Names:

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Questions:

1. The difference between an interface and abstract class is that an abstract class can have the subclasses that use it can implement the methods differently and be able to override the methods that are already in place. As for an interface it can only make the functionality of using the other classes implementations and not actually implementing the methods that are being used.

2. We should program to an interface so that hen calling an implementation of a certain method it ill implements the certain behaviour of that method, instead of having to put those specific implementations into a certain class we can have them in an interface, so it makes the code more flexible.

Changelog

ProductStockContainer changelog:

- Decided to use an abstract class as we can just use the same methods throughout the Inventory and ShoppingCart classes but since they have different values it made it easier.
- Added getProductQuantity method to a getter that returns the quantity of the product that as selected for the parameter.
- Added addProductQuantity method that adds a product with a certain quantity as an int to either the inventory or shopping cart.
- Added removeProductQuantity method that removes a product at a certain quantity as an int from the shopping cart or inventory.
- Added getNumOfProducts method that gets the number of products that are in the shopping cart.

ProductStockPair changelog:

- Added ProductStockPair method that pairs a product and the quantity of the stock of that product.

StoreManager changelog:

- Added getProductStock method that takes a product and returns its stock.
- Added getAvailableProducts method that return the product and stock pair from ProductStockPair.

- Added getCartContents method that takes the cartID and returns the product and stock pair from ProductStockPair.
- Added clearCartContents method that clears the cart with a specific id.
- Added getCartTotal method that returns the total from a specific cart id.
- Added getNumOfProducts method that returns an int of the number of products.
- Added isInCart method that returns a Boolean if the product is in a specific cart id.

StoreView changelog:

- Added makeButtonpanel method that returns a JPanel of specific panel buttons that were made.
- Added makeBrowsePanel method that returns a JPanel of specific panels for the browse panel.
- Added addProductFrame method that adds a product and a pane to the final gui.

ShoppingCart changelog:

- Added getNumofProducts method that returns an int of the number of products in the cart.
- Changed getProducts method to return a product, stock pair from ProductStockPair class.

Product changelog:

- Changed Product to one method named Product that initializes the price, name, and id of a product.

Inventory changelog:

- Added getNumOfProducts method that returns an int of the number of products in the inventory.
- Changed getProducts method to return a product, stock pair from the ProductStockPair class.
- Added initialize method that initializes all the products in the inventory.