**PSP0 Project Plan Summary**

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| --- | --- | --- | --- |
| Student | Deivis Enrique Vergel Arenas | Date | 25/01/2015 |
| Program | ECOS | Program # | 1 |
| Instructor | Luis Daniel Benavides Navarro | Language | JAVA |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Time in Phase (min.)** | **Plan** |  | **Actual** |  | **To Date** |  | **To Date %** |
| Planning | 1:00 |  | 0:48 |  | 0:48 |  | 12.565445 |
| Design | 1:30 |  | 1:52 |  | 1:52 |  | 29.3193717 |
| Code | 2:00 |  | 2:36 |  | 2:36 |  | 40.8376963 |
| Compile | 0:20 |  | 0:02 |  | 0:02 |  | 0.52356021 |
| Test | 0:30 |  | 0:25 |  | 0:25 |  | 6.54450262 |
| Postmortem | 0:40 |  | 0:39 |  | 0:39 |  | 10.2094241 |
| Total | 6:00 |  | 6:22 |  | 6:22 |  | 100 |
|  |  |  |  |  |  |  |  |
| **Defects Injected** |  |  | **Actual** |  | **To Date** |  | **To Date %** |
| Planning |  |  | 0:32 |  | 0:32 |  | 58.1818182 |
| Design |  |  | 0:05 |  | 0:05 |  | 9.09090909 |
| Code |  |  | 0:18 |  | 0:18 |  | 32.7272727 |
| Compile |  |  |  |  |  |  |  |
| Test |  |  |  |  |  |  |  |
| Total Development |  |  | 0:55 |  | 0:55 |  | 100 |
|  |  |  |  |  |  |  |  |
| **Defects Removed** |  |  | **Actual** |  | **To Date** |  | **To Date %** |
| Planning |  |  | 0:32 |  | 0:32 |  | 58.1818182 |
| Design |  |  |  |  |  |  |  |
| Code |  |  | 0:05 |  | 0:05 |  | 9.09090909 |
| Compile |  |  |  |  |  |  |  |
| Test |  |  | 0:18 |  | 0:18 |  | 32.7272727 |
| Total Development |  |  | 0:55 |  | 0:55 |  | 100 |
| After Development |  |  |  |  |  |  |  |

PSP Time Recording Log

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| --- | --- | --- | --- |
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| **Project** | **Phase** | **Start Date and Time** | **Int. Time** | **Stop Date and Time** | **Delta**  **Time** | **Comments** |
| PSP0 | Plan | 24/01/15 10:48 AM | 0:00 | 24/01/15 11:30 AM | 0:48 | Se socializo la idea de crear un proyecto web , fue rechazada la propuesta y se retoma proyecto java cliente servidor |
| PSP0 | Design | 25/01/15 12:20 PM | 0:15 | 25/01/15 02:12 PM | 1:52 | Diseño de clases CalcularMediaDesviacion, CargarArchivos definiendo propiedades y métodos necesarios para la funcionalidad |
| PSP0 | Code | 25/01/15 02:12 PM | 0:20 | 25/01/15 04:48 PM | 2:36 | Codificación de menú, flujo de eventos ,ciclos de captura de datos , procesos de cálculo de media y desviación estándar |
| PSP0 | Compile | 25/01/15 04:48 PM |  | 25/01/15 04:50 PM | 0:02 |  |
| PSP0 | Test | 25/01/15 04:50 PM |  | 25/01/15 05:15 PM | 0:25 | Solución de errores de división de BigDecimal , captura de excepciones y adición de comentarios |
| PSP0 | Postmortem | 25/01/15 05:48 PM |  | 25/01/15 06:27 PM | 0:39 |  |

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 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Project |  | | Date |  | Number |  | Type |  | Inject |  | Remove |  | Fix Time |  | Fix Ref. |
| PSP0 |  | | 25/01/2015 |  | 001 |  | 100 |  | Plan |  | Plan |  | 0:32 |  |  |
| Description: | | | Se contemplo realizar la aplicación bajo una arquitectura WEB diseñado por capas y con frameworks tales como jpa, primefaces y JSF , fue considerado innecesario por las condiciones de lo solicitado y de configuraciones adicionales que requería su despliegue y posteriores pruebas | | | | | | | | | | | | | |
| Project |  | | Date |  | Number |  | Type |  | Inject |  | Remove |  | Fix Time |  | Fix Ref. |
| PSP0 |  | | 25/01/2015 |  | 002 |  | 40 |  | Desing |  | Code |  | 0:05 |  |  |
| Description: | | | Se declare la LinkedList como una lista de Integer , pero no contemplaba el uso de decimals, ni funciones de exponenciacion y raiz cuadrada por lo que se cambio de tipo de datos a BigDecimal | | | | | | | | | | | | | |
| Project |  | | Date |  | Number |  | Type |  | Inject |  | Remove |  | Fix Time |  | Fix Ref. |
| PSP0 |  | | 25/01/2015 |  | 003 |  | 20 |  | Code |  | Test |  | 0:15 |  |  |
| Description: | | | Al usar la función de división la clase BigDecimal exige un método de redondeo en caso de que el resultado no sea exacto por lo que se añadió el parámetro BigDecimal.ROUND\_HALF\_UP en la funcionalidad divide | | | | | | | | | | | | | |
| Project |  | | Date |  | Number |  | Type |  | Inject |  | Remove |  | Fix Time |  | Fix Ref. |
| PSP |  | | 25/01/2015 |  | 004 |  | 10 |  | Code |  | Test |  | 0:03 |  |  |
| Description: | | | Se añadieron mensajes para aclarar mas la funcionalidad , se corrigio la captura de algunos mensajes de excepciones y se creó un ciclo para que al finalizar el calculo se pueda continuar o salir de la aplicación | | | | | | | | | | | | | |