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| General Information | |
| Use Case Number : S-000  Use Case Name : Update Benchmarks  Subject Area : System  Description : System calculates benchmarks for builds | Responsible Analyst : Alex Carlson |

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| Requirements/Feature Trace | |
| **REQ#** | Requirements Name and / or Short Description |
| 7 | The system shall provide a benchmarking tool for calculating build effectiveness |

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| Revision History | | |
| Author | **Date** | **Comments** |
| Alex Carlson | 10/21/2015 | First Draft |

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| **Insertion Points in other Use Cases** | | |
| Use Case Name | **Use Case Number** | **Step Inserted After** |
| N/A |  |  |

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| **Actors** | | |
| **Actor Name** | **Person/System** | **Brief Description** |
| Registered User | Person | The currently logged in user |

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| **Pre-Conditions** | |
| # | Description |
| 1 | User must be viewing a hero build snapshot |

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| **Start Stimulus** |
| User clicks on “Run Benchmark” button |

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| **Use Case Main Course Steps** | | | |
| **Number** | **Description** | **Adds/Alt Name/Number** | **Bus Rule#** |
| 1 | System queues up a benchmark |  | 12 |
| 2 | System displays message to check back later |  | 12 |
| 3 | System calculates benchmark |  | 12 |
| 4 | System saves benchmark information |  | 12 |

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| **Exception Conditions** | | |
| **Exception Situations** | **Action(s) on Exception** | **Adds\Alt UC #** |
| N/A |  |  |

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| Post-Conditions | |
| **#** | **Description** |
| 1 | Benchmark is queued for computation on the server |

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| **Candidate Objects** | | |
| **Class/Object Name** | **Descriptions** | **Possible**  **attributes** |
| BuildMark | Stores and handles benchmark info and computations | Score, EfficiencySummary |

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| **Assumptions** | | | | | |
| **#** | **Assumption** | **Date**  **Raised** | **Raised**  **By** | **Date**  **Verified** | **Verified By** |
|  | N/A |  |  |  |  |

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| **Issues** | | | | | |
| **#** | **Issue** | **Date**  **Raised** | **Raised**  **By** | **Date**  **Verified** | **Verified By** |
|  | N/A |  |  |  |  |

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| --- | --- | --- |
| **Other Comments** | | |
| **Author** | **Comment** | **Date** |
| N/A |  |  |

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| Frequency of Execution |
| **Frequency:**  Minimum: 1 Maximum: N/A Average: N/A (OR)Fixed:  **Per:** Hour:Day:  Week:  Month:  Other: |

|  |  |  |  |  |  |  |  |
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| **Timing Information** | | | | | | | |
| **#** | **At/**  **Between** | **Step(s)** | **Timing**  **Unit** | **Minimum** | **Average** | **Maximum** | **Comments** |
| 1 | At | 1 | Seconds | 0.1 | 0.5 | 2 |  |

|  |  |  |  |  |  |  |
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| **Volume Information** | | | | | | |
| **#** | **Step #** | **Unit of**  **Measure** | **Minimum** | **Average** | **Maximum** | **Comments** |
| 1 | 4 | Kbytes | 5 | 7 | 15 |  |

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| **Alternate Course General Information** |
| Alternate Course Name:  Alternate Course Number:  Parent Use Case Name:  Parent Use Case Number:  Description:  Reason for Execution: Non Exception:  Exception: |

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| Insertion Point |
| Step Inserted After |
|  |

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| Pre-Conditions | |
| 1. |  |
| 2. |  |

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| Alternate Course Steps | | | |
| **#** | **Step Description** | **Adds Use Case #** | **Business Rule(s)#** |
| 1. |  |  |  |
| 2. |  |  |  |
| 3. |  |  |  |
| 4. |  |  |  |

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| Post-Conditions | |
| 1. |  |
| 2. |  |