**Table C14 PSP0 Project Plan Summary**

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| Student | Harishraj S | Date | 21-04-2023 |
| Program | PSP0 | Program # | 1 |
| Instructor | Sripriya N | Language | Python |

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| **Time in Phase (min.)** | Plan |  | **Actual** |  | **To Date** |  | **To Date %** |
| Planning | 30 mins |  | 13 mins |  | 13 mins |  | 5.99 |
| Design | 120 mins |  | 42 mins |  | 42 mins |  | 19.35 |
| Code | 120 mins |  | 80 mins |  | 80 mins |  | 36.866 |
| Compile | 10 mins |  | 17 mins |  | 17 mins |  | 7.834 |
| Test | 100 mins |  | 65 mins |  | 65 mins |  | 29.9539 |
| Postmortem | 20 mins |  | 0 min |  | 0 mins |  | 0 |
| Total | 400 mins |  | 217 mins |  | 217 mins |  | 100 |
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| **Defects Injected** |  |  | **Actual** |  | **To Date** |  | **To Date %** |
| Planning | 0 |  | 0 |  | 0 |  | 0 |
| Design | 0 |  | 0 |  | 0 |  | 0 |
| Code | 0 |  | 0 |  | 0 |  | 0 |
| Compile | 0 |  | 2 |  | 2 |  | 66.66 |
| Test | 0 |  | 1 |  | 1 |  | 33.33 |
| Total Development | 0 |  | 3 |  | 3 |  | 100 |
|  |  |  |  |  |  |  |  |
| **Defects Removed** |  |  | **Actual** |  | **To Date** |  | **To Date %** |
| Planning | 0 |  | 0 |  | 0 |  | 0 |
| Design | 0 |  | 0 |  | 0 |  | 0 |
| Code | 0 |  | 0 |  | 0 |  | 0 |
| Compile | 0 |  | 1 |  | 1 |  | 50 |
| Test | 0 |  | 1 |  | 1 |  | 50 |
| Total Development | 0 |  | 2 |  | 2 |  | 100 |
| After Development | 0 |  | 1 |  | 1 |  |  |

**Table C16 Time Recording Log**

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| Student | | Harishraj S | | | | Date | | 21-04-2023 | |
| Instructor | | Sripriya N | | | | Program # | | 1 | |
|  | |  | | | |  | |  | |
| **Date** | **Start** | **Stop** | **Interruption**  **Time** | **Delta**  **Time** | **Phase** | | **Comments** | |
| 21-04-2023 | 11.45 | 12.00 | 2 mins (attendence) | 13 mins | Planning | | Got a rough idea of modules to use here | |
|  | 12.00 | 12.28 | 3 mins | 25 mins | Coding | | Code for histogram and getting the unique words in a file and write in a new file | |
| 23-04-2023 | 10.42 | 11.27 | 3 mins (water break) | 42 mins | Design | | Going through how to use os module and access directories | |
|  | 11.35 | 11.48 | 0 | 13 mins | Coding | | For accessing all files in a extracted zip folder | |
|  | 13.30 | 14.00 | 0 | 30 mins | Coding | | Used recursion to make a list of paths of all files in that extracted zip file | |
|  | 14.00 | 14.13 | 3 mins | 10 mins | Compilation | | No errors | |
|  | 14.28 | 14.40 | 0 | 12 mins | Coding | |  | |
|  | 14.45 | 14.52 | 0 | 7 mins | Compilation | | Permission error & UnicodeDecodeError | |
|  | 18.38 | 19.18 | 0 | 40 mins | Testing | | Permission error resolved & runtime was reduced. | |
| 30-04-2023 | 22.00 | 22.25 | 0 | 25 mins | Testing | | FileNotFoundError was arised. Used exception handling | |
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**Table C18 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**

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| Student | | | | Harishraj S | | | | | | | | Date | | 21-04-2023 | |
| Instructor | | | | Sripriya N | | | | | | | | Program # | | 1 | |
| Date |  | Number | | |  | Type |  | Inject |  | Remove |  | | Fix Time |  | Fix Defect |
| 23-04-2023 |  | 1 | | |  | 60 |  | Compile |  | Testing |  | | 40 mins |  | - |
| **Description**: | | | Permission error : Resolved by writing “errors = ‘ignore’” in open() | | | | | | | | | | | | |
| Also by making a new function for opening the file alone, so removing the option of opening and closing the words and word-histogram file repeatedly | | | | | | | | | | | | | | | |
| Runtime was reduced by reducing the number of times a function is called | | | | | | | | | | | | | | | |
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| Date |  | Number | | |  | Type |  | Inject |  | Remove |  | | Fix Time |  | Fix Defect |
| 23-04-2023 |  | 2 | | |  | 70 |  | Compile |  | Compile |  | | 7 mins |  | - |
| Description: | | | UnicodeEncodeError : By “errors = “ignore”” and by using isalpha in histogram-words-maker | | | | | | | | | | | | |
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| Date |  | Number | | |  | Type |  | Inject |  | Remove |  | | Fix Time |  | Fix Defect |
| 30-04-2023 |  | 3 | | |  | 70 |  | Testing |  | Testing |  | | 2 mins |  | - |
| Description: | | | FileNotFoundError was induced due to a deletion of homefolder. So used exception handling to take care of that. | | | | | | | | | | | | |
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