**Inventory Management System (IMS) Documentation**

## Milestones:

**February 29, 2024:**

**Functionalities as of now:**

* Add product works as intended. The user can add a single product, with just a single size, and a single color and the quantity as well.
* Product list works as intended.

**What needs work on:**

* Work on the Sold, Refund, Edit and Delete button.
* When editing, a user should be able to modify, and add another new variation of the same product.
* When deleting, it will delete the whole product from the list.

**Sold Button:**

* Subtracts the number of sold stock of a product variation of the specific product, size, and color.
* Updates the total # of stocks.
* Creates a variable called totalRevenue which is a multiplication of the Sold Products to the Selling Price and adds it to the profit column in the sales table.

**March 17, 2024:**

**Functionalities as of now:**

* Add product works as intended. The user can add a single product, with just a single size, and a single color and the quantity as well.
* Product list works as intended.
* Sold button works as intended and added to the financial report.
* Delete button works when deleting a product.
* Simple User Login/Logout/Signup works.

**What needs work on:**

* Refund button:
  + Need to create a “refunds” table to keep track of the refunds. Columns would be:
    - **Id**
    - **transaction\_date**
    - **refund\_date**
    - **refunded\_quantity**
    - **refund\_reason**
  + Then the business logic of updating the profit/loss statement for the financial statement should be done.
  + Return the quantity of the refunded product to the original quantity of the original product.
  + Create a “Refunds” view to display all the refunds.
* Edit button:
  + Should be able to add a product variation with this button.
  + Should be able to edit product information correctly and update the database.
* Homepage view:
  + Edit the information provided and the overall UI of the homepage.

**March 29, 2024:**

**Functionalities as of now:**

* Add product works as intended. The user can add a single product, with just a single size, and a single color and the quantity as well.
* Product list works as intended.
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* Delete button works when deleting a product.
* Simple User Login/Logout/Signup works.

**What needs work on:**

* Refund button: (DONE April 7, 2024)
  + Refunds the item and puts back the stocks into the inventory, as well as report negative values in the sales report.
* Edit Product Button: (PENDING)
  + Should be able to add a product variation with this button.
  + Should be able to edit product information correctly and update the database.
* Homepage view: (DONE March 29, 2024)
  + Edit the information provided and the overall UI of the homepage.
* Edit Profile functionality: (DONE March 30, 2024)
  + Be able to edit properly the user details.
  + Be able to upload user profile picture.
* PDF and Excel download: (PENDING)
  + Be able to download the reports via PDF or Excel file.
* Add log4j logging and Spring security (PENDING)
* Add @ResponseStatus for each HTTP request: (PENDING)
* Clean up and add comments at the end (PENDING)
* Do testing for each method (PENDING)
* Users should have their own inventories and sales report now. (DONE March 31, 2024)
* Work on hashing the password for security or look up how password is handled in enterprise applications. (PENDING)
* Add product should also save the user’s id who saved it. (DONE April 4, 2024)

**April 7, 2024:**

* What I’ve worked on:
  + I’ve added some modifications in the products view and the sales report view.
  + The refund functionality still needs work on. It is currently refunding incorrectly if the quantity sold is 0. (PENDING)