Size Estimating Template

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| --- | --- | --- | --- |
| Student | DIEGO ANDRES MONTEALEGRE GARCIA | Date | 03 – 03 – 2015 |
| Program | PSP 2.1 | Program # | 6 |
| Instructor | LUIS DANIEL BENAVIDES NAVARRO | Language | JAVA |
| Size Measure |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  | Estimated | | | | | | | | | | | |
| Base Parts |  | Base | |  | Deleted | |  | Modified | | |  | Added | |
| Simpson\* |  | 99 | |  | 0 | |  | 0 | | |  | 40 | |
|  |  |  | |  |  | |  |  | | |  |  | |
|  |  |  | |  |  | |  |  | | |  |  | |
|  |  |  | |  |  | |  |  | | |  |  | |
| Total | B | | 99 | D | | 0 | M | | 0 | **BA** | | | 40 |

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|  |  | Actual | | | | | | | | | | |
| Base Parts |  | Base | |  | Deleted | |  | Modified | |  | Added | |
| Simpson\* | 0 | 99 | |  | 0 | |  | 0 | |  | 46 | |
|  |  |  | |  |  | |  |  | |  |  | |
|  |  |  | |  |  | |  |  | |  |  | |
|  |  |  | |  |  | |  |  | |  |  | |
| Total |  | | 99 |  | | 0 |  | | 0 |  | | 145 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | Estimated | | | | | | | |  | Actual | | |
| Parts Additions |  | Type |  | Items |  | Rel. Size | |  | Size\* |  | Size\* |  | Items |
| GestorNegocio |  | Logic |  | 5 |  | S | |  | 45 |  | 60 |  | 7 |
| App |  | View |  | 4 |  | M | |  | 60 |  | 47 |  | 4 |
| PrettyPrinting |  | View |  | 2 |  | M | |  | 20 |  | 12 |  | 1 |
|  |  |  |  |  |  |  | |  |  |  |  |  |  |
|  |  |  |  |  |  |  | |  |  |  |  |  |  |
|  |  |  |  |  |  |  | |  |  |  |  |  |  |
|  |  |  |  |  |  |  | |  |  |  |  |  |  |
| Total |  |  |  |  |  |  | PA | | 125 |  | 221 |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | |  | Estimated |  | Actual |
| Reused Parts | |  | Size |  | Size |
| Simpson\* | |  | 99\* |  | 145 |
|  | |  |  |  |  |
|  | |  |  |  |  |
|  | |  |  |  |  |
|  | |  |  |  |  |
|  | |  |  |  |  |
| Total | R | | 99 |  | 145 |

**(continued)**

Size Estimating Template (continued)

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| Student | DIEGO ANDRES MONTEALEGRE GARCIA | Program | PSP 2.1 |

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| --- | --- | --- | --- | --- |
| PROBE Calculation Worksheet (Added and Modified) |  | Size |  | Time |
| Added size (A): A = BA+PA |  | 125 |  |  |
| Estimated Proxy Size (E): E = BA+PA+M |  | 165 |  |  |
| PROBE estimating basis used: (A, B, C, or D) |  | C |  | C |
| Correlation: (R2) |  | NA |  | NA |
| Regression Parameters: β0 Size and Time |  | 0 |  | 0 |
| Regression Parameters: β1 Size and Time |  | 0,3838459 |  | 0,829567 |
| Projected Added and Modified Size (P): P = β0size + β1size\*E |  | 63,33456836 |  |  |
| Estimated Total Size (T): T = P + B - D - M + R |  | 162,3345684 |  |  |
| Estimated Total New Reusable (NR): sum of \* items |  | 10 |  |  |
| Estimated Total Development Time: Time = β0time + β1time\*E |  |  |  | 136,8784735 |
| Prediction Range: Range |  | 113,6342 |  | 95,81493146 |
| Upper Prediction Interval: UPI = P + Range |  | 275,9688 |  | 232,693405 |
| Lower Prediction Interval: LPI = P - Range |  | 48,70037 |  | 41,06354205 |
| Prediction Interval Percent: |  | 70% |  | 70% |