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| General Information | |
| Use Case ID Number : UC7.3  Subject Area : Analysis  Description : Display patterns and correlations to the user | Responsible Analyst : Troy Riblett |

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| Requirements/Feature Trace | |
| **REQ#** | Requirements Name and / or Short Description |
| 7.3 | Display patterns and correlations to the user |
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| Revision History | | |
| Author | **Date** | **Comments** |
| Troy Riblett | 4/24/2016 | 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 | Android app user |
| Analysis module | S | The graphical user interface that displays the user’s information that was requested |

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| **Pre-Conditions** | |
| # | Description |
|  | This use case should be called after the user requests analysis and the results have been returned. |

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| **Start Stimulus** |
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| **Use Case Main Course Steps** | | | |
| **Number** | **Description** | **Adds/Alt UC Name/Number** | **Bus Rule(s)#** |
| 1. | Analysis module receives the correlation data from the system |  |  |
| 2. | Analysis module sorts the correlation values |  |  |
| 3. | Analysis module displays the correlation values in descending order of absolute value |  |  |
| 4. | User presses done when done viewing. |  |  |
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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** |
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| **Assumptions** | | | | | |
| **#** | **Assumption** | **Date**  **Raised** | **Raised**  **By** | **Date**  **Verified** | **Verified By** |
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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: Maximum: Average: (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** |
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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: UC7.2  Description: Displays the information that was returned by use case 7.2.  Reason for Execution: Standard procedure Non Exception:  Exception:  Exception #:  Start(Trigger) Stimulus: UC7.2 is finished running  Type of Execution (optional): Manual:  Automatic: |

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| Insertion Point |
| Step Inserted After |
| Inserted after step 5 of UC7.2 |

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| Pre-Conditions | |
| 1. | The user’s correlations should have been determined. |
| 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. | The user’s correlation values are displayed to the screen. |
| 2. |  |