# Use Case # 5: User Account Creation

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| GENERAL CHARACTERISTICS | |
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| **Last Update:** | 9/25/2016 |
| **Scope** | Front end, back end |
| **Level** | Sub-level |
| **Status** | Incomplete, conceptualization |
| **Primary Actor** | Database |
| **Secondary Actors** | User |
| **Stakeholders and Interests** | [identifieds all of the stakeholders and what they hope to accomplish with the system. Some stakeholders may have multiple interests and some interests apply to multiple stakeholders] |
| **Preconditions** | User arrives at ‘Create Account’ screen and belongs to a university |
| **Success Post Condition** | User account is successfully created and user information is written to the database |
| **Failed Post Condition** | Error message appears on screen that email is taken or password does not match security requirements |

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| MAIN SUCCESS SCENARIO (or basic flow) | |
| **Step** | **Action -** description in words of each step in success scenario |
| 1 | User arrives at ‘Create Account’ screen |
| 2 | User enters an email address that does not existing in the database |
| 3 | User enters a password that meets the security requirements |
| 4 | User re-enters a confirmation password that matches the previously entered password |
| 5 | User selects univserity from list of universities |
| 6 | User email matches univsersity |
| 7 | Password is hashed |
| 8 | Account creation is successful, verification email is sent to user email |

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| EXTENSIONS or Alternate Flows | |
| **Step** | **Branching Action** |
| 2  3  4  6  8 | User enters an email address that exists in the database  Error message appears on screen that email address is taken |
| User enters a password that does not meet the security requirements  Error message appears on screen that password does not meet security requirements  User enters a confirmation password that does not match the previously entered password  Error message appears on screen that passwords do not match  User email does not match university email  Error message appears on screen that email does not match university  User email does not exist  Verification email bounces back, no other prevention is required |

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| SPECIAL REQUIREMENTS | |
| **Req Num** | **Requirement** |
| *n* | [any non-functional, quality attribute or constraint related to the use case. IE: POS system should use touchscreen UI.] |

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| TECHNOLOGY AND DATA VARIATIONS LIST | |
| **Var Num** | **Variation** |
| *n* | [variations on how things should be done. IE: “POS system must support credit card input by card reader or keyboard.”, or “Barcode reader should support UPC, EAN and SKU barcode types”] |

***FREQUENCY OF OCCURRENCE***: [How frequently will this Use Case occur?]

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| OTHER ISSUES | |
| **Issue Num** | **Issue** |
| *n* | [list of all requirements or possible requirements that have been deferred to future increments; any open questions that need to be answered before the use case can be completed] |