Research Article #1.

https://www.softwareadvice.com/resources/what-is-a-point-of-sale-sy

do inventory management, process payments and customer management. It feature sets that are needed by Point-of-Sale systems such as being able to accommodate for my system such as a monitor/computer, barcode scanner, cash register, credit card reader/EFTPOS Machine, receipt printer and cash scanner. If I want to develop a functioning POS system these components out such as having a monitor/tablet, cash register, EFTPOS, and barcode The article explains what a Point-of-Sale system and lists its components also points out the physical components of a POS system that I should I will need to be taken into consideration. The article lists down important drawer

Research Article #2.

https://usabilitygeek.com/user-experience-barriers-pos-systems/

service should be the main priority, as ultimately the transaction is between take into consideration during the design process of my software is that the This article provides important information for designing my user interface and experience of my POS system. According to the author of this article, the key aspect I should focus on when designing my software is reducing the cashier and customer itself. A new piece of information I will need to the average time of a transaction, as providing fast and good customer focus should be cutting down the time of each transaction

Research Article #3.

https://medium.com/uxjoumal/the-design-principles-in-the-pos-system-posdesign-guide-part-2-57d1bcb30ac0

Development 1

The article provides important information for designing the user experience pleasing and an ergonomic and functional design. Also, that updates to the of a POS system. According to this article, an important aspect to consider user interface/experience when it has been used for a decent amount of time may provide a challenge to the user, as they must overcome their when designing the interface is the trade-off between an aesthetically muscle memory of the aspects of the previous design.

Further Analysis of Research

After talking to my client and reading the articles I had these specifications

- inventory management, process payments and give receipts. complete a transaction securely, quickly, and efficiently.
 - process and record transactions from EFTPOS machines.
- generate sales reports and refund transactions.
 - switch between orders through the interface
- be easy to read with no unnecessary buttons.

made some adjustments to the main layout in this 9 After receiving feedback from my teacher, I have button and total which separates itself from the design. There is now a line below the payment symmetrical before. The buttons on the botton half are now centered and there are more of categories. It seems easier to navigate now. bottom and top half of the design as it was them to accommodate the amount of item Conceptual design 2 TOTAL: \$5.00 the POS system. The main goal of this concept socially feasible, in the sense that the designs is to establish key aesthetic elements that will This is the first iteration of the main layout for (P more archaic design. The elements of layout must not contain any culturally insensitive or be shared with other layouts. I wanted to go with modern as the previous system had a such as button placement is still a work in people from varying cultural backgrounds. progress. All conceptual designs must be phrases as the software could be used by offensive materials such as symbols and 100 Conceptual design 1 ijĮ į 1] Feedback

My client gave me feedback based on the conceptual designs. She said that she liked the aesthetic and a way to add items. For specifications, she said the software should have the ability to refund requested that the design featured more similarities to the current system in use because it looks small when you look at the screen. She also wanted things such as a coloured payment buttons of the concept designs as they were "clean" compared to the current software in use. She transactions and give recipts.

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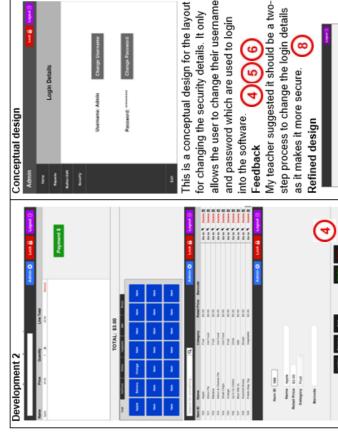
hand side. A bright coloured numpad has been added touchscreen Windows device. The menu/pop up is payment button along with a receipt and sales log button which are relegated to a pane on the rightadded to show up when you click one of the item This is the first iteration of the main layout of the to make manually inputting numbers easier on a point-of-sale system. The main difference is the » -. . 0 L 4 ٥ ı

on the buttons. These changes are the result of client feedback requesting that it look like the current POS user can add an item to the order by tapping/clicking category buttons at the main layout. From here the

Student 2: High Merit Intended for teacher use only

> The client was pleased with the changes to the main layout, as it shares more similarities with the system in use. The dimensions of the layouts are now 1024×768 which is the resolution of the current machines Feedback

specifications, the client said that she would like to have the ability to change the login passcode of current system in use. She said that the bright buttons were easy to read but a little too bright. For the software or another form of account modification through the user interface.



Users will now be able to navigate through all tabs are now used for selecting a category of made as during modelling it was determined The final iteration of the program allows the user to easily process transactions from the main layout, this design has also revamped the category buttons to be not such bright colours. Instead of using pop-over buttons adequate. The ability to search and delete items in the main layout, this change was items from the inventory has been added that the pop over style buttons were not layouts with buttons.

Feedback

and wanted further security. A way to validate transactions, the ability to split payments into The client was happy with the blue colours cash or EFTPOS, display change given.



Login

The final iteration of the program adds a and password and the ability log out/exit the ability to change the login username from any layout, without having to close lock screen accessible from any layout, the application externally.



navigating through menus and layouts, adding items to orders, processing orders, and adding new items to the inventory. The purpose of these tests was to gather feedback from users to determine if the program is fit for purpose and criticism to improve it. All testers will not be named in this document and will remain current point of sale system. The tests involved the users' completing objectives in the program such as To evaluate if the program is fit for purpose, it was tested by allowing the client and other users of the anonymous for privacy reasons.

Task	Client	User 1	User 2
Login	>	>	>
Add items to invoice	>	>	>
Change the quantity of an item	>	>	>
Remove items from an invoice	>	>	>
Process an invoice	>	>	>
Spilt payment between EFTPOS and Cash	>	`	`
Add item to inventory	>	>	>
Delete item in inventory	>	>	>
Exit the application	<u> </u>	N	N

Feedback 5	Proposed Change	Notes
The purpose of some layouts in the concept is not clear enough	Adding text to the layouts that signify their purpose (e.g., sales log layout has "Sales Log" text)	This will be added in a future iteration of the program, as it does help users identify what the purpose of layouts are without being confused.
There is no easy way to return to the main invoice layout when on the sales log button	There is no easy way to return to the main to when on the sales log button that goes to the main invoice layout in the sales log button	This will be added in the future in a future iteration program, as it solves the navigation issue of going to the sales log without having a convenient way to return to the menu.
The admin portal layout has too much empty space	The admin portal layout has too much empty space and space Adding miscellaneous things such as the current time and date or a welcome message.	This proposed change is added but may not necessarily be implemented in future version of the program as it is a miscellaneous change despite my agreement that the portal has too white space as well.
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some changes already to some of the layouts of the design, examples being a button that allows a user to From the feedback and test results I received from the testers including the client themselves, I have made return to the main invoice layout front the sales log layout. Text has also been added to all layouts which signify their purpose to make it less confusing for new users.

