Table C34 PSP1 Project Plan Summary

Student	Seth Lemanek	Date	2/21/16
Program	Assignment #4	Program #	4
Instructor	Arturo Concepcion	Language	C++

Summary	*Plan*	*Actual*	*To Date*
LOC/Hour	17.4	10.1	9.7

Program Size (LOC):	***Plan***	**Actual**	**To Date**
Base(B)	60 (Measured)	60 (Measured)	
Deleted (D)	0 (Estimated)	3 (Counted)	
Modified (M)	0 (Estimated)	1 (Counted)	
Added (A)	40.5 (N-M)	41 (T-B+D-R)	
Reused (R)	0 (Estimated)	0 (Counted)	0
Total New & Changed (N)	40.5 (Estimated)	44 (A+M)	174
Total LOC (T)	100.5 (N+B-M-D+R)	104 (Measured)	272
Total New Reused	0	0	0

Time in Phase (min.)	**Plan**	**Actual**	**To Date**	**To Date %**
Planning	30	27	48	5.6
Design	10	6	48	5.6
Code	70	77	399	46.5
Compile	30	11	71	8.3
Test	30	100	173	20.2
Postmortem	30	40	119	13.9
Total	200	261	858	100

Defects Injected	**Actual**	**To Date**	**To Date %**
Planning	0	0	0
Design	0	4	13.8
Code	9	25	86.2
Compile	0	0	0
Test	0	0	0
Total Development	9	29	100

Defects Removed	**Actual**	**To Date**	**To Date %**
Planning	0	0	0
Design	0	0	0
Code	0	5	17.2
Compile	4	13	44.8
Test	5	11	37.9
Total Development	9	29	100
After Development			

TABLE C39 SIZE ESTIMATING TEMPLATE

Student Seth Lemanek Date 2/21/16

Instructor Arturo Concepcion Program # 4

BASE PROGRAM LOC	ESTIMATE	ACTUAL
BASE SIZE (B) => => => => => => => => => =>	60	60
LOC DELETED (D) => => => => => => => => =>	0	0
LOC MODIFIED (M) => => => => => => => => =>	0	0

OBJECT LOC

BASE ADDITIONS	TYPE[1]	METHODS	REL. SIZE	LOC	LOC
IRegressor	Calc	3	11.25	33.75	29
TOTAL BASE ADDITIONS (BA) => => => => => =>				33.75	29

NEW OBJECTS	TYPE	METHODS	REL. SIZE	LOC (New Reused*)	
TOTAL NEW OBJECTS (NO) => => => => => => =>				0	0

REUSED OBJECTS

REUSED TOTAL (R) => => => => => => =>		0	0

		SIZE	TIME
Estimated Object LOC (E):	E=BA+NO+M	33.75	
Regression Parameters:	β_0 (size and time)	0	0
Regression Parameters:	β_1 (size and time)	1.2	.0575
Estimated New and Changed LOC (N):	$N=\beta_0+\beta_1*E$	40.5	
Estimated Total LOC:	T=N+B−D−M+R	100.5	
Estimated Total New Reuse (sum of * LOC):		0	
Estimated Total Development Time:	$Time=\beta_0+\beta_1*E$		2.11
Prediction Range:	Range	20	.2
Upper Prediction Interval:	UPI=N+Range	120.5	2.31
Lower Prediction Interval:	LPI=N−Range	80.5	1.91
Prediction Interval Percent:			

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