

Table C34 PSP1 Project Plan Summary

Student	Aaron Chamberlain		Date	2-22-16
Program	Significance Calculation		Program #	4
Instructor	Dr. Concepcion		Language	Python
Summary	Plan	Actual	To Date	
LOC/Hour	45.5	36.9	49.3	
Program Size (LOC):	Plan	Actual	To Date	
Base(B)	25	25		
	(Measured)	(Measured)		
Deleted (D)	0	0		
	(Estimated)	(Counted)		
Modified (M)	0	2		
	(Estimated)	(Counted)		
Added (A)	11.61	14		
	(N-M)	(T-B+D-R)		
Reused (R)	0	0	0	
	(Estimated)	(Counted)		
Total New & Changed (N)	0	16	171	
	(Estimated)	(A+M)		
Total LOC (T)	31.61	39	268	
	(N+B-M-D+R)	(Measured)		
Total New Reused	0	0	0	
Time in Phase (min.)	Plan	Actual	To Date	To Date %
Planning	2	2	24	7.3%
Design	2	2	24	7.3%
Code	16	15	180	55.1%
Compile	2	1	14	4.2%
Test	6	4	60	18.3%
Postmortem	2	2	26	7.8%
Total	30	26	326	100%
Defects Injected	Actual	To Date	To Date %	
Planning	0	0	0.0%	
Design	0	0	0.0%	
Code	1	3	75%	
Compile	0	0	0.0%	
Test	0	1	25%	
Total Development	1	4	100%	
Defects Removed	Actual	To Date	To Date %	
Planning	0	0	0.0%	
Design	0	0	0.0%	
Code	0	1	25%	
Compile	1	1	25%	
Test	0	2	50%	
Total Development	1	4	100%	
After Development	0	0		

TABLE C39 SIZE ESTIMATING TEMPLATE

Student _____	Date _____
Instructor _____	Program # _____

BASE PROGRAM LOC				ESTIMATE	ACTUAL
BASE SIZE (B)	=>	=>	=>	=>	_____
LOC DELETED (D)	=>	=>	=>	=>	_____
LOC MODIFIED (M)	=>	=>	=>	=>	_____

OBJECT LOC					
BASE ADDITIONS	TYPE ¹	METHODS	REL. SIZE	LOC	LOC
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
TOTAL BASE ADDITIONS (BA)=>				=>	_____
NEW OBJECTS	TYPE	METHODS	REL. SIZE	LOC (New Reused*)	
_____	_____	_____	_____	_____	
_____	_____	_____	_____	_____	
_____	_____	_____	_____	_____	
_____	_____	_____	_____	_____	
_____	_____	_____	_____	_____	
TOTAL NEW OBJECTS (NO)=>				=>	_____

REUSED OBJECTS					
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
REUSED TOTAL (R) =>				=>	_____

		SIZE	TIME
Estimated Object LOC (E):	$E = BA + NO + M$	_____	_____
Regression Parameters:	β_0 (size and time)	_____	_____
Regression Parameters:	β_1 (size and time)	_____	_____
Estimated New and Changed LOC (N):	$N = \beta_0 + \beta_1 * E$	_____	_____
Estimated Total LOC:	$T = N + B - D - M + R$	_____	_____
Estimated Total New Reuse (sum of * LOC):		_____	_____
Estimated Total Development Time:	$\text{Time} = \beta_0 + \beta_1 * E$	_____	_____
Prediction Range:	Range	_____	_____
Upper Prediction Interval:	$UPI = N + \text{Range}$	_____	_____
Lower Prediction Interval:	$LPI = N - \text{Range}$	_____	_____
Prediction Interval Percent:		_____	_____

¹L=Logic, I=I/O, C=Calculation, T=Text, D=Data, S=Set-up