**PSP1.1 Project Plan Summary**

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| --- | --- | --- | --- |
| Student | Sebastian Cardona Correa | Date | 16/02/2015 |
| Program | PSP 1.1 | Program # | 4 |
| Instructor | Luis Daniel Benavides Navarro | Language | Java |

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| **Summary** | **Plan** | | |  | **Actual** | | |  | **To Date** | | |
| Size/Hour |  | | |  |  | | |  |  | | |
| ***Planned Time*** |  | | |  |  | | |  |  | | |
| ***Actual Time*** |  | | |  |  | | |  |  | | |
| ***CPI (Cost-Performance Index)*** | | | |  |  | | |  |  | | |
|  |  | | |  |  | | |  | (Planned/Actual) | | |
| ***% Reused*** |  | | |  |  | | |  |  | | |
| ***% New Reusable*** |  | | |  |  | | |  |  | | |
|  |  | | |  |  | | |  |  | | |
| **Program Size** | **Plan** | | |  | **Actual** | | |  | **To Date** | | |
| Base (B) |  | | |  |  | | |  |  | | |
|  | (Measured) | | |  | (Measured) | | |  |  | | |
| Deleted (D) |  | | |  |  | | |  |  | | |
|  | (Estimated) | | |  | (Counted) | | |  |  | | |
| Modified (M) |  | | |  |  | | |  |  | | |
|  | (Estimated) | | |  | (Counted) | | |  |  | | |
| Added (A) |  | | |  |  | | |  |  | | |
|  | (A+M − M) | | |  | (T − B + D − R) | | |  |  | | |
| Reused (R) |  | | |  |  | | |  |  | | |
|  | (Estimated) | | |  | (Counted) | | |  |  | | |
| Added and Modified (A+M) |  | | |  |  | | |  |  | | |
|  | (Projected) | | |  | (A + M) | | |  |  | | |
| Total Size (T) |  | | |  |  | | |  |  | | |
|  | (A+M + B − M − D + R) | | |  | (Measured) | | |  |  | | |
| Total New Reusable |  | | |  |  | | |  |  | | |
|  |  | | |  |  | | |  |  | | |
| Estimated Proxy Size (E) |  | | |  |  | | |  |  | | |
|  |  | | |  |  | | |  |  | | |
| **Time in Phase (min.)** | **Plan** |  | **Actual** | | |  | **To Date** | | |  | **To Date %** |
| Planning |  |  | 10 | | |  | 38 | | |  | 26.32 |
| Design |  |  | 28 | | |  | 59 | | |  | 47.48 |
| Code |  |  | 161 | | |  | 404 | | |  | 39.86 |
| Compile |  |  | 0 | | |  | 0 | | |  | 0 |
| Test |  |  | 33 | | |  | 164 | | |  | 20.12 |
| Postmortem |  |  | 75 | | |  | 282 | | |  | 26.60 |
| Total | 304 |  |  | | |  |  | | |  |  |
|  |  | | |  |  | | |  |  | | |

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| **Defects Injected** |  |  | **Actual** | | |  | **To Date** | | |  | **To Date %** |
| Planning |  |  | 0 | | |  | 0 | | |  | 0 |
| Design |  |  | 1 | | |  | 1 | | |  | 100 |
| Code |  |  | 4 | | |  | 11 | | |  | 36.37 |
| Compile |  |  | 0 | | |  | 0 | | |  | 0 |
| Test |  |  | 4 | | |  | 6 | | |  | 66.67 |
| Total Development |  |  | 9 | | |  | 18 | | |  |  |
|  |  | | |  |  | | |  |  | | |
| **Defects Removed** |  |  | **Actual** | | |  | **To Date** | | |  | **To Date %** |
| Planning |  |  | 0 | | |  | 0 | | |  | 0 |
| Design |  |  | 1 | | |  | 1 | | |  | 100 |
| Code |  |  | 4 | | |  | 11 | | |  | 36.37 |
| Compile |  |  | 0 | | |  | 0 | | |  | 0 |
| Test |  |  | 4 | | |  | 6 | | |  | 66.67 |
| Total Development |  |  | 9 | | |  | 18 | | |  |  |
| After Development |  |  |  | | |  |  | | |  |  |

Size Estimating Template

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | Estimated | | | | | | | | | | | |
| Base Parts |  | Base | |  | Deleted | |  | Modified | | |  | Added | |
|  |  |  | |  |  | |  |  | | |  |  | |
|  |  |  | |  |  | |  |  | | |  |  | |
| Total | B | |  | D | |  | M | |  | **BA** | | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | Actual | | | | | | | | | | |
| Base Parts |  | Base | |  | Deleted | |  | Modified | |  | Added | |
|  |  |  | |  |  | |  |  | |  |  | |
|  |  |  | |  |  | |  |  | |  |  | |
| Total |  | |  |  | |  |  | |  |  | |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | Estimated | | | | | | | |  | Actual | | |
| Parts Additions |  | Type |  | Items |  | Rel. Size | |  | Size\* |  | Size\* |  | Items |
| Main |  | Control |  | 1 |  | M | |  | 40 |  | 0 |  | 0 |
| Calculos |  | Logica |  | 1 |  | L | |  | 160 |  | 0 |  | 0 |
| MainView |  | VistWeb |  | 1 |  | M | |  | 40 |  | 0 |  | 0 |
| MainConsola |  | VistaC |  | 1 |  | L | |  | 20 |  | 0 |  | 0 |
|  |  |  |  |  |  |  | |  |  |  |  |  |  |
|  |  |  |  |  |  |  | |  |  |  |  |  |  |
| Total |  |  |  |  |  |  | PA | | 260 |  | 0 |  |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | Estimated | |  | Actual | |
| Reused Parts | |  | Size | |  | Size | |
|  | |  |  | |  |  | |
|  | |  |  | |  |  | |
|  | |  |  | |  |  | |
| Total | R | |  | |  |  | |
| PROBE Calculation Worksheet (Added and Modified) | | |  | | Size |  | | Time |
| Added size (A): A = BA+PA | | |  | | 260 |  | |  |
| Estimated Proxy Size (E): E = BA+PA+M | | |  | | 260 |  | |  |
| PROBE estimating basis used: (A, B, C, or D) | | |  | |  |  | |  |
| Correlation: (R2) | | |  | | N/A |  | |  |
| Regression Parameters: β0 Size and Time | | |  | | 0 |  | |  |
| Regression Parameters: β1 Size and Time | | |  | | 1,41 |  | |  |
| Projected Added and Modified Size (P): P = β0size + β1size\*E | | |  | | 366,6 |  | |  |
| Estimated Total Size (T): T = P + B - D - M + R | | |  | |  |  | |  |
| Estimated Total New Reusable (NR): sum of \* items | | |  | |  |  | |  |
| Estimated Total Development Time: Time = β0time + β1time\*E | | |  | |  |  | |  |
| Prediction Range: Range | | |  | |  |  | |  |
| Upper Prediction Interval: UPI = P + Range | | |  | |  |  | |  |
| Lower Prediction Interval: LPI = P - Range | | |  | |  |  | |  |
| Prediction Interval Percent: | | |  | |  |  | |  |

PSP Time Recording Log

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Project** | **Phase** | **Start Date and Time** | **Int. Time** | **Stop Date and Time** | **Delta**  **Time** | **Comments** |
| PSP1.1 | Plan | 8:00 |  | 8:10 | 10 | En casa |
|  | Diseño | 10:00 | 2 | 10:30 | 28 | En casa |
|  | Dev | 14:00 | 30 | 15:16 | 46 | En casa (logica) |
|  | Dev | 10:00 | 12 | 11:02 | 50 | En casa (Integracion) |
|  | Dev | 22:05 | 5 | 24:15 | 65 | En casa (web) |
|  | UTest | 21:00 | 5 | 21:30 | 30 | En casa |
|  | PosM | 21:30 | 15 | 23:00 | 75 | En casa |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |