Group: Nerd Herd

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Input

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| IN - 001 | Scan items and compare to those stored in database |
| IN - 002 | Users should be allowed to modify the amount of an item in a list. |
| IN - 003 | Users should be allowed to manually add new items. |
| IN - 004 | Users should be allowed to add categories to organize the items by. |
| IN - 005 | Users should be able to filter items to make looking for items easier. |
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| IN - 101 | Users should not be allowed to access supply listings that are outside their level of permissions. |
| IN - 102 | Users should not be allowed to modify the quantity of an item without correct permissions. |
| IN - 103 | Items being added should not be in the system already. |
| IN - 104 | Item addition should only be done when all required fields are filled out. |
| IN - 105 | Modifying information in the database should be logged. |

Output

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| OT - 001 | The application shall return all the items data after an item is scanned. |
| OT - 002 | The system shall send inventory reports to all system administrators on a specified schedule. |
| OT - 003 | The application shall prompt the user if the scanned item is not found in  the database. |
| OT - 004 | A notification should be sent out to the appropriate individuals regarding a change. |
| OT - 005 | Show items sorted in alphabetical order and based on categories and filter settings. |
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| OT - 101 | Output only the information stored in the database. |
| OT - 102 | Make sure the items displayed are in alphabetical order and correspond to the categories and filter settings. |
| OT - 103 | Reveal only the data the user has access to view |
| OT - 104 | Document output and user requesting output and store information in a log. |
| OT - 105 | Make sure the information being sent out is to the correct people. |

Process

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| PT - 001 | The application shall allow users to scan existing items and retrieve |
| PT - 002 | The system shall store inventory all inventory data on a server. |
| PT - 003 | The system should be configurable by the user. (custom categories) |
| PT - 004 | The system shall use multi-threading to separate background tasks and UI tasks |
| PT - 005 | Multiple users should be able to access the database at the same time. |
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| PT - 101 | Check if user has permission to access item. |
| PT - 102 | Periodically check storage capacity and send alerts if storage is 85% full. |
| PT - 103 | The software shall display the UI responsively between different android devices |
| PT - 104 | At least 95% runtime errors in any part of the application shall be handled such that it does not block the user from using the software and is informed that an error has occurred |
| PT - 105 | The system shall not take longer than 10 seconds to retrieve and display proper information when network connection is not an issue |