**Example PSP1 Project Plan Summary**

|  |  |  |  |
| --- | --- | --- | --- |
| Student | Gabriel Alberto Castillo Prada | Date | Febrero 6 2015 |
| Program |  | Program # | 3 |
| Instructor |  | Language | Java |

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Summary*** | ***Plan*** | | |  | ***Actual*** | | |  | ***To Date*** | | |
| ***Size/Hour*** | 0.36 | | |  |  | | |  |  | | |
|  |  | | |  |  | | |  |  | | |
| **Program Size** | ***Plan*** | | |  | **Actual** | | |  | **To Date** | | |
| Base (B) | 17 | | |  | 17 | | |  |  | | |
|  | ***(Measured)*** | | |  | (Measured) | | |  |  | | |
| Deleted (D) | ***0*** | | |  | 0 | | |  |  | | |
|  | ***(Estimated)*** | | |  | (Counted) | | |  |  | | |
| Modified (M) | ***0*** | | |  | 0 | | |  |  | | |
|  | ***(Estimated)*** | | |  | (Counted) | | |  |  | | |
| Added (A) | ***112*** | | |  | 216 | | |  |  | | |
|  | ***(A+M − M)*** | | |  | (T − B + D − R) | | |  |  | | |
| Reused (R) | ***0*** | | |  | 0 | | |  |  | | |
|  | ***(Estimated)*** | | |  | (Counted) | | |  |  | | |
| Added and Modified (A+M) | ***112*** | | |  | 233 | | |  |  | | |
|  | ***(Projected)*** | | |  | (A + M) | | |  |  | | |
| Total Size (T) | ***119*** | | |  | 233 | | |  |  | | |
|  | ***(A+M + B − M − D + R)*** | | |  | (Measured) | | |  |  | | |
| Total New Reusable | 12 | | |  | 32 | | |  |  | | |
|  |  | | |  |  | | |  |  | | |
| ***Estimated Proxy Size (E)*** | 112 | | |  |  | | |  |  | | |
|  |  | | |  |  | | |  |  | | |
| **Time in Phase (min.)** | **Plan** |  | **Actual** | | |  | **To Date** | | |  | **To Date %** |
| Planning | 15.5 |  | 102 | | |  | 130 | | |  | 13 |
| Design | 3.1 |  | 9 | | |  | 15 | | |  | 1 |
| Code | 173 |  | 160 | | |  | 459 | | |  | 46 |
| Compile | 0 |  | 0 | | |  | 0 | | |  | 0 |
| Test | 86.8 |  | 67 | | |  | 212 | | |  | 21 |
| Postmortem | 31 |  | 114 | | |  | 163 | | |  | 16 |
| Total | 310 |  | 452 | | |  | 979 | | |  | 100 |
|  |  |  |  | | |  |  | | |  |  |
| **Defects Injected** |  |  | **Actual** | | |  | **To Date** | | |  | **To Date %** |
| Planning |  |  | 0 | | |  | 0 | | |  | 0 |
| Design |  |  | 3 | | |  | 5 | | |  | 50 |
| Code |  |  | 3 | | |  | 5 | | |  | 50 |
| Compile |  |  | 0 | | |  | 0 | | |  | 0 |
| Test |  |  | 0 | | |  | 0 | | |  | 0 |
| Total Development |  |  | 6 | | |  | 10 | | |  | 100 |
|  |  |  |  | | |  |  | | |  |  |
| **Defects Removed** |  |  | **Actual** | | |  | **To Date** | | |  | **To Date %** |
| Planning |  |  | 0 | | |  | 0 | | |  | 0 |
| Design |  |  | 0 | | |  | 0 | | |  | 0 |
| Code |  |  | 3 | | |  | 5 | | |  | 50 |
| Compile |  |  | 0 | | |  | 0 | | |  | 0 |
| Test |  |  | 3 | | |  | 5 | | |  | 50 |
| Total Development |  |  | 6 | | |  | 10 | | |  | 100 |
| After Development |  |  | 0 | | |  | 0 | | |  |  |

Size Estimating Template

|  |  |  |  |
| --- | --- | --- | --- |
| Student | Gabriel Alberto Castillo Prada | Date | 06 Feb 2015 |
| Program | PSP 1 | Program # | 3 |
| Instructor |  | Language | Java |
| Size Measure |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | Estimated | | | | | | | | | | | |
| Base Parts |  | Base | |  | Deleted | |  | Modified | | |  | Added | |
| CalculosListas |  | 17 | |  | 0 | |  | 0 | | |  | 12 | |
|  |  |  | |  |  | |  |  | | |  |  | |
|  |  |  | |  |  | |  |  | | |  |  | |
|  |  |  | |  |  | |  |  | | |  |  | |
| Total | B | | 17 | D | | 0 | M | | 0 | **BA** | | | 12 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | Actual | | | | | | | | | | |
| Base Parts |  | Base | |  | Deleted | |  | Modified | |  | Added | |
| CalculosListas |  | 17 | |  | 0 | |  | 0 | |  | 15 | |
|  |  |  | |  |  | |  |  | |  |  | |
|  |  |  | |  |  | |  |  | |  |  | |
|  |  |  | |  |  | |  |  | |  |  | |
| Total |  | |  |  | |  |  | |  |  | |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | Estimated | | | | | | | |  | Actual | | |
| Parts Additions |  | Type |  | Items |  | Rel. Size | |  | Size\* |  | Size\* |  | Items |
| VistaConsola |  | Vista |  | 1 |  | M | |  | 10 |  | 24 |  | 1 |
| VistaWeb |  | Vista |  | 1 |  | L | |  | 13 |  | 20 |  | 1 |
| ControladorConsola |  | Contro |  | 1 |  | M | |  | 10 |  | 19 |  | 1 |
| ControladorWeb |  | Contro |  | 1 |  | M | |  | 10 |  | 20 |  | 2 |
| CalculoProbe |  | Calc |  | 3 |  | L | |  | 45 |  | 55 |  | 14 |
| DataSourcePS10 |  | Data |  |  |  |  | |  |  |  | 58 |  | 1 |
|  |  |  |  |  |  |  | |  |  |  |  |  |  |
|  |  |  |  |  |  |  | |  |  |  |  |  |  |
|  |  |  |  |  |  |  | |  |  |  |  |  |  |
| Total |  |  |  |  |  |  | PA | | 100 |  | 138 |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | |  | Estimated |  | Actual |
| Reused Parts | |  | Size |  | Size |
|  | |  |  |  |  |
|  | |  |  |  |  |
|  | |  |  |  |  |
|  | |  |  |  |  |
|  | |  |  |  |  |
|  | |  |  |  |  |
|  | |  |  |  |  |
| Total | R | | 0 |  |  |

**(continued)**

Size Estimating Template (continued)

|  |  |  |  |
| --- | --- | --- | --- |
| Student | Gabriel Castillo | Program | PSP1 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| PROBE Calculation Worksheet (Added and Modified) |  | Size |  | Time |
| Added size (A): A = BA+PA |  | 112 |  |  |
| Estimated Proxy Size (E): E = BA+PA+M |  | 112 |  |  |
| PROBE estimating basis used: (A, B, C, or D) |  | C |  | C |
| Correlation: (R2) |  | 1 |  | 1 |
| Regression Parameters: β0 Size and Time |  | 0 |  | 1 |
| Regression Parameters: β1 Size and Time |  | 2.08 |  | 1.9 |
| Projected Added and Modified Size (P): P = β0size + β1size\*E |  | 232.96 |  |  |
| Estimated Total Size (T): T = P + B - D - M + R |  | 249.96 |  |  |
| Estimated Total New Reusable (NR): sum of \* items |  | 0 |  |  |
| Estimated Total Development Time: Time = β0time + β1time\*E |  |  |  | 212.8 |
| Prediction Range: Range |  |  |  |  |
| Upper Prediction Interval: UPI = P + Range |  |  |  |  |
| Lower Prediction Interval: LPI = P - Range |  |  |  |  |
| Prediction Interval Percent: |  |  |  |  |

Test Report Template

|  |  |  |  |
| --- | --- | --- | --- |
| Student | Gabriel Castillo | Date | Febero 7 |
| Program | PSP1 | Program # | 3 |
| Instructor |  | Language | Java |

|  |  |
| --- | --- |
| Test Name/Number | 1 / Misma prueba datos diferentes |
| Test Objective | Probar que los cálculos de regresión programados |
|  |  |
| Test Description | Se ingresarán cuatro grupos de datos con 10 números enteros para calcular la regresión |
|  |  |
|  |  |
|  |  |
|  |  |
| Test Conditions | Se tiene un grupo de 4 listas de 10 números cada una, con los cuales se busca calcular la regresión. |
|  |  |
|  |  |
|  |  |
|  |  |
| Expected Results | Los resultados esperados deben ser siempre los mismos de acuerdo a la tabla ingresada a continuación. |
|  |  |
|  |  |
|  |  |
| Actual Results | Los resultados arrojados fueron satisfactorios, estos se pueden consultar en la siguiente URL. http://psp10-gabriel.herokuapp.com/ |
|  |  |
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|  |  |
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Datos de prueba

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Program Number** | **Estimated Proxy Size** | **Plan Added and Modified size** | **Actual Added and Modified Size** | **Actual Development Hours** |
| 1 | 130 | 163 | 186 | 15.0 |
| 2 | 650 | 765 | 699 | 69.9 |
| 3 | 99 | 141 | 132 | 6.5 |
| 4 | 150 | 166 | 272 | 22.4 |
| 5 | 128 | 137 | 291 | 28.4 |
| 6 | 302 | 355 | 331 | 65.9 |
| 7 | 95 | 136 | 199 | 19.4 |
| 8 | 945 | 1206 | 1890 | 198.7 |
| 9 | 368 | 433 | 788 | 38.8 |
| 10 | 961 | 1130 | 1601 | 138.2 |

Table

Resultados Esperados

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test** | **Expected Values** | | | | |
|  |  |  |  |  |  |
| Test 1 | -22.55 | 1.7279 | 0.9545 | 0.9111 | 644.429 |
| Test 2 | -4.039 | 0.1681 | 0.9333 | .8711 | 60.858 |
| Test 3 | -23.92 | 1.43097 | .9631 | .9276 | 528.4294 |
| Test 4 | -4.604 | 0.140164 | .9480 | .8988 | 49.4994 |

Table 2

PSP Process Improvement Proposal (PIP)

|  |  |  |  |
| --- | --- | --- | --- |
| Student | Gabriel Alberto Castillo PRada | Date | Feb 07 2015 |
| Program |  | Program # | 3 |
| Instructor |  | Language | Java |

|  |
| --- |
| Problem Description |
| Briefly describe the problems that you encountered. |
| El principal problema fue entender los formularios y que se quería calcular y como hacerlo. |
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|  |
| Proposal Description |
| Briefly describe the process improvements that you propose. |
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|  |
| Other Notes and Comments |
| Note any other comments or observations that describe your experiences or improvement ideas. |
| Pude mejorar bastante el despliegue en Heroku, en el pasado programa tuve la mayor cantidad de problemas en este punto. |
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PSP 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 | Gabriel Castillo | Date | Febrero 7 |
| Program | PSP 1 | Program # | 3 |
| Instructor |  | Language | Java |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Project |  | | Date |  | Number |  | Type |  | Inject |  | Remove |  | Fix Time |  | Fix Ref. |
| PSP 1 |  | | 7 Feb |  | 1 |  | 100 |  | Desi. |  | Code |  | 5 |  |  |
| Description: | | | Error al no tener en cuenta el método de sumatoria multiplicada | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | |
| Project |  | | Date |  | Number |  | Type |  | Inject |  | Remove |  | Fix Time |  | Fix Ref. |
| PSP 1 |  | | 7 Feb |  | 2 |  | 100 |  | Desi. |  | Code |  | 5 |  |  |
| Description: | | | Error al no tener en cuenta el método crear promedio al cuadrado | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | |
| Project |  | | Date |  | Number |  | Type |  | Inject |  | Remove |  | Fix Time |  | Fix Ref. |
| PSP 1 |  | | 7 Feb |  | 3 |  | 100 |  | Desi. |  | Code |  | 5 |  |  |
| Description: | | | Error al no tener en cuenta en el diseño los datos de origen para realizar las pruebas | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | |
| Project |  | | Date |  | Number |  | Type |  | Inject |  | Remove |  | Fix Time |  | Fix Ref. |
| PSP 1 |  | | 7 Feb |  | 4 |  | 80 |  | Code. |  | Test |  | 5 |  |  |
| Description: | | | Mal cálculo de la variable B1 | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | |
| Project |  | | Date |  | Number |  | Type |  | Inject |  | Remove |  | Fix Time |  | Fix Ref. |
| PSP 1 |  | | 7 Feb |  | 5 |  | 60 |  | Code. |  | Test |  | 1 |  |  |
| Description: | | | Se muestran mal las listas en el resultado | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | |
| Project |  | | Date |  | Number |  | Type |  | Inject |  | Remove |  | Fix Time |  | Fix Ref. |
| PSP 1 |  | | 7 Feb |  | 6 |  | 60 |  | Code. |  | Test |  | 1 |  |  |
| Description: | | | Error en los mensajes de las pruebas | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | |
| Project |  | | Date |  | Number |  | Type |  | Inject |  | Remove |  | Fix Time |  | Fix Ref. |
|  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Description: | | |  | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | |
| Project |  | | Date |  | Number |  | Type |  | Inject |  | Remove |  | Fix Time |  | Fix Ref. |
|  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Description: | | |  | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | |