Table C55 PSP2 Project Plan Summary

Student	James Small			Date	3/9/14
Program	6A			Program #	9
Instructor	Dr. Concepcion			_ Language	C++
Summary		Plan	Ac	tual	To Date
LOC/Hour		63.5		8.7	59
Actual Time	-			21	819
Planned Time		85			680
CPI(Cost-Perforn	nance Index)			_	0.83
	ŕ			_	(Actual/Planned)
% Reused	-	36.6		7.6	15.4
% New Reused	. -	0		0	26
Test Defects/KLC	_	17.9		2.8	17.4
Total Defects/KL	<i>0C</i>	35.8		1.3	37.3
Yield %	-	15.385		50	20
Program Size (L	OC):	Plan	Ac	tual	To Date
Base(B)	,	278	2	78	
- · · · (-)	·	(Measured)		isured)	
Deleted (D)	-	(Estimated)		6	
Modified (M)		(Estimated)		anted)	
Wiodilied (Wi)	-	(Estimated)		unted)	
Added (A)	_	88		75	
D 1 (D)		(N-M)	(T-B+D-R)		220
Reused (R)	-	(Estimated)		09	328
Total New & Cha	inged (N)	90		78	805
	_	(Estimated)		+M)	
Total LOC (T)	-	571		56	2127
Total New Reuse	J	(N+B-M-D+R)		(Measured)	
	_	233.194		<u> </u>	209
Upper Prediction	_	67.7976	_		
Lower Prediction	iniervai (70%)	07.7970			
Time in Phase (n	nin.)	Plan	Actual	To Date	To Date %
Planning	-	4	6	35	4.3
Design	-	9	10	85	10.4
Design review	-	1	8	18	2.2
Code	-	30	39	288	35.2
Code review	-	2	14	29	3.5
Compile	-	5	16	54	6.6
Test	-	23	11	198	24.2
Postmortem	-	12	17	112	13.7
Total		85	121	819	100
Total Time UPI (129.15			
Total Time LPI (70%)	72.2603			
		(co	ntinued)		

Table C55 PSP2 Project Plan Summary (continued)

Student	James Small			Date	3/4/14
Program	4A			Program #	8
Instructor	Dr. Concepcion			Language	C++
Defects Inject	ed	Plan	Actual	To Date	To Date %
Planning		0	0		0
Design		0.1	0	<u> </u>	3.3
Design reviev	v	0	0	0	0
Code		3.1	4	29	96.7
Code review		0	0	0	0
Compile		0	0	0	0
Test		0	0	0	0
Total Develo	opment	3.2	4	30	100
Defects Remo	hav	Plan	Actual	To Date	To Date %
Planning	v cu	0	0	0	0
Design		0	0	0	0
Design reviev	41	0	0	0	0
Code	Y	0	0	0	0
Code review		0.5	2	6	20
Compile		1.1	1	10	33.3
Test		1.6	1	14	46.7
Total Develo	anmant	3.2	4	30	100
After Develop		0	$\frac{4}{0}$	0	100
After Develop	Jillelit				
Defect Removal Efficiency		Plan	P.	Actual	To Date
Defects/Hour	- Design review	0		0	0
Defects/Hour - Code review		16.27	8.57		12.41
Defects/Hour - Compile		14.45	3.75		11.11
Defects/Hour -	- Test	4.24		5.45	4.24
DRL(DLDR/U		0		0	0
DRL(CodeRev	,	3.84		1.57	2.93
DRL(Compile/	,	3.41		0.69	2.62
(- /				

Table C39 Size Estimating Template

Student	James Sma	all			Date	3/9/14
Instructor	Dr. Conce	pcion			Program #	9
BASE PROGR	AM LOC				ESTIMATE	ACTUAL
BASE SIZE (I	3) => => =	=> => =>	-> => =>	=> =>	278	278
LOC DELETE	ED (D) => =	=> => =>	-> => =>	=> =>	4	6
LOC MODIFI	ED (M) => =	=> => =>	-> => =>	=> =>	2	3
OBJECT LOC						-
BASE ADDIT	TIONS	TYPE ¹	METHODS	REL. SIZE	LOC	LOC
	E ADDITIONS	(BA) => =	=> => => =>	> => =>		
NEW OBJECT		TYPE	METHODS	REL. SIZE	•	ew Reused*)
Linear Regro	ession	Calc	9	Medium	101	140*
				-	_	
	OBJECTS (NC)) => =>	=> => => :	=> =>	101	140
REUSED OBJI	ECTS)) => =>	=> => => :	=> =>		
REUSED OBJI StringToFloat (3	ECTS	0) => =>	=> => => :	=> =>	50	50
REUSED OBJI StringToFloat (3 FileCheck (4B)	ECTS BB))) => =>	=> => => :	=> =>	50	50
REUSED OBJI StringToFloat (3	ECTS BB)	0) => =>	=> => => :	=> =>	50	50
REUSED OBJI StringToFloat (3 FileCheck (4B)	ECTS BB) on (4A)		=> => => :		50	50
REUSED OBJI StringToFloat (3 FileCheck (4B) LinearRegressio	ECTS BB) on (4A)				50 19 140	50 19 140
REUSED OBJI StringToFloat (3 FileCheck (4B) LinearRegressio	ECTS BB) on (4A) TAL (R) =>			-> =>	50 19 140 209	50 19 140 209
REUSED OBJI StringToFloat (3 FileCheck (4B) LinearRegressio	ECTS BB) on (4A) FAL (R) => et LOC (E):		E = BA + NO +	=> => M	50 19 140 209 SIZE	50 19 140 209
REUSED OBJI StringToFloat (3 FileCheck (4B) LinearRegressio REUSED TOT	ECTS BB) on (4A) TAL (R) => et LOC (E): meters:		=> => =>	—=> => M me)	50 19 140 209 SIZE 2	50 19 140 209 TIME
REUSED OBJI StringToFloat (3 FileCheck (4B) LinearRegressio REUSED TOT Estimated Object Regression Para	ECTS BB) on (4A) TAL (R) => et LOC (E): meters: meters:	=> => =	$E = BA + NO + \beta_0$ (size and ting β_1) (size and ting β_1)	=> => M me) me)	50 19 140 209 SIZE 2 151.055	50 19 140 209 TIME 100.656
REUSED OBJI StringToFloat (3 FileCheck (4B) LinearRegressio REUSED TOT Estimated Object Regression Para Regression Para	ECTS BB) on (4A) TAL (R) => et LOC (E): meters: meters: and Changed LO	=> => =	$E = BA + NO + \beta_0$ (size and ting	=> => M me) me)	50 19 140 209 SIZE 2 151.055 -0.279586	50 19 140 209 TIME 100.656
REUSED OBJI StringToFloat (3 FileCheck (4B) LinearRegressio REUSED TOT Estimated Object Regression Para Regression Para Estimated New a	ECTS BB) on (4A) TAL (R) => et LOC (E): meters: meters: and Changed LC LOC:	=> => = OC (N):	$E = BA + NO + \beta_0$ (size and ting $A = \beta_0 + \beta_1$) $E = BA + NO + \beta_0$ $E = BA + NO + \beta_0$ $E = BA + NO + \beta_0$ $A = B + B + B + B + B + B + B + B + B + B$	=> => M me) me)	50 19 140 209 SIZE 2 151.055 -0.279586 150.496	50 19 140 209 TIME 100.656
REUSED OBJI StringToFloat (3 FileCheck (4B) LinearRegressio REUSED TOT Estimated Object Regression Para Regression Para Estimated New a Estimated Total	ECTS BB) on (4A) TAL (R) => et LOC (E): meters: meters: and Changed LC LOC: New Reuse (sur	=> => = OC (N): m of * LOC)	$E> => => =>$ $E = BA + NO + \beta_0$ (size and tipe β_1 (size and tipe $\beta_1 = \beta_0 + \beta_1 = \beta_0 = \beta_0 + \beta_1 = \beta_0 = $	=> => M me) me) E - M + R	50 19 140 209 SIZE 2 151.055 -0.279586 150.496 628.496	50 19 140 209 TIME 100.656
REUSED OBJI StringToFloat (3 FileCheck (4B) LinearRegressio REUSED TOT Estimated Object Regression Para Regression Para Estimated New a Estimated Total Estimated Total	ECTS BB) In (4A) TAL (R) => et LOC (E): meters: meters: and Changed LC LOC: New Reuse (sur	=> => = OC (N): m of * LOC)	$E = BA + NO + \beta_0$ (size and ting $A = \beta_0 + \beta_1$) $E = BA + NO + \beta_0$ $E = BA + NO + \beta_0$ $E = BA + NO + \beta_0$ $A = B + B + B + B + B + B + B + B + B + B$	=> => M me) me) E - M + R	50 19 140 209 SIZE 2 151.055 -0.279586 150.496 628.496	50 19 140 209 TIME 100.656 0.024859
REUSED OBJI StringToFloat (3 FileCheck (4B) LinearRegressio REUSED TOT Estimated Object Regression Para Regression Para Estimated New a Estimated Total Estimated Total	ECTS BB) on (4A) TAL (R) => et LOC (E): meters: meters: and Changed LC LOC: New Reuse (sur Development T e:	=> => = OC (N): m of * LOC)	$E = BA + NO + \beta_0 \text{ (size and tiped)}$ $\beta_1 \text{ (size and tiped)}$ $N = \beta_0 + \beta_1 *$ $T = N + B - D - C$ $Time = \beta_0 + \beta$	=> => M me) me) E - M + R	50 19 140 209 SIZE 2 151.055 -0.279586 150.496 628.496 0	50 19 140 209 TIME 100.656 0.024859
REUSED OBJI StringToFloat (3 FileCheck (4B) LinearRegressio REUSED TOT Estimated Object Regression Para Regression Para Estimated New a Estimated Total Estimated Total Estimated Total Prediction Range	ECTS BB) on (4A) TAL (R) => et LOC (E): meters: meters: and Changed LC LOC: New Reuse (sur Development T e: in Interval:	=> => = OC (N): m of * LOC)	E > E > E > E > E > E > E > E > E > E >	=> => M me) me) E - M + R	50 19 140 209 SIZE 2 151.055 -0.279586 150.496 628.496 0	50 19 140 209 TIME 100.656 0.024859 100.705 28.445

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