**Table C16 Time Recording Log**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Student | | Sahana Sree V | | | | | Date | 18.04.2023 |
| Instructor | | Dr.K S Gayathri | | | | | Program # | PSP0.1 |
|  | |  | | | | |  |  |
| **Date** | **Start** | **Stop** | **Interruption**  **Time** | **Delta**  **Time** | **Phase** | **Comments** | | |
| 18.04.2023 | 11:00 | 12:15 | 15 | 60 | Planning | The question and the requirement was deeply understood and the method to code was planned | | |
| 19.04.2023 | 6:30 | 8:30 | 30 | 90 | Design | The outline of the code was drawn | | |
| 21.04.2023 | 1:35 | 2:35 | 15 | 45 | Coding phase 1 | The first part of the code was designed | | |
| 21.04.2023 | 7:00 | 9:00 | 30 | 90 | Coding phase 2 | The other part was also designed and accomplished | | |
| 23.04.2023 | 9:00 | 10:00 | 10 | 50 | Compilation | Compiling the code was done where the errors were pointed out | | |
| 26.04.2023 | 8:00 | 9:30 | 10 | 80 | Test | The code was checked with different test cases | | |
| 27.04.2023 | 7:00 | 9:00 | 30 | 90 | Execution | The final code was completed after resolving the errors and checking the test cases | | |
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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 | | | | Sahana Sree V | | | | | | | | Date | | 18.04.2023 | |
| Instructor | | | | Dr K S Gayathri | | | | | | | | Program # | | Psp0.1 | |
| Date |  | Number | | |  | Type |  | Inject |  | Remove |  | | Fix Time |  | Fix Defect |
| 18.04.2023 |  | 4 | | |  | 60 |  | Planning |  | Planning |  | | Planning |  |  |
| Description: | | |  | | | | | | | | | | | | |
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| Date |  | Number | | |  | Type |  | Inject |  | Remove |  | | Fix Time |  | Fix Defect |
| 19.04.2023 |  | 6 | | |  | 20 |  | Design |  | Design |  | | Design |  |  |
| Description: | | |  | | | | | | | | | | | | |
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| Date |  | Number | | |  | Type |  | Inject |  | Remove |  | | Fix Time |  | Fix Defect |
| 21.04.2023 |  | 5 | | |  | 60 |  | Coding phase 1 |  | Coding phase 1 |  | | Coding phase 1 |  |  |
| Description: | | |  | | | | | | | | | | | | |
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| Date |  | Number | | |  | Type |  | Inject |  | Remove |  | | Fix Time |  | Fix Defect |
| 23.04.2023 |  | 4 | | |  | 60 |  | Coding phase 2 |  | Coding phase 2 |  | | Coding phase 2 |  |  |
| Description: | | |  | | | | | | | | | | | | |
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| Date |  | Number | | |  | Type |  | Inject |  | Remove |  | | Fix Time |  | Fix Defect |
| 26.04.23 |  | 2 | | |  | 50 |  | Compilation |  | Compilation |  | | Compilation |  |  |
| Description: | | |  | | | | | | | | | | | | |
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| Date |  | Number | | |  | Type |  | Inject |  | Remove |  | | Fix Time |  | Fix Defect |
| 27.04.2023 |  | 9 | | |  | 60 |  | Test |  | Test |  | | Test |  |  |
| Description: | | |  | | | | | | | | | | | | |
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| Date |  | Number | | |  | Type |  | Inject |  | Remove |  | | Fix Time |  | Fix Defect |
|  |  | 1 | | |  | 50 |  | Execution |  | Execution |  | | Execution |  |  |
| Description: | | |  | | | | | | | | | | | | |
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| Date |  | Number | | |  | Type |  | Inject |  | Remove |  | | Fix Time |  | Fix Defect |
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**Table C25 PSP0.1 Project Plan Summary**

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| --- | --- | --- | --- |
| Student | Sahana Sree V | Date | 18.04.2023 |
| Program | Psp0.1 | Program # | Python3 |
| Instructor | Dr K S Gayathri | Language |  |

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| ***Program Size (LOC)*** | ***Plan*** | | |  | ***Actual*** | | |  | ***To Date*** | | |
| ***Base(B)*** |  | | |  | ***7907*** | | |  |  | | |
|  |  | | |  | ***(Measured)*** | | |  |  | | |
| ***Deleted (D)*** |  | | |  | ***2*** | | |  |  | | |
|  |  | | |  | ***(Counted)*** | | |  |  | | |
| ***Modified (M)*** |  | | |  | ***2*** | | |  |  | | |
|  |  | | |  | ***(Counted)*** | | |  |  | | |
| ***Added (A)*** |  | | |  | ***2*** | | |  |  | | |
|  |  | | |  | ***(T-B+D-R)*** | | |  |  | | |
| ***Reused (R)*** |  | | |  | ***1*** | | |  | ***2*** | | |
|  |  | | |  | ***(Counted)*** | | |  |  | | |
| ***Total New & Changed (N)*** |  | | |  | ***7908*** | | |  | ***7908*** | | |
|  |  | | |  | ***(A+M)*** | | |  |  | | |
| ***Total LOC (T)*** |  | | |  | ***7908*** | | |  | ***7908*** | | |
|  |  | | |  | ***(Measured)*** | | |  |  | | |
| ***Total New Reused*** |  | | |  | ***7908*** | | |  | ***7908*** | | |
|  |  | | |  |  | | |  |  | | |
| **Time in Phase (min.)** | ***Plan*** |  | **Actual** | | |  | **To Date** | | |  | **To Date %** |
| Planning | 15 |  | 10 | | |  | 20 | | |  | 8.16 |
| Design | 5 |  | 10 | | |  | 25 | | |  | 10.02 |
| Code | 50 |  | 70 | | |  | 145 | | |  | 59.18 |
| Compile | 5 |  | 5 | | |  | 20 | | |  | 8.16 |
| Test | 5 |  | 5 | | |  | 10 | | |  | 4.08 |
| Postmortem | 10 |  | 10 | | |  | 25 | | |  | 10.02 |
| Total | 90 |  | 110 | | |  | 245 | | |  | 100 |
|  |  |  |  | | |  |  | | |  |  |
| **Defects Injected** |  |  | **Actual** | | |  | **To Date** | | |  | **To Date %** |
| Planning |  |  | 0 | | |  | 0 | | |  | 0 |
| Design |  |  | 0 | | |  | 0 | | |  | 0 |
| Code |  |  | 0 | | |  | 0 | | |  | 0 |
| Compile |  |  | 5 | | |  | 10 | | |  | 50 |
| Test |  |  | 5 | | |  | 10 | | |  | 50 |
| Total Development |  |  | 10 | | |  | 20 | | |  | 100 |
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| **Defects Removed** |  |  | **Actual** | | |  | **To Date** | | |  | **To Date %** |
| Planning |  |  | 0 | | |  | 0 | | |  | 0 |
| Design |  |  | 0 | | |  | 0 | | |  | 0 |
| Code |  |  | 0 | | |  | 0 | | |  | 0 |
| Compile |  |  | 5 | | |  | 10 | | |  | 25 |
| Test |  |  | 5 | | |  | 10 | | |  | 25 |
| Total Development |  |  | 10 | | |  | 20 | | |  | 50 |
| After Development |  |  | 20 | | |  | 40 | | |  |  |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Student | Sahana Sree V | | Date | 18.04.2023 |
| Instructor | Dr K S Gayathri | | Program # | python3 |
| Process | Psp0.1 | Elements |  | |

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| --- | --- | --- |
| **PIP Number** | | |
|  |  | **Problem Description:** | |
| 1 |  | Handling various errors | |
| 2 |  | Improper planning | |
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| **PROPOSAL** | | |
| **PIP #** |  | **Proposal Description** | |
| 1 |  | Taking into consideration the time complexity while designing the code | |
| 2 |  | Better planning could have done before designing the code | |
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| **Notes and Comments:** | | |
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