Name of the Project: Point of Sale System

The Goal of the Project:

We decided to create an app to sell prepackaged mocktail drinks that customers can buy directly from our app with instructions on how to serve them. A usually iced drink made with any of various ingredients (such as juice, herbs, and soda water) but without alcohol : a nonalcoholic cocktail. Online orders will be directly shipped to the customer's doorstep.

Features:

Retailers: List the products to sell on the menu - allows customers to see the whole menu. This can be done by reading in a simple file containing menu items.

Add: add products to the menu for customers to buy. Save to file, we want the menu to be deployable to other instances.

Update the Menu: Allows sellers to remove items or change the name, price, and product description of a product. Save to file.

Calculate Profits: Calculate the total amount of money earned and count how many of each product we sold each day

Interactive GUI: Modeled after that of most retail POS systems to be intuitive and simple.

Customers: Display product list, allows customers to access menu

Add Products: Add products to the cart

Update the cart: Allows customers to remove or add more products to the cart

Pay: the total for all the products in your cart

Update: Add each sale towards total profits at the closing time (24hr window)

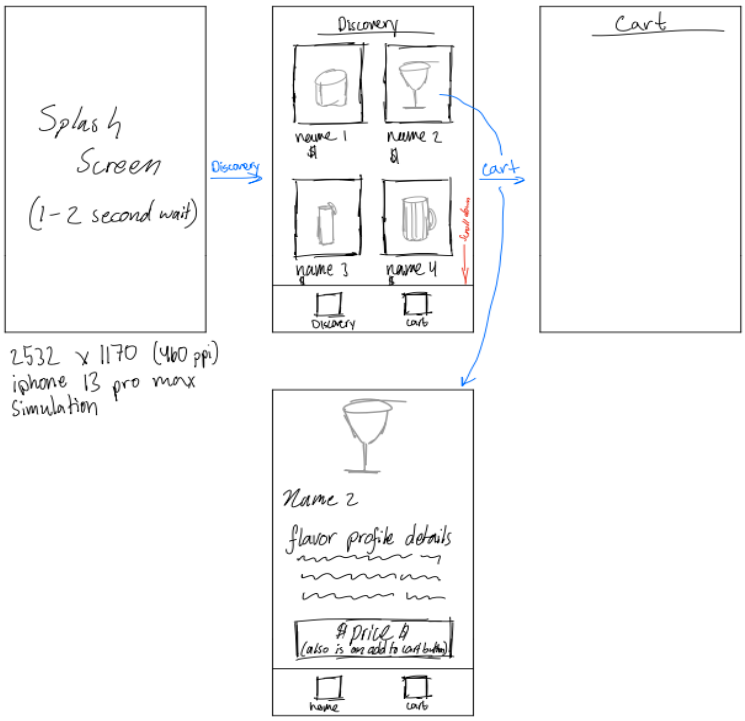
(Optional) Internal (local) database: To keep track of customer orders and planned shipments, possibly even previous orders for tax and legal reasons.

Receipt

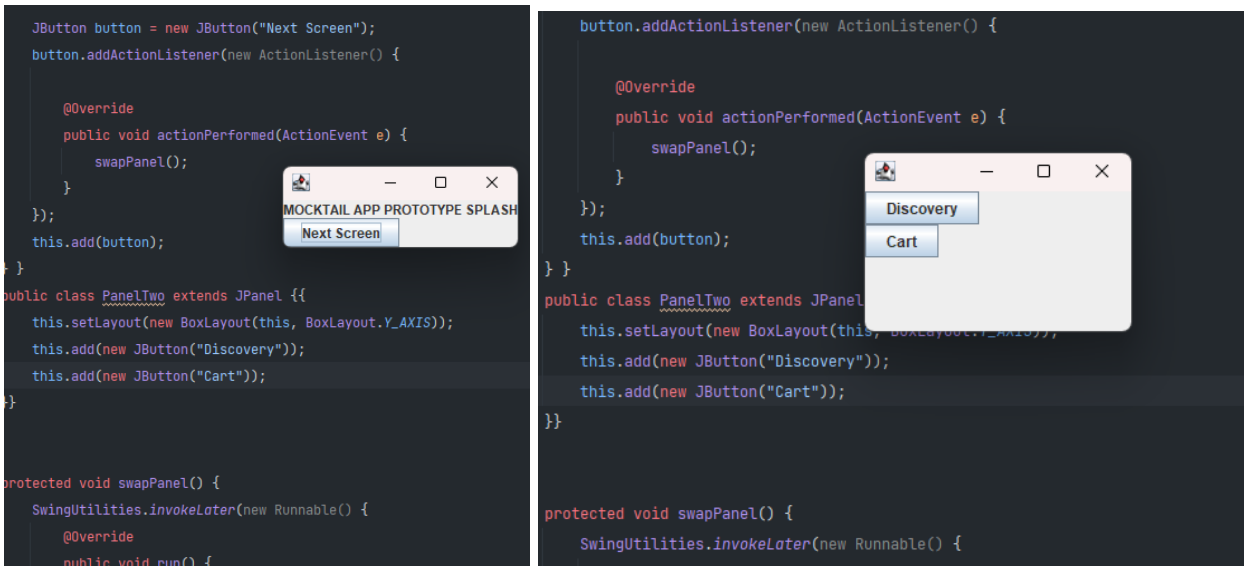
Print receipts where we have customer information and product information

Save each receipt in a text file

Possible GUI Option(s)



Very Basic Dynamic Screen Example



This does not create new windows or new JFrames, but rather updates the content dynamically on one single JFrame almost like a regular phone app would. Content is removed, and updated as “panels”, which can be stored in an ArrayList of panels.