**Table C14 PSP0 Project Plan Summary**

|  |  |  |  |
| --- | --- | --- | --- |
| Student | R.Nithyasri | Date | 11/07/2023 |
| Program | PSP0 | Program # | -\*-coding:utf-8 -\*- |
| Instructor | Dr.K.S Gayathri | Language | Python3 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Time in Phase (min.)** | Plan |  | **Actual** |  | **To Date** |  | **To Date %** |
| Planning | 1.Iterate through the root dictionary and its files |  | 55 |  | 55 |  | 13.25% |
| Design | 2. Store the contents into words.txt |  | 75 |  | 75 |  | 18.07% |
| Code | 3. Use dictionaries for frequency count and store it in word\_histogram.txt |  | 145 |  | 145 |  | 34.90% |
| Compile | 4.Read the above files and check for words that start with ‘prefix” and store it in a dictionary |  | ----------- |  | ------------ |  | ------------- |
| Test | 5.Sort through the dictionary and display the contents |  | 110 |  | 110 |  | 26.50% |
| Postmortem |  |  | 30 |  | 30 |  | 7.22% |
| Total |  |  | 415 |  | 415 |  | 100% |
|  |  |  |  |  |  |  |  |
| **Defects Injected** |  |  | **Actual** |  | **To Date** |  | **To Date %** |
| Planning |  |  | ---------- |  | ------------- |  | ------------- |
| Design |  |  | 2 |  | 2 |  | 25% |
| Code |  |  | 3 |  | 3 |  | 37.5% |
| Compile |  |  | ----------- |  | ------------- |  | ------------- |
| Test |  |  | 3 |  | 3 |  | 37.5% |
| Total Development |  |  | 8 |  | 8 |  | 100% |
|  |  |  |  |  |  |  |  |
| **Defects Removed** |  |  | **Actual** |  | **To Date** |  | **To Date %** |
| Planning |  |  | ------------ |  | ------------- |  | ------------ |
| Design |  |  | 2 |  | 2 |  | 25% |
| Code |  |  | 3 |  | 3 |  | 37.5% |
| Compile |  |  | ------------ |  | ------------- |  | ------------- |
| Test |  |  | 3 |  | 3 |  | 37.5% |
| Total Development |  |  | 8 |  | 8 |  | 100% |
| After Development |  |  | Nil |  | Nil |  |  |

**Table C16 Time Recording Log**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Student | | R.Nithyasri | | | | Date | 11/04/2023 |
| Instructor | | Dr.K.S Gayathri | | | | Program # | PSP0 |
|  | |  | | | |  |  |
| **Date** | **Start** | **Stop** | **Interruption**  **Time** | **Delta**  **Time** | **Phase** | **Comments** | |
| 11/04/23 | 10.35 am | 11.45  am | 15 minutes | 55 min | Planning | A systematic logic to deal with the problem statement was formulated and research on the methods to be implemented was used. | |
| 13/04/23 | 7.00 pm | 8.25 pm | 10 minutes | 75 min | Design | A test code making use of a sample text file was designed as a model for further large-scale execution. | |
| 15/04/23 | 9.30 pm | 11.15 pm | 25 minutes | 80 min | Coding Phase-1 | The final code was developed for the first part of the problem statement. | |
| 15/04/23 | 6.15 pm | 8.45 pm | 55 minutes | 65 min | Coding Phase-2 | The final code was developed for the remaining part of the problem statement | |
| 16/04/23 | 1.30 pm | 3.40 pm | 20 minutes | 110 minutes | Test cum Debugging | The errors and bugs found within the code were removed to ensure a full-fledged functioning of the code. | |
| 17/04/23 | 8.00 pm | 9.00 pm | 30 minutes | 30  minutes | Postmortem | To Ensure the final-proper functioning of the code along with a comprehensible program code. | |
|  |  |  |  |  |  |  | |

**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**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Student | | | | R.Nithyasri | | | | | | | | Date | | 13/04/2023 | |
| Instructor | | | | Dr.K.S Gayathri | | | | | | | | Program # | | PSP0 | |
| Date |  | Number | | |  | Type |  | Inject |  | Remove |  | | Fix Time |  | Fix Defect |
| 13/04/23 |  | 1 | | |  | 50 |  | Design |  | Design |  | | 5 min |  |  |
| Description: | | | An error of the file being absent in the root directory was raised and fixed. | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | |
| Date |  | Number | | |  | Type |  | Inject |  | Remove |  | | Fix Time |  | Fix Defect |
| 13/04/23 |  | 2 | | |  | 20 |  | Design |  | Design |  | | 10 min |  | 1 |
| Description: | | | Multiple copies of the source content were written in the destination file. Changes were | | | | | | | | | | | | |
| made in the source code to rectify the same. | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | |
| Date |  | Number | | |  | Type |  | Inject |  | Remove |  | | Fix Time |  | Fix Defect |
| 15/04/23 |  | 3 | | |  | 60 |  | Coding |  | Coding |  | | 3 min |  |  |
| Description: | | | Wrong slice range assignment for checking text files condition. | | | | | | | | | | | | |
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| Date |  | Number | | |  | Type |  | Inject |  | Remove |  | | Fix Time |  | Fix Defect |
| 15/04/23 |  | 4 | | |  | 20 |  | Coding |  | Coding |  | | 5 min |  |  |
| Description: | | | Not storing the contents of split( ) into a variable for access to the list of words | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | |
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| Date |  | Number | | |  | Type |  | Inject |  | Remove |  | | Fix Time |  | Fix Defect |
| 16/04/23 |  | 5 | | |  | 20 |  | Coding |  | Coding |  | | 2 min |  |  |
| Description: | | | Use of ‘in’ method instead of ‘not in’ for word check in the dictionary. | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | |
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| Date |  | Number | | |  | Type |  | Inject |  | Remove |  | | Fix Time |  | Fix Defect |
| 16/04/23 |  | 6 | | |  | 40 |  | Coding |  | Testing |  | | 2 min |  |  |
| Description: | | | Use of comparison operator ‘==’ instead of ‘=’ for assignment of a value ’prefix’ to a | | | | | | | | | | | | |
| variable ‘word’ | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | |
| Date |  | Number | | |  | Type |  | Inject |  | Remove |  | | Fix Time |  | Fix Defect |
| 16/04/23 |  | 7 | | |  | 10 |  | Testing |  | Testing |  | | 7 min |  |  |
| Description: | | | Unicode error during the processing of docstrings within the code. | | | | | | | | | | | | |
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| Date |  | Number | | |  | Type |  | Inject |  | Remove |  | | Fix Time |  | Fix Defect |
| 16/04/23 |  | 8 | | |  | 50 |  | Testing |  | Testing |  | | 15 min |  |  |
| Description: | | | Consideration of ‘\n’ characters in the check condition statement for words starting with | | | | | | | | | | | | |
| ‘prefix’ | | | | | | | | | | | | | | | |
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| Date |  | Number | | |  | Type |  | Inject |  | Remove |  | | Fix Time |  | Fix Defect |
|  |  |  | | |  |  |  |  |  |  |  | |  |  |  |
| Description: | | |  | | | | | | | | | | | | |
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