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| General Information | |
| Use Case ID Number : UC6.1  Subject Area : Biometrix Account Creation  Description : New user creates request to create a Biometrix account | Responsible Analyst : Troy Riblett |

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| Requirements/Feature Trace | |
| **REQ#** | Requirements Name and / or Short Description |
| 6.1 | User Account Creation |
| 6.1.1 | Creation of username and password connected to email address |
| 6.1.2 | Login Information stored in secure way |
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| Revision History | | |
| Author | **Date** | **Comments** |
| Troy Riblett | 2/28/2016 | First draft |
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| **Insertion Points in other Use Cases** | | |
| Use Case Name | **Use Case Number** | **Step Inserted After** |
| Biometrix Account Verification | UC6.1B | 09 |
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| **Actors** | | |
| **Actor Name** | **P/S** | **Brief Description** |
| Biometrix User | P | New users who have not yet created an account |
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| **Pre-Conditions** | |
| # | Description |
| 1 | Create Account Screen is displayed |
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| **Start Stimulus** |
| User chooses the option “Create Account” from the Navigation Drawer |

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| **Use Case Main Course Steps** | | | |
| **Number** | **Description** | **Adds/Alt UC Name/Number** | **Bus Rule(s)#** |
| 01 | Create account screen requests username |  |  |
| 02 | User enters username |  |  |
| 03 | Create account screen requests password |  |  |
| 04 | User enters password |  |  |
| 05 | Create account screen requests password again |  |  |
| 06 | User re-enters password |  |  |
| 07 | Create account screen requests email address |  |  |
| 08 | User enters email address |  |  |
| 09 | User clicks OK |  |  |
| 10 | System encrypts user password and stores user information in the database. |  |  |

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| **Exception Conditions** | | |
| **Exception Situations** | **Action(s) on Exception** | **Adds/Alt Use Case #** |
| Username already exists | Error message displayed that the username is already in use |  |
| Email address already exists | Error message displayed that the email address is already in use |  |
| Passwords don’t match | Error is displayed that passwords must match |  |
| Passwords don’t meet requirements | Error is displayed stating that passwords must be at least 6 characters long with a lowercase letter, an uppercase letter, and then a number or a special character |  |

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| Post-Conditions | |
| **#** | **Description** |
| 1 | User’s new account request is stored on the webserver |
| 2 | Android application returns to the home page |

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| **Candidate Objects** | | |
| **Class/Object Name** | **Descriptions** | **Possible**  **attributes** |
| User | Biometrix user | Username, token, email address |
| Account Screen | The create account page the user enters their information on | Username, Password, Email |

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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: 0 Maximum: 1 Average: 0 (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** |
| 1 | 02 | Characters | 4 |  | 16 |  |
| 2 | 04 | Characters | 6 |  | 16 | Passwords required to have at least 1 capital, 1 lowercase, and one number or special character |
| 3 | 08 | Characters | 5 | 15 | 60 |  |

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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. |  |