PSP0 Project Plan Summary

Student	Gustavo Spadotto Jardim	Date	09/09/2020
Program	Mean & Std. Dev.	Program #	01
Instructor	Margrit Krug	Language	Python

Time in Phase (min.)	**Plan**	**Actual**	**To Date**	**To Date %**
Planning	15	10	10	100
Design	30	24	24	100
Code	90	60	75	125
Compile	10	22	30	136.36
Test	30	27	27	100
Postmortem	30	38	38	126.66
Total	205	181	181	88.29

Defects Injected		**Actual**	**To Date**	**To Date %**
Planning				
Design				
Code				
Compile		4	4	100
Test		2	2	100
Total Development		6	6	100

Defects Removed		**Actual**	**To Date**	**To Date %**
Planning				
Design				
Code				
Compile		4	4	100
Test		2	2	100
Total Development		6	6	100
After Development		1	1	100

PSP0 Plan Summary Instructions

Purpose	To hold the plan and actual data for programs or program parts
General	"To Date" is the total actual to-date values for all products developed.
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.
Time in Phase	- Enter the estimated total development time. - 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.
Defects Injected	- 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	- 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.

PSP Time Recording Log

Student _____ Date 09/09/2020
Program _____ Program # _____
Instructor _____ Language _____

Project	Phase	Start Date and Time	Int. Time	Stop Date and Time	Delta Time	Comments
	Plan.	09:00		09:10	10	Decided language to work
	Design	09:15		09:39	24	Designed program flowchart
	Code	09:40		10:40	60	Coded great part of the program
	Compile	10:45		11:07	22	Compiled and corrected execution issues
	Test	11:10		11:37	27	Wrote tests using the given scenarios and corrected logic issues
	Code	11:40		11:55	15	Performed some enhancements to the input taking
	Compile	12:00		12:08	8	Compiled a few times again just to make sure that the enhancements were ok
	Postmortem	13:10		13:48	38	Logged data from postmortem phase

Time Recording Log Instructions

Purpose	- Use this form to record the time you spend on each project activity. - For the PSP, phases often have only one activity; larger projects usually have multiple activities in a single process phase. - These data are used to complete the Project Plan Summary. - Keep separate logs for each program.
General	- Record all of the time you spend on the project. - Record the time in minutes. - Be as accurate as possible. - If you need additional space, use another copy of the form. - If you forget to record the starting, stopping, or interruption time for an activity, promptly enter your best estimate.
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.
Project	Enter the program name or number.
Phase	Enter the name of the phase for the activity you worked on, e.g. Planning, Design, Test.
Start Date and Time	Enter the date and time when you start working on a process activity.
Interruption Time	- Record any interruption time that was not spent on the process activity. - If you have several interruptions, enter their total time. - You may enter the reason for the interrupt in comments.
Stop Date and Time	Enter the date and time when you stop working on that process activity.
Delta Time	Enter the clock time you actually spent working on the process activity, less the interruption time.
Comments	Enter any other pertinent comments that might later remind you of any unusual circumstances regarding this activity.

PSP Defect Recording Log

Defect Types	
10 Documentation	60 Checking
20 Syntax	70 Data
30 Build, Package	80 Function
40 Assignment	90 System
50 Interface	100 Environment

Student _____ Date 09/09/2020
Program _____ Program # _____
Instructor _____ Language _____

Project	Date	Number	Type	Inject	Remove	Fix Time	Fix Ref.
		1	70	Code	Compile	10:45 - 11:07	X

Description: Cannot convert string to float

Project	Date	Number	Type	Inject	Remove	Fix Time	Fix Ref.
		2	80	Code	Compile	10:45 - 11:07	X

Description: None has no attribute or function called next

Project	Date	Number	Type	Inject	Remove	Fix Time	Fix Ref.
		3	70	Code	Compile	10:45 - 11:07	X

Description: Cannot convert string to float

Project	Date	Number	Type	Inject	Remove	Fix Time	Fix Ref.
		4	70	Code	Compile	10:45 - 11:07	X

Description: String expected. Found a float.

Project	Date	Number	Type	Inject	Remove	Fix Time	Fix Ref.
		5	20	Code	Compile	10:45 - 11:07	X

Description: No attribute called “next nod” found

Project	Date	Number	Type	Inject	Remove	Fix Time	Fix Ref.
		6	80	Code	Test	11:10 - 11:37	X

Description: Program was allowing the addition of any input to the linked list

Project	Date	Number	Type	Inject	Remove	Fix Time	Fix Ref.
		7	80	Code	After Dev.	11:10 - 11:37	X

Description: Program would not proceed to the next steps if the user didn’t write exactly “next” in lowercase.

Project	Date	Number	Type	Inject	Remove	Fix Time	Fix Ref.

Description:

PSP Defect Recording Log Instructions

Purpose	- Use this form to hold data on the defects that you find and correct. - These data are used to complete the Project Plan Summary form.
General	- Record each defect separately and completely. - If you need additional space, use another copy of the form.
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.
Project	- Give each program a different name or number. - For example, record test program defects against the test program.
Date	Enter the date on which you found the defect.
Number	- Enter the defect number. - For each program or module, use a sequential number starting with 1 (or 001, etc.).
Type	- Enter the defect type from the defect type list summarized in the top left corner of the form. - Use your best judgment in selecting which type applies.
Inject	- Enter the phase when this defect was injected. - Use your best judgment.
Remove	Enter the phase during which you fixed the defect. (This will generally be the phase when you found the defect.)
Fix Time	- Enter the time that you took to find and fix the defect. - This time can be determined by stopwatch or by judgment.
Fix Ref.	- If you or someone else injected this defect while fixing another defect, record the number of the improperly fixed defect. - If you cannot identify the defect number, enter an X.
Description	Write a succinct description of the defect that is clear enough to later remind you about the error and help you to remember why you made it.

PSP Defect Type Standard

Type Number	Type Name	Description
10	Documentation	Comments, messages
20	Syntax	Spelling, punctuation, typos, instruction formats
30	Build, Package	Change management, library, version control
40	Assignment	Declaration, duplicate names, scope, limits
50	Interface	Procedure calls and references, I/O, user formats
60	Checking	Error messages, inadequate checks
70	Data	Structure, content
80	Function	Logic, pointers, loops, recursion, computation, function defects
90	System	Configuration, timing, memory
100	Environment	Design, compile, test, or other support system problems