Use Cases

1. **A user should be able to scan a QR code on an item.**

* The user will hold the iPod in front of the QR code, and let it scan the code.

1. **A user should be able to see product details.**

* After the user scans a QR code for an item, they will be taken to a page that contains details about the product.
* This will include a picture and description of the item including the price
* An option to see more information about the item if there is more information.
  + If the more info is tapped or clicked a longer description will appear in a drop down box pertaining to the item being viewed.
* There will be a button in the top right corner that will take you back to the scanner.
  + If this button is tapped then you will exit the product detail page and go back to the scanner to be able to scan more products.

1. **A user should have the ability to choose to see more details.**

* After a user scans a QR code and is looking at the product details, they will see a short description of the item along with a picture.
* If the item has a lengthy description to it or has multiple points of information about it there will be an option to see more details about the product.
  + This will be a drop down box that if tapped or clicked will show more details about the product currently being viewed.
* There will be a button in the top right corner that will take you back to the scanner.
  + If this button is tapped then you will exit the product details page and go back to the scanner to be able to scan more products.

1. **A user should be able to see a picture of the product.**

* After the user scan the QR code they will be taken to a page that contains information about the items.
* This will give them a short description of the item along with a picture of the item.

1. **A user should be able to see related items.**

* After the user scans the items and can see the product details page with a picture of the item and a description, they should also be able to see items that are related to the item that they scanned or the item that they are viewing at that time, this might include the same item in a different color, or the same item in a different size.
* The user will be able to scroll through pictures of items related to the one being currently viewed.
  + If the user clicks on a related item it will take them to a page containing the product details of the item tapped or clicked on. This page will look like the same page as if the user scanned a QR code for the item.
* There will be a back button in the top left corner.
  + Once the user has went to another page from the initial product details page of a scanned item, the back button will appear so that if the user wants to go back only a page or two they can.
* Scanner button in the top right corner.
  + This button will still appear in the top right corner, so that if the user has went to several different pages looking at various items they can exit from whatever page they may be on, and go back to the scanner to scan more QR codes.

1. **A user should be able to exit the page back to the scanner easily.**

* When a user is done looking at an item’s details or done looking at any related items, they should have the option to exit back to the scanner easily so that they can scan other items and look at them as well.
  + This will be done by tapping the button in the top right corner that will once they are on a product details page. Once tapped it will exit the page currently being viewed and go back to the scanner.

1. **A user should be able to access info from a computer.**

* A user should also be able to look at items and access the information about the items from a computer as well, not just from scanning a QR code at the store. The user should be able to see the same items and the same information as if they were in the store. The user should also be able to see some items that are available online that may not be in the store.
  + The users will be able to access the items from a computer by going to the website. Simply by opening up a browser of their choice and typing the correct url in for the website. Once on the website all they need to do is simply look at the products and click on them to see details.

1. **Admin should be able to log into website.**

* There will be a page for the administrator to log into which will be Dr. Sears, this page will allow him to update inventory and create new QR codes for items.
  + Dr. Sears will be able to log in and update inventory by accessing the website and selecting the login option. He can access the website by using his phone or by using his computer. After entering the correct username and password he will then hit login.

1. **Admin should be able to update database with new items.**

* After the administrator logs in to the website he will be able to update the database with any new items that may be added.
  + Once the login is successful and Dr. Sears is logged in he should see his username displayed up at the top, and three buttons under the username add item, remove item, and modify item.
* Add item button
  + If Dr. Sears selects add item, it will take him to a new screen which will contain a browse button which will open a dialog box that will allow him to search for the picture he wishes to upload.
  + After uploading the image Dr. Sears can add a title to the picture by selecting the textbox and typing the title in.
  + After adding a title Dr. Sears can add the price by selecting the textbox for the price and typing in the price.
  + When finished adding the price Dr. Sears will be able to add a description of the product, he will do this by selecting the textbox for the short description and typing in a short description.
  + If the item requires or has a more descriptive and detailed description to it than what has been added to the short description textbox, Dr. Sears may then select another textbox for a longer more detailed description and then typing it in there.
  + After entering all the text and information about the item Dr. Sears will then hit the next button, which will be located at the bottom of the screen after the detailed description textbox.
    - On this screen this will be a preview of the product details page for the item he is wishing to add. This screen will also contain two buttons at the top modify and logout, along with the picture of the item title, price, details, more details, and a submit button at the bottom of the screen.
    - The modify button will be for if Dr. Sears wishes to change some of the information that he has input already. If he taps or clicks this button he will be taken back to the previous screen that will allow him to edit any of the information he wants.
    - Logout button will allow Dr. Sears to logout if he wishes to.
    - After Dr. Sears has made sure that all the information about the product is right and likes the way it looks he will hit the submit button at the bottom of the screen.
      * After hitting submit Dr. Sears will be taken to a screen that displays a message saying that he has successfully added a new item. Below the message there will be a button that says home on it. After hitting the home button it will take him back to the home screen that has the add, modify, and remove buttons on it.
* Remove item button
  + When Dr. Sears selects this button from the home page he will be taken to a new screen that will have a three buttons on it, a back button. Logout button and search library button. The back button will just go back to the home screen, and the logout out button will just log him out.
  + When Dr. Sears selects the search library button he will be taken to another screen.
    - This screen will have all the items for Dr. Sears to scroll through and select which item he wants to remove. After he selects the item he will be taken to another screen.
      * In this screen he will see the back button in the top left in case he wants to go back to the library of items to scroll through, the logout button in case he wants to logout, and the remove button. Under the remove button will be the picture and item details of the selected item.
      * When Dr. Sears hits the remove button he will be prompted with a message box that asks if he is sure he wants to remove the selected item. If he selects yes then he will be taken to a screen that confirms he has removed the item. He can then select the home button to be taken back to the home screen.
* Modify item button
  + When Dr. Sears selects this button from the home page he will be taken to a new screen that will have a three buttons on it, this will look just like the remove screen.
  + When Dr. Sears selects the search library button he will be taken to another screen.
    - This screen will have all the items for Dr. Sears to scroll through and select which item he wants to modify. After selecting the item he wants to modify he will be taken to another screen.
      * In this screen it will have the back button in the top left if he wants to go back, the logout button if he wants to logout, and a modify button so that he may modify the selected item. Under the modify button will be the image and the item details.
      * When Dr. Sears selects the modify button he will be taken to a screen that is exactly like when adding a new item. He will be able to edit the image, title, price, and description of the item.
      * After he is done modifying the information of the item he will submit it and it will be updated in the database. He can then select the home button to take him back to the home screen.
* Logout button
  + Logout button allows for Dr. Sears to logout of the website.

1. **Admin should be able to remove items from database.**

* After the administrator logs in to the website he will be able to also remove any items from the database.
  + After Dr. Sears logs in and is on the home screen he can select to remove an item from the database.
    - After selecting remove he will be taken to a screen that allows him to search the library of items he has and select which item he wants to remove.
      * After he selects the item he wants to remove he will be taken to a screen that has the remove button on it along with a back button, logout button, and the picture and item details.
      * Hitting back will simply take him back to the library of items to select from. Hitting logout will simply log him out.
      * Hitting the remove button will ask him if he is sure he wants to remove the selected item. If he selects yes it will take him to a screen that confirms the item was removed. He can then go back to the home screen by selecting the home button at the bottom of the screen.

1. **Admin should be able to automatically create a new QR code when adding an item.**

* When the administrator logs in to the website to update inventory, if he is adding a new item, after he adds the item to the database a new QR code should automatically be generated for that item.
  + Once Dr. Sears adds a new item to the database by hitting the submit button, a new QR code should be automatically generated and applied to the item that was just added.

1. **Admin should be to print QR code.**

* After the administrator adds a new item to the database and a new QR code is generated, the administrator should be able to print the QR code. When printing the QR code the administrator should also be able to select what size of a label to print.
  + After the QR code has been generated for the item and Dr. Sears wants to print it off, he will find the item and then select the QR code for it, then he will select print.
  + Once he selects print for the QR code he will be taken to a print dialog box where he can select different size labels to print the QR code on.