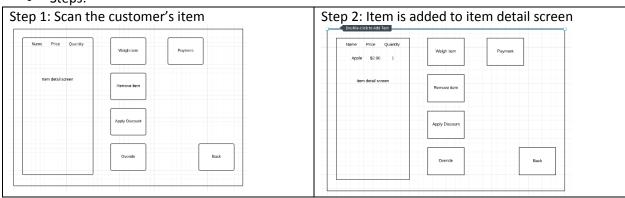
Mr. Smith is the owner of a grocery store. He has a computer and a scale. He will buy a barcode reader. He currently manages goods in his store using Excel. Each kind of goods (e.g. bread, beef, apple...) has the following information: name, barcode number, number of available units, price per unit, provider name, and provider contact information. He currently checks out his customers' orders using a handheld calculator and writes down the receipts manually. He inputs and updates the information of the goods in his store directly to the Excel spreadsheet. He wants you to develop a software application for store management

Here are the user stories you want to support in Iteration 1:

- 1. As a user, I want to check out an order in store for a customer
- 2. As a user, I want to add a new product into the system.
- 3. As a user, I want to update information (e.g., price, available quantity) of a current product in the system.

Task: Write a detailed use case for each user story. At each step, you should provide a prototyped screen sketching how the system might look and work.

- 1. As a user, I want to check out an order in store for a customer.
 - Name: Checking out an order in store
 - Actor: Cashier
 - Goals: A cashier will begin checking out a customer in store by scanning/weighing each item and
 that item's information will automatically be transferred to the computer through the new
 software application. The system will prompt the cashier for methods of payment, cancelling an
 item, or any other situation for meeting the needs of the checkout situation.
 - Pre-conditions: The cashier has the computer on and the application running. The cashier has
 the scale and barcode reader in working condition. The cashier has logged into the system with
 their cashier ID. There is a customer in the checkout line ready with items to be scanned in for
 checkout.
 - Summary: The cashier will begin scanning/weighing every good that the customer would like to checkout. Once scanned, the system will recognize what the item is and display a brief description of the item on the screen in chronological order. This process will continue until all items have been scanned in. The cashier will select to finalize the checkout transaction and then choose the payment type. The payment will be processed and then a receipt with be printed that details all of the items that were purchased.
 - Steps:



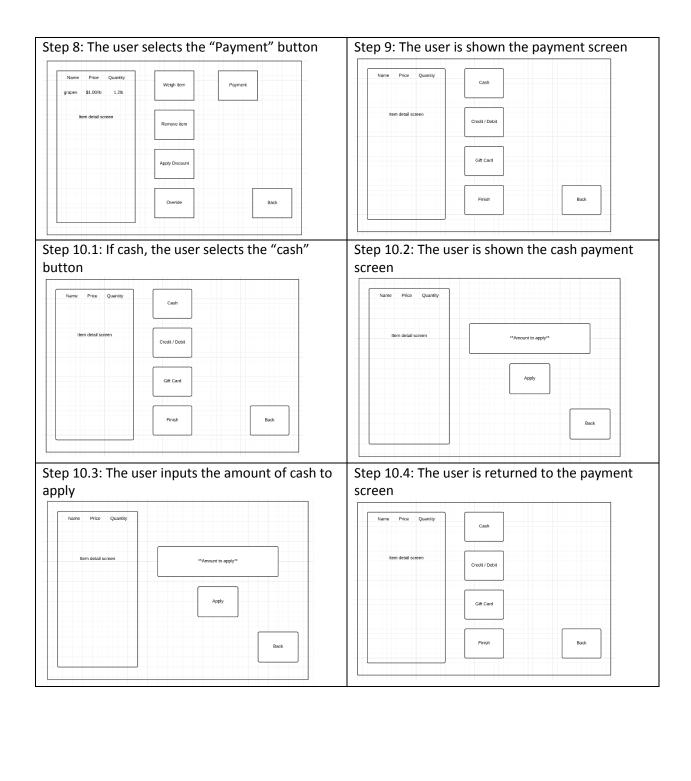
Step 3.1: If item needs to be weighed, the user Step 3.2: The item ID, weight, and adjusted price scans the item then puts the item on the scale are added to the item detail screen. and selects "weigh item" button. Step 4.1: Steps 1 through 3 are repeated for all Step 4.2: Steps 1 through 3 are repeated for all items. items. Step 5.1: if item needs to be removed, user Step 5.2: Items are removed from item detail selects items to be removed and then selects screen. "remove item" button. Step 6.1: If item price needs to be adjusted/ user Step 6.2: User is prompted for manger number selects "override" button. Step 6.4: User is shown the override screen Step 6.3: Manager number is inputted grapes \$2,00/lb 1,2lbo grapes \$2.00fb 1.2lbo "enter price"

Step 6.5: User selects item to be overridden/ Step 6.6: The price is changed on the item detail inputs new price screen. The user is shown the checkout screen grapes \$2.00/lb 1.2lb 1.00 Step 7.1: If discount needs to be applied the user Step 7.2: The user is prompted to scan discount presses "apply discount" button code Weigh item \$1.00/lb Apply Discount 7.5 The system applies corresponding discount/ Step 7.3 The user scans discount code the user is shown the checkout screen Quantity Weigh item Payment Name Price Quantity grapes \$1.00/lb 1.2lb Weigh item Payment grapes \$1.00/lb 1.2lb Item detail screen Item detail screen Remove item Apply Discount Apply Discount

Overide

Back

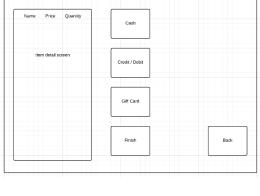
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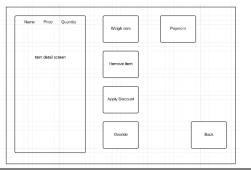
Step 11.1: If gift card, the user selects the "gift Step 11.2: The user is shown the gift card screen card" button Scan Gift Card Step 11.4: The gift card is looked up and the Step 11.3: The user scans the gift card to be used balance is shown to the user Scan Gift Card Scan Gift Card Step 11.5: The user enters the amount to apply Step 11.6: The amount to be applied is deducted from the gift card/ hits "apply" button from gift card and applied to total, the transaction is also shown on the item detail screen. The user is returned to the payment screen. Credit / Debit

Step 12.1: If card, the user selects "credit/debit" Step 12.2: The user is shown the credit/debit button screen. The customer is then prompted to carry out their transaction on the pin pad. Once completed the amount applied to the card is applied to the total. And the user is returned to the payment screen. Waiting on Cutomer to Finish Step 12.3.1: If the transaction needs to be Step 12.3.2: The system reattempts the process restarted, the user selects the "reattempt" and the user is returned to step 12.2 Waiting on Cutomer to Finish Waiting on Cutomer to Finish Item detail screen Step 12.3.2: If the transaction needs to be Step 12.3.3: The user is returned to the payment cancelled, the user selects the "cancel" button screen. Price Quantity Waiting on Cutomer to Finish Waiting on Cutomer to Finish

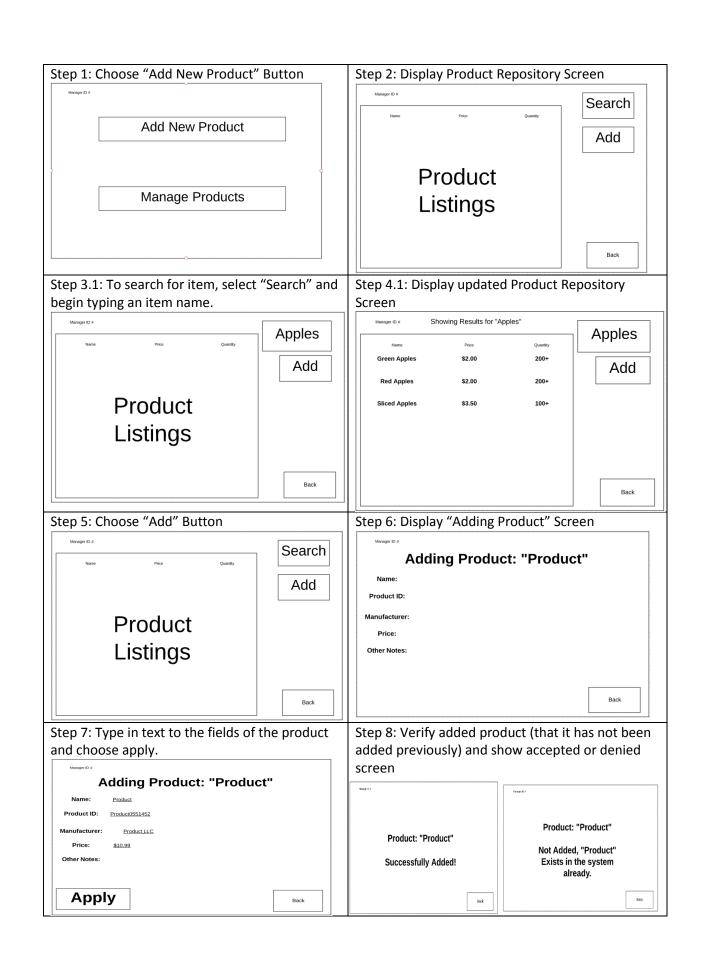
Step 13: The user is ready to finalize checkout, the user selects the "finish" button

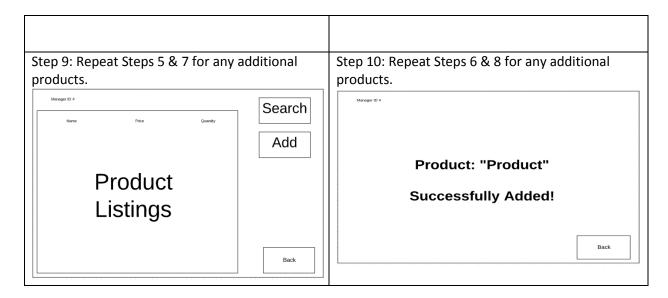


Step 14: The items on the item detail screen are deducted from their corresponding inventories. The completed transaction is stored in memory. A receipt is printed. The user is returned to the checkout screen.

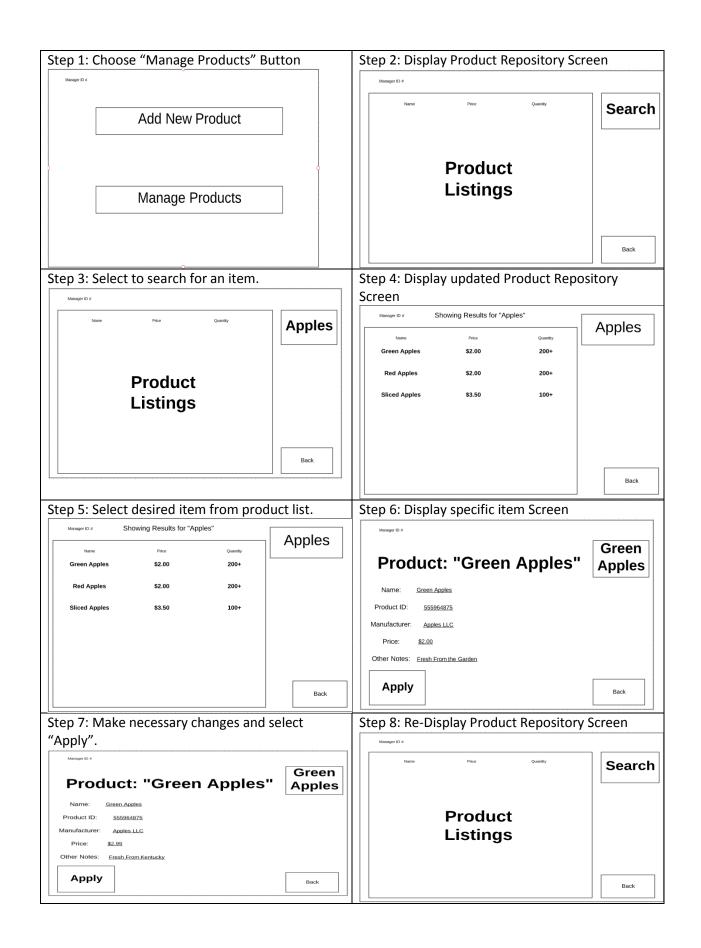


- Post-conditions: The checkout is complete and the store inventory has been updated automatically in the system to account for the items that were just sold. The cashier is still logged into the system for preparation to checkout the next customer.
- 2. As a user, I want to add a new product into the system.
 - Name: Adding a new product
 - Actor: Manager
 - Goals: A manager has a need to add an additional product into the system whenever there is a
 new product on the market or one has simply not been added yet. Adding it to the system will
 store the item permanent into the database so it will not have to be added again. A manager
 will log into their account within the system and manually enter the item's information because
 they will not be able to scan/weigh the item (the system does not recognize it yet). The manager
 will upload the item into the system so that during future checkouts if a customer buys the item
 then the system will recognize the item's details.
 - Pre-conditions: The manager is logged into the system. The item they are trying to add into the system is not already present within the system.
 - Summary: The manager has a need to add a new item into the system so that for future checkouts it will be recognizable by the system scanning method. The manager is logged in and selects the option to add a new item to the system. The new entry screen will open and the manager will enter in the item details to the system fields. The manager will save the new item in the system so that it will not have to be re-added again. Now, this new item will be recognizable through the barcode scanning method when checking out a customer.
 - Steps:





- Post-conditions: The manager has successfully made a new entry into the system. They are still logged in so they can choose to add another item during this system or exit. The new product is now recognizable by the system for whenever it is scanned in next. Now, the product's details will appear just like every other product when it is scanned.
- 3. As a user, I want to update information of a current product in the system.
 - Name: Updating a product
 - Actor: Manager
 - Goals: A manager will need to update information of a product from time to time. Possibly the
 manufacturer has changed name/address or the product is out of stock. In order for the system
 to reflect these changes upon checkout, the manager will locate the item in the system and
 choose to edit the appropriate fields that need to be changed. The goal here is to successfully
 make edits to an already present item in the system so that for future transactions the new
 information is displayed and the old information is discarded.
 - Pre-conditions: The manager is logged into the system. The item they are trying to update is already located within the system.
 - Summary: In addition to being able to upload a new item into the system, the manager may
 need to simply update an item that is already recognized by the system. The manager may want
 to make changes to price, distributor, availability, or other things. They will select the item they
 wish to update and then select the fields that need changes made to them. The manager will
 choose to save the changes made so that the item will be recognized with the updates next time
 it is scanned during checkout.
 - Steps:



| • | Post-conditions: The manager has successfully made updates to an already existing item in the system. They are till logged in so they can choose to make changes to another item during this system or exit. The product now has new details and the old details have been discarded. Next time the item is scanned, the new entry details will be associated with the item. |
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