Personal Software Process for Engineers: Part I

Assignment Kit for Program 1

Resultados Enunciado Tarea 1

**PSP0 Project Plan Summary**

|  |  |  |  |
| --- | --- | --- | --- |
| Student | JOHN DANY OSORIO RAMOS | Date | 24/01/2015 |
| Program | Conceptos Avanzados de Ing. De Sofrware | Program # | 01 |
| Instructor | LUIS DANIEL BENAVIDES | Language | Java |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Time in Phase (min.)** | **Plan** |  | **Actual** |  | **To Date** |  | **To Date %** |
| Planning |  |  | 30 |  | 30 |  | 15 |
| Design |  |  | 40 |  | 40 |  | 21 |
| Code |  |  | 60 |  | 60 |  | 31 |
| Compile |  |  | 20 |  | 20 |  | 11 |
| Test |  |  | 20 |  | 20 |  | 11 |
| Postmortem |  |  | 10 |  | 10 |  | 10 |
| Total | 240 |  | 180 |  | 180 |  | 100 |
|  |  |  |  |  |  |  |  |
| **Defects Injected** |  |  | **Actual** |  | **To Date** |  | **To Date %** |
| Planning |  |  | 0 |  | 0 |  | 0 |
| Design |  |  | 0 |  | 0 |  | 0 |
| Code |  |  | 1 |  | 1 |  | 100 |
| Compile |  |  | 0 |  | 0 |  | 0 |
| Test |  |  | 0 |  | 0 |  | 0 |
| Total Development |  |  | 1 |  | 1 |  | 100 |
|  |  |  |  |  |  |  |  |
| **Defects Removed** |  |  | **Actual** |  | **To Date** |  | **To Date %** |
| Planning |  |  | 0 |  | 0 |  | 0 |
| Design |  |  | 0 |  | 0 |  | 0 |
| Code |  |  | 1 |  | 1 |  | 100 |
| Compile |  |  | 0 |  | 0 |  | 0 |
| Test |  |  | 0 |  | 0 |  | 0 |
| Total Development |  |  | 0 |  | 0 |  | 100 |
| After Development |  |  | 0 |  | 0 |  |  |

**PSP Time Recording Log**

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| --- | --- | --- | --- |
| Student | JOHN DANY OSORIO RAMOS | Date | 24/01/2015 |
| Program | Conceptos Avanzados de Software | Program # | 01 |
| Instructor | LUIS DANIEL BENAVIDES | Language | Java |

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| --- | --- | --- | --- | --- | --- | --- |
| **Project** | **Phase** | **Start Date and Time** | **Int. Time** | **Stop Date and Time** | **Delta**  **Time** | **Comments** |
| PSP0 | Plan | 10:55 | 10 | 11:40 | 35 |  |
| PSP0 | Desarrollo | 11:40 | 0 | 12:30 | 50 | Diseño y codificación |
| Día 2 |  |  |  |  |  |  |
| PSP0 | Desarrollo | 15:00 | 0 | 16:45 | 105 | Diseño y codificación |
| PSP0 | Pruebas | 16:45 | 0 | 17:05 | 20 | Pruebas. |
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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 | JOHN DANY OSORIO RAMOS | Date | 24/01/2014 |
| Program | Conceptos Avanzados de sogtware | Program # | 01 |
| Instructor | Luis Daniel Benavidez | Language | JAVA |

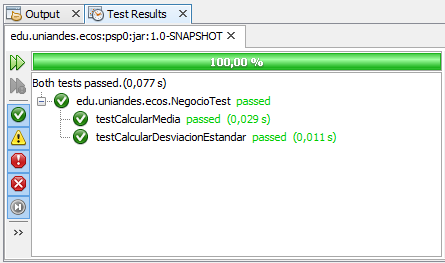
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Project |  | | Date |  | Number |  | Type |  | Inject |  | Remove |  | Fix Time |  | Fix Ref. |
| PSP0 |  | | 24/01/2015 |  | 001 |  | 10 |  | Codificación |  | Codificación |  | 5 |  | X |
| Description: | | | Se corrige la documentación de las clases y métodos. | | | | | | | | | | | | | |
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| Project |  | | Date |  | Number |  | Type |  | Inject |  | Remove |  | Fix Time |  | Fix Ref. |
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| Description: | | |  | | | | | | | | | | | | | |
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| Project |  | | Date |  | Number |  | Type |  | Inject |  | Remove |  | Fix Time |  | Fix Ref. |
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| Description: | | |  | | | | | | | | | | | | | |
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| Project |  | | Date |  | Number |  | Type |  | Inject |  | Remove |  | Fix Time |  | Fix Ref. |
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| Description: | | |  | | | | | | | | | | | | | |
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| Project |  | | Date |  | Number |  | Type |  | Inject |  | Remove |  | Fix Time |  | Fix Ref. |
|  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Description: | | |  | | | | | | | | | | | | | |
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**Para efectos de pruebas se trabajaran los siguientes datos contenidos en el enunciado de la tarea:**

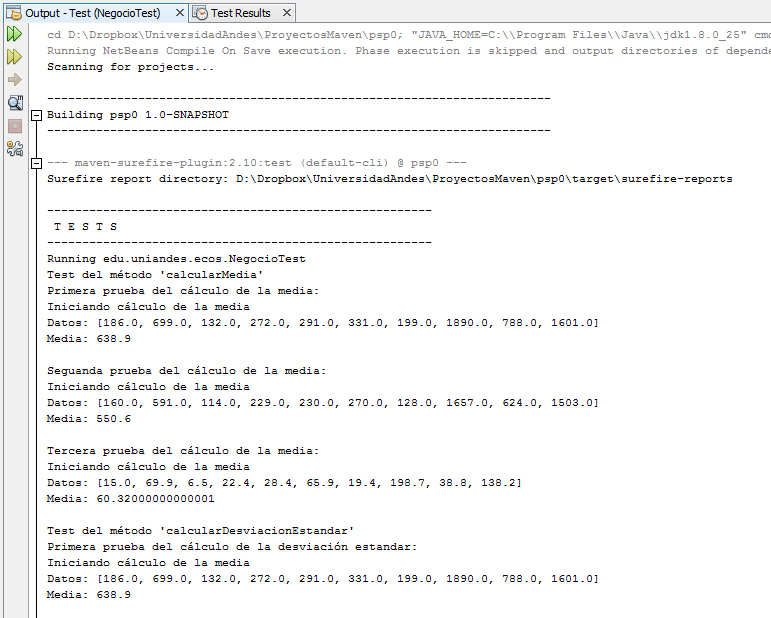
|  |  |  |
| --- | --- | --- |
| Columna 0 | Columna 1 | Columna 2 |
| 186 | 160 | 15.0 |
| 699 | 591 | 69.9 |
| 132 | 114 | 6.5 |
| 272 | 229 | 22.4 |
| 291 | 230 | 28.4 |
| 331 | 270 | 65.9 |
| 199 | 128 | 19.4 |
| 1890 | 1657 | 198.7 |
| 788 | 624 | 38.8 |
| 1601 | 1503 | 138.2 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test** | **Expected Value** | | **Actual Value** | |
|  | *Mean* | *Std. Dev* | *Mean* | *Std. Dev* |
| Columna 0 | 638.9 | 625.6 | 638.9 | 625.6339806770231 |
| Columna 1 | 550.6 | 572.03 | 550.6 | 572.026844746915 |
| Columna 2 | 60.32 | 62.26 | 60.32000000000001 | 62.25583060601187 |

**A continuación se muestran las imágenes capturados en el compilador de java producto del resultado de la ejecución de las pruebas unitarias:**



**Resultado de la prueba del método que calcula la media.**



**Resultado de la prueba del método que calcula la desviación estandar.**

