**Table C16 Time Recording Log**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Student | | P.L. Singaram | | | | Date | | 22/04/23 |
| Instructor | | Dr. S. Karthika/Ms. J. K. Josephine Julina | | | | Program # | | 2 |
|  | |  | | | |  | |  |
| **Date** | **Start** | **Stop** | **Interruption**  **Time** | **Delta**  **Time** | **Phase** | | **Comments** | |
| 21/04/23 | 9:11 | 9:30 | 5 | 14 | Planning | | It was a easy plan. | |
| 21/04/23 | 9:31 | 10:30 | 20 | 39 | Design | | No defects were found. | |
| 21/04/23 | 11:00 | 17:20 | 90 | 290 | Code | | No defects were found. | |
| 21/04/23 | 18:00 | 18:15 | 15 | - | Compile | | Compiling was fast. | |
| 21/04/23 | 18:15 | 18:45 | 0 | 30 | Test | | 1 defect was found and got rectified | |
| 21/04/23 | 18:45 | 19:00 | 0 | 15 | Postmortem | | Test results are in another txt file | |
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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**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Student | | | | P.L. Singaram | | | | | | | | Date | | 22/04/23 | |
| Instructor | | | | Dr. S. Karthika/Ms. J. K. Josephine Julina | | | | | | | | Program # | | 2 | |
| Date |  | Number | | |  | Type |  | Inject |  | Remove |  | | Fix Time |  | Fix Defect |
| 22/04/23 |  | 1 | | |  | 60 |  | test |  | test |  | | 5 |  | x |
| Description: | | | Unable to exclude multiline comment, indexing was wrong and function calling. | | | | | | | | | | | | |
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| Date |  | Number | | |  | Type |  | Inject |  | Remove |  | | Fix Time |  | Fix Defect |
| 22/04/23 |  | 2 | | |  | 70 |  | test |  | test |  | | 10 |  | x |
| Description: | | | Returning statement was wrong. | | | | | | | | | | | | |
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| Date |  | Number | | |  | Type |  | Inject |  | Remove |  | | Fix Time |  | Fix Defect |
| 22/04/23 |  | 3 | | |  | 80 |  | test |  | test |  | | 5 |  | x |
| Description: | | | Unable to return multiline comments end line value. Rectified by creating a separate | | | | | | | | | | | | |
| function. | | | | | | | | | | | | | | | |
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| Date |  | Number | | |  | Type |  | Inject |  | Remove |  | | Fix Time |  | Fix Defect |
| 22/04/23 |  | 4 | | |  | 70 |  | test |  | test |  | | 5 |  | 3 |
| Description: | | | Fixed by using return statement of the new function to return new value. | | | | | | | | | | | | |
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| Date |  | Number | | |  | Type |  | Inject |  | Remove |  | | Fix Time |  | Fix Defect |
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| Description: | | |  | | | | | | | | | | | | |
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| Date |  | Number | | |  | Type |  | Inject |  | Remove |  | | Fix Time |  | Fix Defect |
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| Description: | | |  | | | | | | | | | | | | |
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| Date |  | Number | | |  | Type |  | Inject |  | Remove |  | | Fix Time |  | Fix Defect |
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| Description: | | |  | | | | | | | | | | | | |
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| Description: | | |  | | | | | | | | | | | | |
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**Table C25 PSP0.1 Project Plan Summary**

|  |  |  |  |
| --- | --- | --- | --- |
| Student | P.L. Singaram | Date | 22/04/23 |
| Program | PSP0.1 (LOC) | Program # | 2 |
| Instructor | Dr. S. Karthika/Ms. J. K. Josephine Julina | Language | Python |

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Program Size (LOC)*** | ***Plan*** | | |  | ***Actual*** | | |  | ***To Date*** | | |
| ***Base(B)*** | ***0*** | | |  | ***0*** | | |  | ***0*** | | |
|  |  | | |  | ***(Measured)*** | | |  |  | | |
| ***Deleted (D)*** | ***0*** | | |  | ***0*** | | |  | ***0*** | | |
|  |  | | |  | ***(Counted)*** | | |  |  | | |
| ***Modified (M)*** | ***0*** | | |  | ***0*** | | |  | ***0*** | | |
|  |  | | |  | ***(Counted)*** | | |  |  | | |
| ***Added (A)*** | ***215*** | | |  | ***164*** | | |  | ***201*** | | |
|  |  | | |  | ***(T-B+D-R)*** | | |  |  | | |
| ***Reused (R)*** | ***0*** | | |  | ***0*** | | |  | ***0*** | | |
|  |  | | |  | ***(Counted)*** | | |  |  | | |
| ***Total New & Changed (N)*** | ***0*** | | |  | ***0*** | | |  | ***0*** | | |
|  |  | | |  | ***(A+M)*** | | |  |  | | |
| ***Total LOC (T)*** | ***215*** | | |  | ***164*** | | |  | ***201*** | | |
|  |  | | |  | ***(Measured)*** | | |  |  | | |
| ***Total New Reused*** | ***100*** | | |  | ***135*** | | |  | ***135*** | | |
|  |  | | |  |  | | |  |  | | |
| **Time in Phase (min.)** | ***Plan*** |  | **Actual** | | |  | **To Date** | | |  | **To Date %** |
| Planning | 20 |  | 14 | | |  | 25 | | |  | 56 |
| Design | 15 |  | 39 | | |  | 55 | | |  | 70.9 |
| Code | 50 |  | 290 | | |  | 321 | | |  | 90.34 |
| Compile | - |  | - | | |  | - | | |  | 0 |
| Test | 20 |  | 30 | | |  | 61 | | |  | 49.18 |
| Postmortem | 20 |  | 15 | | |  | 43 | | |  | 34.88 |
| Total | 130 |  | 388 | | |  | 512 | | |  | 75.78 |
|  |  |  |  | | |  |  | | |  |  |
| **Defects Injected** |  |  | **Actual** | | |  | **To Date** | | |  | **To Date %** |
| Planning |  |  | 0 | | |  | 0 | | |  | 0 |
| Design |  |  | 0 | | |  | 0 | | |  | 0 |
| Code |  |  | 0 | | |  | 0 | | |  | 0 |
| Compile |  |  | 0 | | |  | 0 | | |  | 0 |
| Test |  |  | 4 | | |  | 8 | | |  | 50 |
| Total Development |  |  | 4 | | |  | 8 | | |  | 50 |
|  |  |  |  | | |  |  | | |  |  |
| **Defects Removed** |  |  | **Actual** | | |  | **To Date** | | |  | **To Date %** |
| Planning |  |  | 0 | | |  | 0 | | |  | 0 |
| Design |  |  | 0 | | |  | 0 | | |  | 0 |
| Code |  |  | 0 | | |  | 0 | | |  | 0 |
| Compile |  |  | 0 | | |  | 0 | | |  | 0 |
| Test |  |  | 4 | | |  | 8 | | |  | 50 |
| Total Development |  |  | 4 | | |  | 8 | | |  | 50 |
| After Development |  |  | - | | |  | - | | |  |  |

**Table C27 Process Improvement Proposal (PIP)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Student | P.L. Singaram | | Date | 22/04/23 |
| Instructor | Dr. S. Karthika/Ms. J. K. Josephine Julina | | Program # | 2 |
| Process | PSP0.1 | Elements | - | |

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| --- | --- | --- |
| **PIP Number** | | |
|  |  | **Problem Description:** | |
| 1 |  | It is hard to calculate time for each phase. | |
| 2 |  | PSP0.1 process is a little bit tiring to do. | |
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| **PROPOSAL** | | |
| **PIP #** |  | **Proposal Description** | |
| 1 |  | Time for certain phases such as compile can be removed. | |
| 2 |  | An example of PSP0.1 form can be given to students for reference. | |
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| **Notes and Comments:** | | |
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