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| General Information | |
| Use Case ID Number : UC6.13  Subject Area : User data backup/sync  Description : User activates a sync to push changes to the webserver, and receive any changes that were made elsewhere | Responsible Analyst : Troy Riblett |

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| Requirements/Feature Trace | |
| **REQ#** | Requirements Name and / or Short Description |
| 6.13 | Allow user to sync local database with webdatabase |
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| Revision History | | |
| Author | **Date** | **Comments** |
| Troy Riblett | 4/16/2016 | 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** | **P/S** | **Brief Description** |
| User | P | User who wants to make the sync |
| LocalDB | S | The local database system that has information about updates |
| WebDB | S | The web system that works as a backup and may have more information than the LocalDB |
| WebWServer | S | The server that processes the requests and hands them off to the WebDB |

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| **Pre-Conditions** | |
| # | Description |
|  | The user has a Biometrix or Google login active |

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| **Start Stimulus** |
| User requests database sync |

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| **Use Case Main Course Steps** | | | |
| **Number** | **Description** | **Adds/Alt UC Name/Number** | **Bus Rule(s)#** |
| 01 | User requests a sync |  |  |
| 02 | System pulls update information from LocalDB |  |  |
| 03 | System pulls primary key information from LocalDB |  |  |
| 04 | System makes call to the WebServer with the information from steps 02 and 03 |  |  |
| 05 | Webserver parses the information and calls add, update, or delete, depending on the status of the entry that is passed in |  |  |
| 06 | Webserver pulls the list of web and local IDs for the user to determine if any are missing |  |  |
| 07 | Webserver grabs the data for the rows that were missing |  | 22 |
| 08 | Missing rows are updated on local database |  |  |
| 09 | Local ID changes are recorded and passed back to the webserver. |  |  |
| 10 | Webserver calls update for each changed local ID |  |  |
| 11 | LocalDB is updated to show no pending changes |  |  |

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| **Exception Conditions** | | |
| **Exception Situations** | **Action(s) on Exception** | **Adds/Alt Use Case #** |
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| Post-Conditions | |
| **#** | **Description** |
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| **Candidate Objects** | | |
| **Class/Object Name** | **Descriptions** | **Possible**  **attributes** |
| User | The user who is using the process | Username, password, email |
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| **Assumptions** | | | | | |
| **#** | **Assumption** | **Date**  **Raised** | **Raised**  **By** | **Date**  **Verified** | **Verified By** |
| 1 | User has Internet access | 4/16/2016 | Troy Riblett |  |  |
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| **Issues** | | | | | |
| **#** | **Issue** | **Date**  **Raised** | **Raised**  **By** | **Date**  **Verified** | **Verified By** |
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| **Other Comments** | | |
| **Author** | **Comment** | **Date** |
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| Frequency of Execution |
| **Frequency:**  Minimum: 24 Maximum: 240 Average: 120 (OR)Fixed:  **Per:** Hour:Day:  Week:  Month:  Day:  Other: |

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| **Timing Information** | | | | | | | |
| **#** | **At/**  **Between** | **Step(s)** | **Timing**  **Unit** | **Minimum** | **Average** | **Maximum** | **Comments** |
|  |  |  |  |  | N/A |  | For this operation, some type of loading/processing icon should be displayed as it might not be trivial |
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| **Volume Information** | | | | | | |
| **#** | **Step #** | **Unit of**  **Measure** | **Minimum** | **Average** | **Maximum** | **Comments** |
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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:  Exception #:  Start(Trigger) Stimulus:  Type of Execution (optional): Manual:  Automatic: |

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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/Alt Use Case #** | **Business Rule(s)#** |
| 1. |  |  |  |
| 2. |  |  |  |
| 3. |  |  |  |
| 4. |  |  |  |

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