

USER STORY ESTIMATION

1. **As the pharmacist, I can add new items to the product list so that I can monitor if it is sellable or not.**
 - a. Test that the pharmacist can enter the name of the new item.
 - b. Test that the pharmacist can enter the buying price of the new item.
 - c. Test that the pharmacist can enter the selling price of the new item.
 - d. Given that the pharmacist clicks the “Add” button, test that the pharmacist can see feedback that the product list now contains the newly added item.
 - e. Given that the pharmacist clicks the “Add” button and has entered an item name already in the list, test that feedback is shown, disallowing its addition to the list.
 - f. Given that the pharmacist clicks the “Add” button and has left any field blank, test that feedback is shown cueing what fields were left unfilled.
 - g. Test that the item and its attributes have been stored in the database.

ESTIMATION:

Group Estimate	Priority
1d	10

2. **As the pharmacist, I can label items as “discontinued” so that these items will not be reordered.**
- a. Test that the pharmacist can select an item name from a selection of current items’ names.
 - b. Given that the pharmacist has clicked the “Discontinue” button without selecting any item, test that feedback is shown to prompt the pharmacist about choosing from the selection.
 - c. Test that the pharmacist can confirm or cancel the discontinuation after clicking the “Discontinue” button..
 - d. Test that the item’s status attribute is correctly updated in the database.

ESTIMATION:

Group Estimate	Priority
4h	15

3. **As the pharmacist, I can view the list of items that are out-of-stock or below the reorder point so that I can easily determine which items to reorder.**
- a. Test that the pharmacist can see a list of items displaying the item name and remaining quantity.
 - b. Test that the items are listed in alphabetical order according to status; out-of-stock items are listed first, followed by items below the reorder point.

ESTIMATION:

Group Estimate	Priority
4h	20

4. **As the pharmacist, I can view the product list so that I may use it as a reference on products available in the pharmacy.**
- a. Test that the pharmacist can see a list of items displaying the item name and remaining quantity, buying price, and selling price.
 - b. Test that the items are listed in alphabetical order.

ESTIMATION:

Group Estimate	Priority
4h	11

5. **As the pharmacist, I can update the quantity and add expiry dates to the product list as a record of restocked items.**
- a. Test that the pharmacist can enter the quantity of delivered stock.
 - b. Test that the pharmacist can select an item name from a selection of current items' names.
 - c. Test that the pharmacist can select the new delivered item's expiry date from three selections: month, day, and year.
 - d. Test that the year drop-down contains the range from current year to four years from now.
 - e. Given that the pharmacist enters a quantity, selects an item name, and clicks the "Add" button, test that feedback is displayed showing the item name and its added quantity (e.g., "20 pcs. Neozep added.");
 - f. Given that the pharmacist incompletely provides the expiry date and clicks the "Add" button, test that feedback is displayed cueing what dropdowns needed selection.
 - g. Test that the modified quantities and expiry dates are updated correctly in the database.
 - h. Test that the restocked items are represented in the database as a batch of items described by the item name and expiry date.

ESTIMATION:

Group Estimate	Priority
2d	15

6. **As the pharmacist, I can record the transaction details (item, quantity and total sales) every time a customer purchases since it will form part of the daily sales report.**
- a. Test that the pharmacist can enter the quantity of sold item.
 - b. Test that the pharmacist can select an item name from a selection of current items' names.
 - c. Test that the pharmacist can choose to set the transaction date to today, or to set it manually at a different date.
 - d. Given that the pharmacist chooses to set the date manually, test that the pharmacist can set the date through three dropdowns: month, day, and year.
 - e. Test that the one day before the current date is the default selection for the three dropdowns.
 - f. Given that the pharmacist clicks the "Add" button and with all fields filled out, test that feedback is shown confirming its addition to the database (e.g., "Transaction added.")
 - g. Test that the inputted transaction details are stored in the database.
 - h. Test that the quantity of the item is deducted from the item with same name and with the earliest expiry date.
 - i. Given that the pharmacist leaves any field blank and clicks the "Add" button, test that there is feedback shown, cueing the fields that need input.

ESTIMATION:

Group Estimation	Priority
2d	10

7. **As the pharmacist, I can manage the documentation of expired and near-expired items so that I am able to appropriately tag, recall to the supplier, or dispose.**
- a. Test that the pharmacist can see a list of current items, displaying the item name and expiry date.
 - b. Test that if the various items of the same product have varying expiry dates, the earliest expiry date is displayed alongside the item name.
 - c. Test that the table groups the items according to status; expired items are shown first, followed by the near-expired. The groupings are ordered according to their expiry dates.
 - d. Test that all items in the table have a "Remove" alongside them.
 - e. Test that clicking on the "Remove" option erases the item from the list.
 - f. Test that the system indicates those medicine whose expiry month is the current month as expired.
 - g. Test that the system indicates those medicine whose expiry month within 6 months of current month as near-expired.

ESTIMATION:

Group Estimation	Priority
1d	15

8. **As the owner, I can view the daily sales report as basis for the computation of the monthly sales report and the monthly income statement.**
- a. Test that the owner can view the daily total sales.
 - b. Test that the owner can view the weekly total sales.
 - c. Test that the owner can view the monthly total sales.

ESTIMATION:

Group Estimate	Priority
2d	20

9. **As the pharmacist, I can export the lists to an external file so that I may be able to have a printed copy if the need arises.**
- a. Test that each list can be exported to an external file
 - b. Test that the exported list has the appropriate header (List name - mm/dd/yy)
 - c. Test that the exported file has the appropriate filename (List name - mm/dd/yy)
 - d. Test that the data exported is accurate.
 - e. Test that the pharmacist may create multiple copies of the external file

ESTIMATION:

Group Estimate	Priority
5d	90