**Table C16 Time Recording Log**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Student | | U. Pranaav | | | | Date | | 18.04.2023 |
| Instructor | | Dr. K. S. Gayathri | | | | Program # | | PSP0.1-Ex-02 |
|  | |  | | | |  | |  |
| **Date** | **Start** | **Stop** | **Interruption**  **Time** | **Delta**  **Time** | **Phase** | | **Comments** | |
| 18.04.2023 | 10:00 | 11:00 |  | 60 minutes | Planning | | Trying to find most effective way to solve question. | |
| 18.04.2023 | 11:00 | 12:35 | 5 minutes | 90 minutes | Designing | |  | |
| 18.04.2023 | 18:00 | 19:30 | 10 minutes | 80 minutes | Coding | |  | |
| 19.04.2023 | 21:00 | 23:00 | 10 minutes | 110 minutes | Coding | |  | |
| 21.04.2023 | 18:30 | 19:30 | 5 minutes | 55 minutes | Testing | |  | |
| 21.04.2023 | 20:15 | 21:30 | 10 minutes | 65 minutes | Debugging | |  | |
| 21.04.2023 | 21:30 | 22:00 |  | 30 minutes | Testing | |  | |
| 23.04.2023 | 9:00 | 10:00 | 10 minutes | 50 minutes | Coding | |  | |
| 24.04.2023 | 19:00 | 19:20 |  | 20 minutes | Testing | |  | |
| 25.04.2023 | 10:30 | 11:45 | 10 minutes | 65 minutes | Coding | |  | |
| 25.04.2023 | 11:45 | 12:00 |  | 15 minutes | Testing | |  | |
| 29.04.2023 | 18:00 | 18:30 |  | 30 minutes | Coding | |  | |
| 30.04.2023 | 19:00 | 20:00 |  | 60 minutes | Debugging and testing. | | Final testing and debugging. | |
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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 | | | | U. Pranaav | | | | | | | | Date | | 18.04.2023 | |
| Instructor | | | | Dr. K. S. Gayathri | | | | | | | | Program # | | PSP0.1-Ex-02 | |
| Date |  | Number | | |  | Type |  | Inject |  | Remove |  | | Fix Time |  | Fix Defect |
| 21.04.2023 |  | 80 | | |  | Function |  | Coding |  | Testing |  | | 20 minutes |  |  |
| Description: | | | Number of lines in a function was being incorrectly read. | | | | | | | | | | | | |
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| Date |  | Number | | |  | Type |  | Inject |  | Remove |  | | Fix Time |  | Fix Defect |
| 29.04.23 |  | 20 | | |  | Syntax |  | Coding |  | Testing |  | | 30 minutes |  |  |
| Description: | | | Syntax for reading file was written wrong | | | | | | | | | | | | |
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| Date |  | Number | | |  | Type |  | Inject |  | Remove |  | | Fix Time |  | Fix Defect |
| 30.04.23 |  | 70 | | |  | Data |  | Coding |  | Coding |  | | 80 minutes |  |  |
| Description: | | | File permission error unable to remove, but fully fixed. | | | | | | | | | | | | |
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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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| Date |  | Number | | |  | Type |  | Inject |  | Remove |  | | Fix Time |  | Fix Defect |
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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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**Table C25 PSP0.1 Project Plan Summary**

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| --- | --- | --- | --- |
| Student | U. Pranaav | Date | 18.04.2023 |
| Program | LOC.py | Program # | PSP0.1-Ex-02 |
| Instructor | Dr. K. S. Gayathri | Language | Python |

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Program Size (LOC)*** | ***Plan*** | | |  | ***Actual*** | | |  | ***To Date*** | | |
| ***Base(B)*** |  | | |  | ***177*** | | |  |  | | |
|  |  | | |  | ***(Measured)*** | | |  |  | | |
| ***Deleted (D)*** |  | | |  | ***20*** | | |  |  | | |
|  |  | | |  | ***(Counted)*** | | |  |  | | |
| ***Modified (M)*** |  | | |  | ***50*** | | |  |  | | |
|  |  | | |  | ***(Counted)*** | | |  |  | | |
| ***Added (A)*** |  | | |  | ***47*** | | |  |  | | |
|  |  | | |  | ***(T-B+D-R)*** | | |  |  | | |
| ***Reused (R)*** | ***0*** | | |  | ***0*** | | |  |  | | |
|  |  | | |  | ***(Counted)*** | | |  |  | | |
| ***Total New & Changed (N)*** |  | | |  | ***97*** | | |  |  | | |
|  |  | | |  | ***(A+M)*** | | |  |  | | |
| ***Total LOC (T)*** |  | | |  | ***204*** | | |  |  | | |
|  |  | | |  | ***(Measured)*** | | |  |  | | |
| ***Total New Reused*** |  | | |  | ***0*** | | |  |  | | |
|  |  | | |  |  | | |  |  | | |
| **Time in Phase (min.)** | ***Plan*** |  | **Actual** | | |  | **To Date** | | |  | **To Date %** |
| Planning | 60 |  | 60 | | |  | 130 | | |  | 46.15 |
| Design | 90 |  | 90 | | |  | 190 | | |  | 47.36 |
| Code | 220 |  | 335 | | |  | 475 | | |  | 70.53 |
| Compile | - |  | - | | |  | - | | |  | - |
| Test | 90 |  | 125 | | |  | 205 | | |  | 60.96 |
| Postmortem | - |  | - | | |  | - | | |  | - |
| Total | 460 |  | 610 | | |  | 1000 | | |  | 61.00 |
|  |  |  |  | | |  |  | | |  |  |
| **Defects Injected** |  |  | **Actual** | | |  | **To Date** | | |  | **To Date %** |
| Planning |  |  | 1 | | |  | 2 | | |  | 50.00 |
| Design |  |  | 2 | | |  | 4 | | |  | 50.00 |
| Code |  |  | 1 | | |  | 6 | | |  | 16.67 |
| Compile |  |  | - | | |  | - | | |  | - |
| Test |  |  | 2 | | |  | 5 | | |  | 40.00 |
| Total Development |  |  | 6 | | |  | 17 | | |  | 35.29 |
|  |  |  |  | | |  |  | | |  |  |
| **Defects Removed** |  |  | **Actual** | | |  | **To Date** | | |  | **To Date %** |
| Planning |  |  | 1 | | |  | 2 | | |  | 50.00 |
| Design |  |  | 2 | | |  | 4 | | |  | 50.00 |
| Code |  |  | 1 | | |  | 6 | | |  | 16.67 |
| Compile |  |  | - | | |  | - | | |  | - |
| Test |  |  | 2 | | |  | 5 | | |  | 40.00 |
| Total Development |  |  | 6 | | |  | 17 | | |  | 35.29 |
| After Development |  |  |  | | |  |  | | |  |  |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Student | U. Pranaav | | Date | 18.04.2023 |
| Instructor | Dr. K. S. Gayathri | | Program # | PSP0.1-Ex-02 |
| Process |  | Elements |  | |

|  |  |  |
| --- | --- | --- |
| **PIP Number** | | |
|  |  | **Problem Description:** | |
| 1. |  | Requirement for solving question can be ambiguous, needs to be clarified | |
|  |  | better. | |
| 2. |  | Time consuming while trying to fix errors which arise due to unique | |
|  |  | constraints. | |
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| **PROPOSAL** | | |
| **PIP #** |  | **Proposal Description** | |
| 1. |  | Examples can be provided in order to make it easier to understand given | |
|  |  | Question. | |
| 2. |  | Debugging by trying different approaches will help. | |
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| **Notes and Comments:** | | |
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