

SSN COLLEGE OF ENGINEERING

UIT2201 — Programming and Data Structures

PSP Exercise — 01

U. PRANAAV

Table C14 PSP0 Project Plan Summary

Student	U. Pranaav	Date	11.04.2023
Program	text_count.py	Program #	PSP0-Ex-01
Instructor	Dr. K. S. Gayathri	Language	Python

Time in Phase (min.)	Plan	Actual	To Date	To Date %
Planning	50	70	70	17.94
Design	90	100	170	43.59
Code	120	140	310	78.05
Compile	-	-	-	-
Test	70	80	390	100.00
Postmortem	-	-	-	-
Total	330	390	390	100.00

Defects Injected	Actual	To Date	To Date %
Planning	1	1	9.09
Design	2	3	27.27
Code	5	8	72.72
Compile	-	-	-
Test	3	11	100.00
Total Development	11	11	100.00

Defects Removed	Actual	To Date	To Date %
Planning	1	1	9.09
Design	2	3	27.27
Code	5	8	72.72
Compile	-	-	-
Test	3	11	100.00
Total Development	11	11	100.00
After Development			

[illegible]

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

Table C18 Defect Recording Log

Student	U. Pranaav				Date	11.04.2023
Instructor	Dr. K. S. Gayathri				Program #	PSP0-Ex-01
Date	Number	Type	Inject	Remove	Fix Time	Fix Defect
11.04.2023	30	Package	Coding.	Testing.	30 minutes	80
Description:	Trying to use package glob to read text files but found out it was easier to use the os Module to read text files recursively. Removing the import for glob resulted in a section of a function Being rendered unused, which was later rectified and removed.					
Date	Number	Type	Inject	Remove	Fix Time	Fix Defect
11.04.2023	80	Function	Coding.	Coding.	20 minutes	10
Description:	When the glob package was removed, it resulted in a section of the code not being used which was rectified by altering the section of the code to accommodate the newer more efficient method for rendering and writing the text files.					
Date	Number	Type	Inject	Remove	Fix Time	Fix Defect
11.04.2023	10	Documentation	Coding.	Coding.	5 minutes	None
Description:	Re writing documentation.					
Date	Number	Type	Inject	Remove	Fix Time	Fix Defect
11.04.2023	80	Function	Coding.	Testing.	30 minutes	70
Description:	Received an error: Unicode error, due to which files were not being read properly hence Code needed to be modified by adding in encoding='utf-8' to prevent any errors.					
Date	Number	Type	Inject	Remove	Fix Time	Fix Defect
12.04.2023	70	Data	Coding.	Testing.	40 minutes	None
Description:	Fixing the Unicode error lead to error in reading data in files and writing them into a text File properly. Error was fixed by typecasting the writing contents into str before using the writing into text files.					
Date	Number	Type	Inject	Remove	Fix Time	Fix Defect
16.04.2023	20	Syntax	Testing.	Testing.	1 minute	None
Description:	Syntax issues arising due to missing ')'					
Date	Number	Type	Inject	Remove	Fix Time	Fix Defect
17.04.2023	10	Documentation	Coding.	Coding.	10 minutes	None
Description:	Writing appropriate documentation and editing invalid documentations.					
Date	Number	Type	Inject	Remove	Fix Time	Fix Defect
17.04.2023	80	Function	Testing.	Testing.	20 minutes	None
Description:	A function was performing additional operations that were unnecessary and consumed excess time, the code was modified and excess operations were removed to optimize code.					