CPSC 481 Fall 2020 – Team D University of Calgary

**Task Centered Design Walkthrough**

**User adds items to their grocery list**

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| Description of task step | Does user have training or knowledge to do this step? | Is it believable that they would do it? | are they motivated? | Comments (including possible solutions) |
| User selects which store they want to shop | Probably, there is a menu button to do it and they just search for their store in Google Maps. | Yes, the app is intuitive, and Google Maps isn’t hard to use | Yes | There will be a map feature accessed through the main menu which will be the same function as Google maps. |
| User creates their list associated with the store they chose | Yes, they tap a button to confirm that their list and name it | Yes, a pop-up to create and name the list will show up | Yes | User presses a button after selecting a store and name their newly created list. |
| User searches for the item they want added | Yes, they simply use a search bar to find their item | Yes, a blank screen with a search bar will show up | Yes | User types into a search bar what item they want. It can be generic like ‘chocolate’ or specific like ‘Kit Kat’. |
| User uses the filters to sort the items that are available | Yes, they use a drop-down menu | Yes, near the search bar will be the sort option button | Yes | User uses the drop-down menu at the top to select how they want to sort: alphabetical, price range, etc. |
| User looks at the item information to make sure they want it | Yes, they just need to read | Yes, tap the name of the item from the search list | Yes | User looks at the description provided by the store to make sure it is available. Otherwise, make a new list to find that item at another store that has it in stock. |
| User adds the item to their list | Yes, they press a button | Yes, tap the cart button | Yes | User selects the quantity of the item they want and presses the “Add to List” button to add the item to their list. |

**User searches for items on sale or clearance using their grocery list**

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| Description of task step | Does user have training or knowledge to do this step? | Is it believable that they would do it? | are they motivated? | Comments (including possible solutions) |
| User creates a new list or opens a previous grocery list | Yes, the Create List button will be obvious and previous lists will be kept | Yes, they must use their list to search for items | Yes | Depending on the store location that is specified to the list, the item search will be limited to only that store |
| User clicks on the Add Item button in the list | Yes, most list apps have this feature | Yes, the button will be clear and intuitive | Yes | Clicking on the Add Item button will bring them to the Store Search/Inventory menu where grocery item information is displayed |
| User will filter searches to only sale or clearance items | Yes, the filter button will be close to the search bar | Yes, if they search without a filter, they will immediately notice that not all are sale items | Yes, they are actively looking for sales/clearance | The filter settings will include sale items and clearance items as separate filters, but users can use both at the same time if needed. We define sales as promotional items or reduced prices. Clearance is discontinued items or items for quick sale (e.g. soon to be expired items). |
| User types in the search bar the item they want to look for on sale or clearance | Yes, this is common knowledge | Yes, they should be capable of using normal words to search | Yes | Search will go through the store inventory with the current sale or clearance filter. |

**User connects to the grocery store’s inventory system to see total stock of an item**

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| User creates a new list or opens a previous grocery list | Yes, the Create List button will be obvious and previous lists will be kept | Yes, they must use their list to search for items | Yes | Depending on the store location that is specified to the list, the item search will be limited to only that store |
| User clicks on the Add Item button in the list | Yes, most list apps have this feature | Yes, the button will be clear and intuitive | Yes | Clicking on the Add Item button will bring them to the Store Search/Inventory menu where grocery item information is displayed |
| User types in the search bar the items they want to see in stock | Yes, this is common knowledge | Yes, they should be capable of using normal words to search | Yes | By default, the search will first sort by name when displaying the results |
| User can sort searched items by quantity available | Yes, most apps have the drop-down icon to sort lists | Yes, given that they have knowledge from using other apps with sort by functions | Possibly not, if the search brings up items in stock there is no need to use this | This will depend on the current inventory of one item and how it is prioritized by the user. If the item has low stock perhaps this feature would be used more to determine what to buy. |
| User can remove sold out items from the search query | Yes, this option is common for online shopping | Yes, given that they have knowledge from using other apps with a similar function | Yes, this is helpful for the user to know to save them time when looking at the store | This is separate from sorting by quantity available as this filter will completely remove any items from the list. Sorting by quantity will show everything even if the stock is zero. |

**User searches for where an item is located in the store**

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| Description of task step | Does user have training or knowledge to do this step? | Is it believable that they would do it? | are they motivated? | Comments (including possible solutions) |
| User creates a new list or opens a previous grocery list | Yes, the Create List button will be obvious and previous lists will be kept | Yes, they must use their list to search for items | Yes | Depending on the store location that is specified to the list, the item search will be limited to only that store |
| User clicks on the Add Item button in the list | Yes, most list apps have this feature | Yes, the button will be clear and intuitive | Yes | Clicking on the Add Item button will bring them to the Store Search/Inventory menu where grocery item information is displayed |
| User searches for the item they want to look for in store | Yes, just use the search bar after creating a list | Yes, there will be an obvious search bar | Yes | Having already created a list, the user uses the search bar for their item. |
| User selects the item from the list | Yes, tap the item name | Yes, they would tap to find out more | Yes | The user taps the name of the item they want to find in the store. |
| User checks the item location | Yes, read the location information | Yes, in order to find the location | Yes | The user scrolls down the information of the item and finds the aisle/section the store’s system provides to the app. |

**User specifies which grocery store they are going to shop in**

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| Description of task step | Does user have training or knowledge to do this step? | Is it believable that they would do it? | are they motivated? | Comments (including possible solutions) |
| User selects to search for grocery store from the menu | Yes, just tap the button on the menu | Yes, to find their store | Yes | The menu is easily readable. |
| User uses Google Maps to find their store | Probably, they should be able to use Google Maps to find their store | Yes, Google Maps isn’t hard to use | Yes | The map feature is just Google Maps. |
| User confirms that the store they found is where they want to shop | Yes, just tap the confirmation button | Yes, a pop-up shows up for the user to confirm | Yes | A pop-up appears so that the user confirms that the store they selected is where they want to shop. |

**User compares item prices between stores**

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| Description of task step | Does user have training or knowledge to do this step? | Is it believable that they would do it? | are they motivated? | Comments (including possible solutions) |
| User creates a new list or opens a previous grocery list | Yes, the Create List button will be obvious and previous lists will be kept | Yes, they must use their list to search for items | Yes | Depending on the store location that is specified to the list, the item search will be limited to only that store |
| User clicks on the Add Item button in the list | Yes, most list apps have this feature | Yes, the button will be clear and intuitive | Yes | Clicking on the Add Item button will bring them to the Store Search/Inventory menu where grocery item information is displayed |
| User types in the search bar the items they want to price compare | Yes, this is common knowledge | Yes, they should be capable of using normal words to search | Yes | By default, the search will first sort by name when displaying the results |
| User selects the item from the list | Yes, tap the item name | Yes, they would tap to find out more | Yes | The user taps the name of the item to give them the price compare option. |
| User clicks on the price compare button | Yes, the button will be obvious | Yes, they would tap the button | Yes | The price compare button will look at other store’s prices for that specific item and display the comparison. |

**User compares item prices between stores (ALTERNATIVE)**

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| Description of task step | Does user have training or knowledge to do this step? | Is it believable that they would do it? | are they motivated? | Comments (including possible solutions) |
| User opens a previous grocery list | Yes, previous lists will be kept | Yes, they must use their list to search for items | Yes | Depending on the store location that is specified to the list, the item search will be limited to only that store |
| User clicks on a current item in their grocery list | Yes, most list apps have this feature | Yes, the button will be clear and intuitive | Yes | Clicking on the Add Item button will bring them to the Store Search/Inventory menu where grocery item information is displayed |
| User clicks on the option to do a price compare for that selected item | Possibly not, the user will have to know that they have several options when selecting an item in their list | No, the feature is slightly unique and other apps users frequent may not have this | Yes, task is highly motivated but not obvious for user | Possible Solution: Like other apps, including a small tutorial/sticky note just for this feature may be helpful for the user |