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AWD 1100

Final Project Proposal – Second Draft

04 April 2022

AutoZone Final Project

**Feature Descriptions**

* ***Separate Manager and Employee Login System***

The program will check for Boolean credentials in the employee class to decide if the employee

Is a regular employee or a manager. If they are a manager then they will be able to log in to both

Employee and manager mode, manager mode will give them the ability to edit products

* ***Main Menu drop down list with Statistics, Employee/Manager Mode Toggle, and Log Off***

Statistics will give the employee the ability to see trends for marketing and ordering purposes

Employee and manager mode toggle will give the user the ability to switch back from employee

And manager mode for price and product editing. Log off will prompt the user to log off and get

The program ready for the next user

* ***Drop down list with different product categories, when clicked will populate the product buttons and will be ready for click event to add to cart***

The different buttons will be populated based on the category chosen under the product category

Drop down list. When chosen, the program will determine what products to show based on the remaining stock that is in the database.

* ***Inventory search bar***

The search bar will show a list of items that match the user’s entered search. This will be a wide search with updated information giving narrower results as the user types.

* ***Rich text box that shows a preview of the order in receipt form***

This will be a user-friendly view of the final receipt so all math will be done as products are added so users can see the final cost with taxes and fees as they are adding items to the cart.

* ***Cash, Credit/Debit, Gift Card buttons for various checkout methods***

Each button opens a new form/modal that will give the user prompts to pay for the items in their cart. The cash form will give the user the ability to receive cash for the items and input how much cash was received using buttons or by manually inputting. The program will show the user what change needs to be given and will recommend bill and coin combinations that make the most sense. The credit card system will give the user a form for inputting a credit card’s information. The program will check for correct number of characters entered for each input and determine if the card is valid. If it is valid it will attempt to make a payment on the card. A gift card will check against a database of gift cards and balances and determine if the gift card is able to make the purchase or partial purchase. If the gift card balance becomes depleted it will return you back to the main screen and show the remaining amount needed to complete the purchase.

* ***Apply Coupon button to verify coupon code for discount***

Apply coupon will check against available coupon codes and apply a discount to the entire purchase.

* ***Customer Phone number search to apply loyalty rewards discount***

The loyalty rewards will apply a 5% discount to every purchase and every customer is entitled to this program. The user will input their phone number and the discount will be applied. If phone number is valid but not found in the system, a separate screen will load to add the customer to the loyalty reward program

* ***Manager Mode allows managers with proper credentials to add and remove products to different categories and revise prices on current products***

Manager mode will allow the user to modify product prices, names and inventory amount. The manager using this may also delete inventory and add new products**.** Manager Mode will also allow managers to add employees to the system for new hires

* ***Log off will allow users to log out of their account***

Log off will prompt the user with a message asking if they really would like to log out. If they cancel then the point of sale program will stay active, if they accept then the program returns to the original login screen and will be ready for use by the next employee or manager.

**Screen Mockups**

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**UML Diagrams**

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