/Hour − Code Review	0	0	0
Defects/Hour − Compile	0	0	0
Defects/Hour − Test	0	0	0
DRL (DLDR/UT)	0	0	0
DRL (Code Review/UT)	0	0	0
DRL (Compile/UT)	0	0	0

PSP2 Plan Summary Instructions

Purpose	To hold the plan and actual data for programs or program parts
General	- Use the most appropriate size measure, either LOC or element count. - "To Date" is the total actual to-date values for all products developed. - A part could be a module, component, product, or system.
Header	- Enter your name and the date. - Enter the program name and number. - Enter the instructor's name and the programming language you are using.
Summary	- Enter the added and modified size per hour planned, actual, and to-date. - Enter the planned and actual times for this program and prior programs. - For planned time to date, use the sum of the current planned time and the ***to-date*** planned time for the ***most recent*** prior program. - CPI = (To Date Planned Time)/(To Date Actual Time). - Reused % is reused size as a percentage of total program size. - New Reusable % is new reusable size as a percentage of added and modified size. - ***Enter the test and total defects/KLOC or other appropriate measure.*** - ***Enter the planned, actual, and to-date yield before compile.***
Program Size	- Enter plan base, deleted, modified, reused, new reusable, and total size from the Size Estimating template. - Enter the plan added and modified size value (A+M) from projected added and modified size (P) on the Size Estimating template. - Calculate plan added size as A+M – M. - Enter estimated proxy size (E) from the Size Estimating template. - Enter actual base, deleted, modified, reused, total, and new reusable size from the Size Estimating template. - Calculate actual added size as T-B+D-R and actual added and modified size as A+M. - Enter to-date reused, added and modified, total, and new reusable size.
Time in Phase	- Enter plan total time in phase from the estimated total development time on the Size Estimating template. - Distribute the estimated total time across the development phases according to the To Date % for the most recently developed program. - Enter the actual time by phase and the total time. - To Date: Enter the sum of the actual times for this program plus the to-date times from the most recently developed program. - To Date %: Enter the percentage of to-date time in each phase.

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PSP2 Plan Summary Instructions (continued)

Defects Injected	- ***Enter the total estimated defects injected.*** - ***Distribute the estimated total defects across the development phases according to the To Date % for the most recently developed program.*** - Enter the actual defects by phase and the total actual defects. - To Date: Enter the sum of the actual defects injected by phase and the to-date values for the most recent previously developed program. - To Date %: Enter the percentage of the to-date defects injected by phase.
Defects Removed	- ***Enter the estimated total defects removed.*** - ***Distribute the estimated total defects across the development phases according to the To Date % for the most recently developed program.*** - To Date: Enter the actual defects removed by phase plus the to-date values for the most recent previously developed program. - To Date %: Enter the percentage of the to-date defects removed by phase. - After development, record any defects subsequently found during program testing, use, reuse, or modification.
Defect-Removal Efficiency	- ***Calculate and enter the defects removed per hour in design review, code review, compile, and test.*** - ***For DRL, take the ratio of the review and compile rates with test.*** - ***Where there were no test defects, use the to-date test defect/hour value.***