Vending Machine Software

You've been asked to develop an application for the newest vending machine distributor, Umbrella Corp. They've released a new vending machine (Vendo-Matic 600) that is integrated with everyone's bank accounts allowing customers to purchase products right from their computers for convenience sake.

Menus and submenus:

- 1. Display items
- 2. Purchase items
 - 1) Feed Money
 - 2) Select Product
 - 3) Finish Transaction
- 3. Exit
- 4. Sales Report** Optional hidden menu item

Story	Acceptance Criteria
As a vending machine owner, I need a way to update my vending machine with a standard amount of inventory every time it's started.	Given a file contains the list of items formatted correctly
	When the vending machine is started
	Then inventory is created/updated with what items are in each slot based on the contents of
	the file. Each inventory item has a name, price, and type (beverage, candy, chips, gum).
	Given an item is in the inventory file
	When the vending machine is started and the inventory is updated
	Then the slot indicated is filled with five of that product
As a customer, I want to see items available for purchase in the vending machine.	Given an item is available
	When a customer displays items
	Then the item is displayed with the name, slot identifier and purchase price
	Given an item is sold out
	When a customer displays items
	Then the item is displayed as SOLD OUT
As a customer, I want to deposit money into the vending machine.	Given a customer is in the purchase menu
	Then they are able to deposit money in whole dollar amounts
	Given a customer is in the purchase menu
	When they deposit money
	Then his/her current balance is updated and displayed
As a customer, I want to purchase items from the vending machine.	Given a customer is on the purchase menu and has not deposited money (current balance is
	\$0) When they try to select a product
	Then they are given an error message that they must deposit money before making a
	selection
	Given a customer is on the purchase menu
	When they select an item for purchase that is available Then: 1) the customer's current balance is updated based on item cost 2) the inventory and
	balance of the vending machine are updated 3) the item is dispensed and the user receives a
	message based on the item type: All chip items will print "Crunch Crunch, Yum!" All candy
	items will print "Munch Munch, Yum!" All drink items will print "Glug Glug, Yum!" All gum
	items will print "Chew Chew, Yum!" 4) the customer is returned to the purchase menu
	Given a suctement is on the nurchase manu
	Given a customer is on the purchase menu When the customer attempts to purchase an item that is sold out or costs more than their
	current balance
	Then they are given an error message and returned to the purchase menu
As a customer, I want my change to be returned when I'm finished purchasing items.	Given a customer is on the purchase menu
	When they choose Finish Transaction
	Then the customer recieves (a message with) their change using nickels, dimes and quarters
	using the smallest amount of coins possible and the current balance is updated to \$0. They are
	then returned to the main menu.

	Given a customer has fed in money
	When the audit file is viewed
	Then there should be an entry for every time money was fed in labeled "FEED MONEY" that
	includes date, time, amount, new balance.
	Given an item has been purchased
As a vending machine owner, I want an audit file so	When the audit file is viewed
that I can see what my vending machine has sold.	Then there should be an entry for every purchase that includes date, time, item name, item
	slot, item price, remaining balance
	Given a customer has completed a transaction
	When the audit file is viewed
	Then there should be an entry for every transaction completed labeled "GIVE CHANGE" that
	includes date, time, amount of change, remaining balance (should be \$0)
	Given a product is in the vending machine
	When the sales report is run
As a vending machine owner, I want a sales report	Then there is a line for that product with the item name total number of sales
as a hidden menu option so that I can see the total	
sales since the machine was last started	When the sales report is run
	Then at the end of the report is a blank line followed by **TOTAL SALES** \$dollar amount
	indicating the gross sales from the vending machine.