**Example PSP1 Project Plan Summary**

|  |  |  |  |
| --- | --- | --- | --- |
| Student | José Javier Virviescas Toledo | Date | 07/02/2015 |
| Program | Regresión y Correlación | Program # | 3 |
| Instructor | Luis Daniel Benavides Navarro | Language | JAVA |

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Summary*** | ***Plan*** | | |  | ***Actual*** | | |  | ***To Date*** | | |
| ***Size/Hour*** | 180/4 | | |  | 252/2.6 | | |  | 252/2.6 | | |
|  |  | | |  |  | | |  |  | | |
| **Program Size** | ***Plan*** | | |  | **Actual** | | |  | **To Date** | | |
| Base (B) | 0 | | |  | 0 | | |  |  | | |
|  | ***(Measured)*** | | |  | (Measured) | | |  |  | | |
| Deleted (D) | 0 | | |  | 0 | | |  |  | | |
|  | ***(Estimated)*** | | |  | (Counted) | | |  |  | | |
| Modified (M) | 0 | | |  | 0 | | |  |  | | |
|  | ***(Estimated)*** | | |  | (Counted) | | |  |  | | |
| Added (A) | 180 | | |  | 252 | | |  |  | | |
|  | ***(A+M − M)*** | | |  | (T − B + D − R) | | |  |  | | |
| Reused (R) | 20 | | |  | 16 | | |  | 0 | | |
|  | ***(Estimated)*** | | |  | (Counted) | | |  |  | | |
| Added and Modified (A+M) | 180 | | |  | 252 | | |  | 243+252=495 | | |
|  | ***(Projected)*** | | |  | (A + M) | | |  |  | | |
| Total Size (T) | 200 | | |  | 268 | | |  | 243+268=511 | | |
|  | ***(A+M + B − M − D + R)*** | | |  | (Measured) | | |  |  | | |
| Total New Reusable | 0 | | |  | 0 | | |  | 0 | | |
|  |  | | |  |  | | |  |  | | |
| ***Estimated Proxy Size (E)*** |  | | |  |  | | |  |  | | |
|  |  | | |  |  | | |  |  | | |
| **Time in Phase (min.)** | **Plan** |  | **Actual** | | |  | **To Date** | | |  | **To Date %** |
| Planning | 11.52 |  | 10 | | |  | 23+10=33 | | |  | 4.8 |
| Design | 10.08 |  | 9 | | |  | 20+9=29 | | |  | 4.2 |
| Code | 149.76 |  | 139 | | |  | 299+139= 438 | | |  | 63.6 |
| Compile | 0 |  | 0 | | |  | 0 + 0 = 0 | | |  | 0 |
| Test | 24 |  | 16 | | |  | 48+16=64 | | |  | 9.3 |
| Postmortem | 44.64 |  | 36 | | |  | 89+36=125 | | |  | 18.1 |
| Total | 240 |  | 210 | | |  | 689 | | |  | 100 |
|  |  |  |  | | |  |  | | |  |  |
| **Defects Injected** |  |  | **Actual** | | |  | **To Date** | | |  | **To Date %** |
| Planning |  |  | 0 | | |  | 0+0=0 | | |  | 0 |
| Design |  |  | 0 | | |  | 3+0=3 | | |  | 21.4 |
| Code |  |  | 2 | | |  | 7+2=9 | | |  | 64.3 |
| Compile |  |  | 0 | | |  | 0+0=0 | | |  | 0 |
| Test |  |  | 0 | | |  | 2+0=2 | | |  | 14.3 |
| Total Development |  |  | 2 | | |  | 14 | | |  | 100 |
|  |  |  |  | | |  |  | | |  |  |
| **Defects Removed** |  |  | **Actual** | | |  | **To Date** | | |  | **To Date %** |
| Planning |  |  | 0 | | |  | 0+0=0 | | |  | 0 |
| Design |  |  | 0 | | |  | 0+0=0 | | |  | 0 |
| Code |  |  | 2 | | |  | 10+2=12 | | |  | 85.7 |
| Compile |  |  | 0 | | |  | 0+0=0 | | |  | 0 |
| Test |  |  | 0 | | |  | 2+0=2 | | |  | 14.3 |
| Total Development |  |  | 2 | | |  | 14 | | |  | 100 |
| After Development |  |  | 0 | | |  | 0 | | |  |  |

• En rojo lo que viene del programa anterior.

Test Report Template

|  |  |  |  |
| --- | --- | --- | --- |
| Student | José Javier Virviescas Toledo | Date | 06/02/2015 |
| Program | Regresión y Correlación | Program # | 3 |
| Instructor | Luis Daniel Benavides Navarro | Language | JAVA |

|  |  |
| --- | --- |
| Test Name/Number | testDatos1/001 |
| Test Objective | Verificar calculo de regresión y correlación |
|  |  |
| Test Description | Según un conjunto de datos calcular la regresión y la correlación de |
|  | esa lista de datos. Y que se muestren los datos con 4 decimales como máximo |
|  |  |
| Test Conditions | Lista de entrada: {(130,186), (650,699), (99,132), (150,272), (128,291), |
|  | (302,331), (95,199), (945,1890), (368,788), (961,1601)} |
|  |  |
| Expected Results | B0 = -22,5525 |
|  | B1 = 1,7279 |
|  | Rxy = 0,9545 |
|  | R2 = 0,9111 |
|  | Yk = 644,4294 |
|  |  |
| Actual Results | B0 = -22,5525 |
|  | B1 = 1,7279 |
|  | Rxy = 0,9545 |
|  | R2 = 0,9111 |
|  | Yk = 644,4294 |
|  |  |
| Test Name/Number | testDatos2 |
| Test Objective | Verificar calculo de regresión y correlación |
|  |  |
| Test Description | Según un conjunto de datos calcular la regresión y la correlación de |
|  | esa lista de datos. Y que se muestren los datos con 4 decimales como máximo |
|  |  |
| Test Conditions | Lista de entrada: {(130.0,15.0), (650.0,69.9), (99.0,6.5), (150.0,22.4), |
|  | (128.0,28.4), (302.0,65.9), (95.0,19.4), (945.0,198.7), (368.0,38.8), |
|  | (961.0,138.2)} |
|  |  |
| Expected Results | B0 = -4,0389 |
|  | B1 = 0,1681 |
|  | Rxy = 0,9333 |
|  | R2 = 0,8711 |
|  | Yk = 60,858 |
|  |  |
| Actual Results | B0 = -4,0389 |
|  | B1 = 0,1681 |
|  | Rxy = 0,9333 |
|  | R2 = 0,8711 |
|  | Yk = 60,858 |
|  |  |

|  |  |
| --- | --- |
| Test Name/Number | testDatos3/003 |
| Test Objective | Verificar calculo de regresión y correlación |
|  |  |
| Test Description | Según un conjunto de datos calcular la regresión y la correlación de |
|  | esa lista de datos. Y que se muestren los datos con 4 decimales como máximo |
|  |  |
| Test Conditions | Lista de entrada: {(163,186), (765,699), (141,132), (166,272), (137,291), |
|  | (355,331), (136,199), (1206,1890), (433,788), (1130,1601)} |
|  |  |
| Expected Results | B0 = -23,9239 |
|  | B1 = 1,431 |
|  | Rxy = 0,9631 |
|  | R2 = 0,9276 |
|  | Yk = 528,4294 |
|  |  |
| Actual Results | B0 = -23,9239 |
|  | B1 = 1,431 |
|  | Rxy = 0,9631 |
|  | R2 = 0,9276 |
|  | Yk = 528,4294 |
|  |  |
| Test Name/Number | testDatos4/004 |
| Test Objective | Verificar calculo de regresión y correlación |
|  |  |
| Test Description | Según un conjunto de datos calcular la regresión y la correlación de |
|  | esa lista de datos. Y que se muestren los datos con 4 decimales como máximo |
|  |  |
|  |  |
|  |  |
| Test Conditions | Lista de entrada: {(163,15.0), (765,69.9), (141,6.5), (166,22.4), (137,28.4), |
|  | (355,65.9), (136,19.4), (1206,198.7), (433,38.8), (1130,138.2)} |
|  |  |
| Expected Results | B0 = -4,6037 |
|  | B1 = 0,1402 |
|  | Rxy = 0,948 |
|  | R2 = 0,8988 |
|  | Yk = 49,4994 |
|  |  |
| Actual Results | B0 = -4,6037 |
|  | B1 = 0,1402 |
|  | Rxy = 0,948 |
|  | R2 = 0,8988 |
|  | Yk = 49,4994 |
|  |  |

PSP Process Improvement Proposal (PIP)

|  |  |  |  |
| --- | --- | --- | --- |
| Student | José Javier Virviescas Toledo | Date | 07/02/2015 |
| Program | Regresión y Correlación | Program # | 3 |
| Instructor | Luis Daniel Benavides Navarro | Language | JAVA |

|  |
| --- |
| Problem Description |
| Briefly describe the problems that you encountered. |
| Realizar el PROBE ya que hasta el momento solo se han realizado dos programas. |
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|  |
| Proposal Description |
| Briefly describe the process improvements that you propose. |
| En este programa se realizó un mejor diseño, y se vio reflejado en que no se introdujeron errores |
| en esta fase. |
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| Other Notes and Comments |
| Note any other comments or observations that describe your experiences or improvement ideas. |
| Con este trabajo se puede observar o medir de mejor manera el número de líneas que realizamos por hora. |
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PSP Time Recording Log

|  |  |  |  |
| --- | --- | --- | --- |
| Student | José Javier Virviescas Toledo | Date | 07/02/2015 |
| Program | Regresión y Correlación | Program # | 3 |
| Instructor | Luis Daniel Benavides Navarro | Language | JAVA |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Project** | **Phase** | **Start Date and Time** | **Int. Time** | **Stop Date and Time** | **Delta**  **Time** | **Comments** |
| PSP1 | Planing | 07/02/2015  08:09 am |  | 07/02/2015  08:19 am | 10 |  |
|  | Design | 07/02/2015  09:32 am |  | 07/02/2015  09:41 am | 9 |  |
|  | Code | 07/02/2015  09:43 am | 11 | 07/08/2015  10:31 am | 37 |  |
|  | Code | 07/02/2015  11:45 am | 13 | 07/02/2015  01:40 pm | 102 |  |
|  | Test | 07/02/2015  02:11 pm |  | 07/02/2015  02:27pm | 16 |  |
|  | PostMortem | 08/02/2015  09:05 am | 16 | 08/02/2015  09:57 am | 36 |  |
|  |  |  |  |  |  |  |
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PSP Defect Recording Log

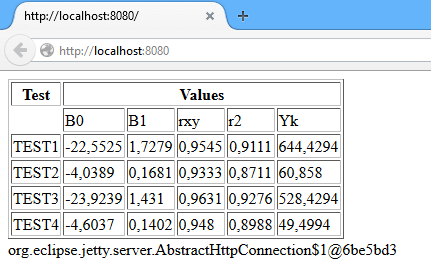
|  |  |
| --- | --- |
| Defect Types |  |
| 10 Documentation | 60 Checking |
| 20 Syntax | 70 Data |
| 30 Build, Package | 80 Function |
| 40 Assignment | 90 System |
| 50 Interface | 100 Environment |

|  |  |  |  |
| --- | --- | --- | --- |
| Student | José Javier Virviescas Toledo | Date | 07/02/2015 |
| Program | Regresión y Correlación | Program # | 3 |
| Instructor | Luis Daniel Benavides Navarro | Language | JAVA |

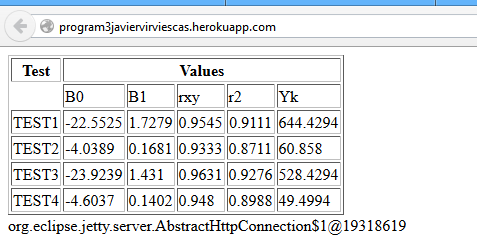
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Project |  | | Date |  | Number |  | Type |  | Inject |  | Remove |  | Fix Time |  | Fix Ref. |
| PSP1 |  | | 07/02/2015 |  | 1 |  | 80 |  | Code |  | Code |  | 10 |  |  |
| Description: | | | Error calculando la regresión | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | |
| Project |  | | Date |  | Number |  | Type |  | Inject |  | Remove |  | Fix Time |  | Fix Ref. |
| PSP1 |  | | 07/02/2015 |  | 2 |  | 80 |  | Code |  | Code |  | 15 |  |  |
| Description: | | | Error calculando la correlación | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | |

**Test Results**

Ejecución local:



Ejecución Heroku:



Pruebas Unitarias:

