# Test Plan

## Foundation – N-item Sort – Admin Set-up (Chris Stultz)

## Fields

* **Username** 
  + Alphanumeric between 3 and 20 characters in length INCLUSIVE and must be a valid username and password in the login database for an admin user.
* **Password** 
  + Alphanumeric between 3 and 20 characters in length INCLUSIVE with the use of both upper and lower case letters and the inclusion of one numerical digit and one special character and password must be a valid password in the login database for an admin user.
* **Item** 
  + Alphanumeric between 1 and 20 characters in length INCLUSIVE

## Restrictions

Items database empty at startup (OPTIONAL)

FINISH button disabled at startup (REQUIRED)

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| **Test** | **Username** | **Password** | **Item** | **Items DB** | **Expected Results** | **Actual Results** |
| Username is blank |  | P@ssword1! |  |  | Error:  “Username length must be between 3 and 20 characters.”  Focus on Username |  |
| Username length 1 less than minimum | AB | P@ssword1! |  |  | Error:  “Username length must be between 3 and 20 characters.”  Focus on Username |  |
| Username length 1 greater than maximum | ABCDEFGHIJKLMNOPQRSTU | P@ssword1! |  |  | Can’t type the U |  |
| Password is blank | Cstultz |  |  |  | Error:  “Password length must be between 3 and 20 with the use of both upper and lower case letters, numerical digits and special characters.”  Focus on Password |  |

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| Password length 1 less than minimum | Cstultz | | P@ |  |  | Error:  “Password length must be between 3 and 20 with the use of both upper and lower case letters, numerical digits and special characters.”  Focus on Password |  |
| Password length 1 greater than maximum | | Cstultz | Y0uW!llNeverGuessThis |  |  | Can’t type the s |  |
| Password includes uppercase letters only | | Cstultz | PASSWORD |  |  | Error:  “Password length must be between 3 and 20 with the use of both upper and lower case letters, numerical digits and special characters.”  Focus on Password |  |
| Password includes lowercase letters only | | Cstultz | password |  |  | Error:  “Password length must be between 3 and 20 with the use of both upper and lower case letters, numerical digits and special characters.”  Focus on Password |  |

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| Password contains special characters only | Cstultz | !!!!!!!!!! |  |  | Error:  “Password length must be between 3 and 20 with the use of both upper and lower case letters, numerical digits and special characters.”  Focus on Password |  |
| Password contains digits only | Cstultz | 123456789 |  |  | Error:  “Password length must be between 3 and 20 with the use of both upper and lower case letters, numerical digits and special characters.”  Focus on Password |  |
| Password contains uppercase and lowercase only | Cstultz | Password |  |  | Error:  “Password length must be between 3 and 20 with the use of both upper and lower case letters, numerical digits and special characters.”  Focus on Password |  |
| Password contains uppercase and special characters only | Cstultz | P@SSWORD |  |  | Error:  “Password length must be between 3 and 20 with the use of both upper and lower case letters, numerical digits and special characters.”  Focus on Password |  |
| Password contains uppercase and digits only | Cstultz | PASSWORD1 |  |  | Error:  “Password length must be between 3 and 20 with the use of both upper and lower case letters, numerical digits and special characters.”  Focus on Password |  |
| Password contains lowercase and special characters only | Cstultz | password! |  |  | Error:  “Password length must be between 3 and 20 with the use of both upper and lower case letters, numerical digits and special characters.”  Focus on Password |  |
| Password contains lowercase and digits only | Cstultz | password1 |  |  | Error:  “Password length must be between 3 and 20 with the use of both upper and lower case letters, numerical digits and special characters.”  Focus on Password |  |
| Password contains special characters and digits only | Cstultz | %@$$()\*&1 |  |  | Error:  “Password length must be between 3 and 20 with the use of both upper and lower case letters, numerical digits and special characters.”  Focus on Password |  |

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| Password contains uppercase, lowercase, and special characters only | Cstultz | Password! |  |  | Error:  “Password length must be between 3 and 20 with the use of both upper and lower case letters, numerical digits and special characters.”  Focus on Password |  |
| Password contains uppercase, lowercase, and digits only | Cstultz | Password1 |  |  | Error:  “Password length must be between 3 and 20 with the use of both upper and lower case letters, numerical digits and special characters.”  Focus on Password |  |
| Password contains uppercase, special characters, and digits only | Cstultz | P@SSWORD1! |  |  | Error:  “Password length must be between 3 and 20 with the use of both upper and lower case letters, numerical digits and special characters.”  Focus on Password |  |

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| Password contains lowercase, special characters and digits only | Cstultz | p@ssword1 |  |  | Error:  “Password length must be between 3 and 20 with the use of both upper and lower case letters, numerical digits and special characters.”  Focus on Password |  |
| Admin credentials username & password not valid login | NotAdmin | P@ssword1! |  |  | Error:  “Username, password, or username and password not valid login credentials.”  Highlight username and password |  |
| Admin credentials username & password valid login | Admin | P@ssword1! |  |  | Able to login to the Admin Setup Page. Go to Admin Test Setup screen |  |
| Add Item to Items DB with whitespace |  |  | apples | apples | Able to add Item ‘apples’ to ItemsDB |  |
| ItemsDB contains 0 records |  |  | apples |  | Able to add Item to ItemsDB |  |
| ItemsDB contains 1 record |  |  | oranges | apples | Able to add Item to ItemsDB |  |
| ItemsDB contains 0 record |  |  |  |  | Able to show empty noneditable list of existing items to define test |  |

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| ItemsDB contains 1 record |  |  |  | apples | Able to show noneditable list of existing items to define test |  |
| Enter duplicate Item to ItemsDB |  |  | apples | apples oranges | Error:  “Item ‘apples’ already exists in the database.” |  |
| Enter duplicate Item to ItemsDB case mismatch |  |  | Apples | apples oranges | Error:  “Item ‘apples’ already exists in the database.” |  |
| Enter duplicate Item to ItemsDB extra white space |  |  | apples | apples oranges | Error:  “Item ‘apples’ already exists in the database.” |  |
| Enter duplicate Item to ItemsDB extra white space and case mismatch |  |  | Apples | apples oranges | Error:  “Item ‘apples’ already exists in the database.” |  |
| Item being added is blank |  |  |  | apples oranges | Error:  “Item length must be between 1 and 20.”  Focus on Item |  |
| Item length is 1 character |  |  | a | apples oranges | Able to add Item to ItemsDB |  |
| Item length 1 greater than maximum |  |  | Supercalafragilistic! | apples oranges | Can’t type the ! |  |
| 0 Items exist in the Items DB |  |  |  |  | FINISH button disabled |  |
| Only 1 exiting item has been entered in the Items DB |  |  |  | apples | FINISH button disabled |  |
| Only 2 exiting Items have been entered in the Items DB |  |  |  | apples  oranges | FINISH button  enabled |  |
| Only 2 exiting Items have been entered in the Items DB |  |  |  | apples  oranges | CANCEL button clicked shows Test Setup Cancelled message, clears added entries, and performs logout of the admin user |  |
| Only 2 exiting Items have been entered in the Items DB |  |  |  | apples  oranges | FINISH button  clicked shows Test Setup Success message, adds items to test, creates Test ID, and performs logout of the admin user |  |
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