
Mini-Project

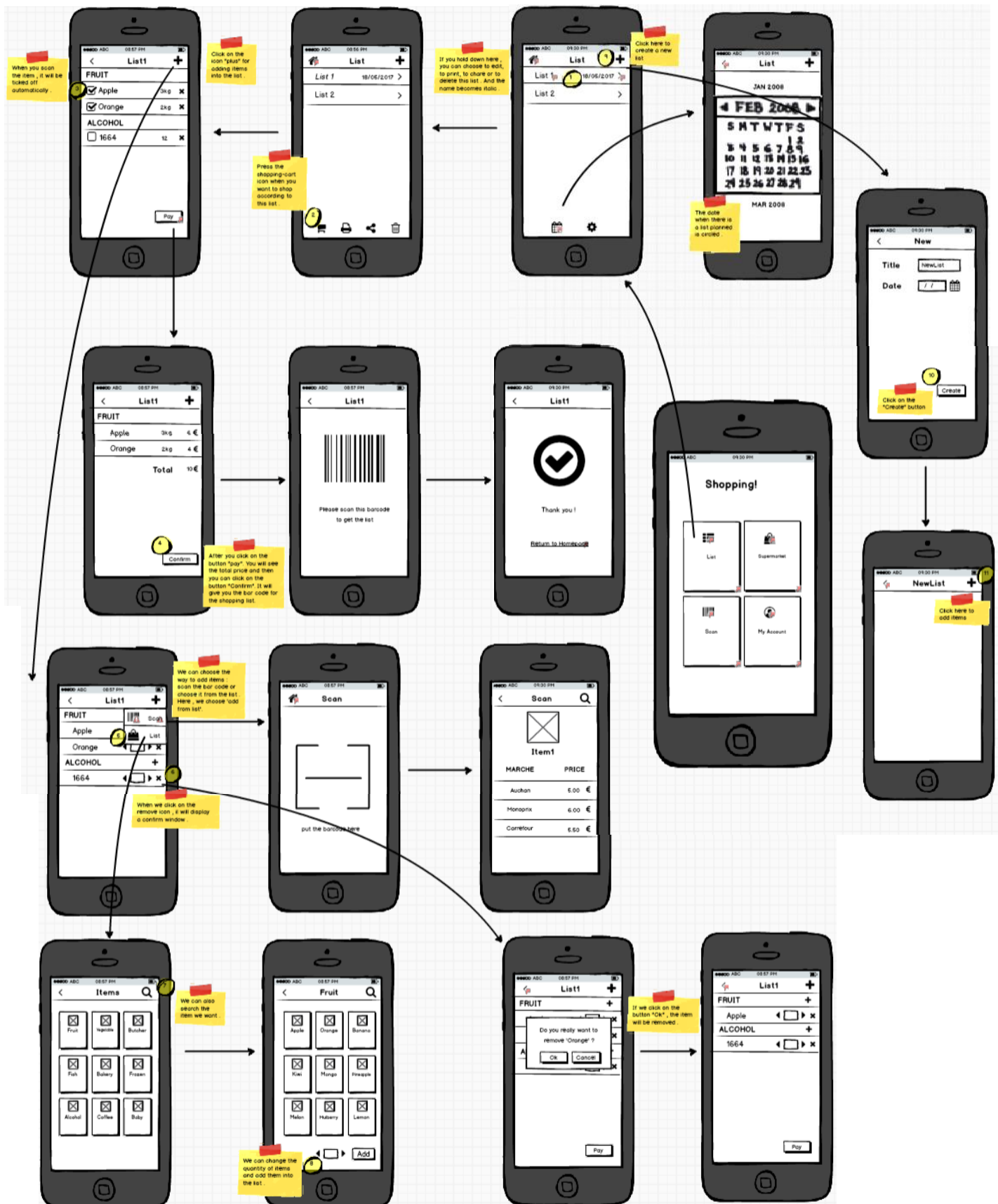
I. Introduction

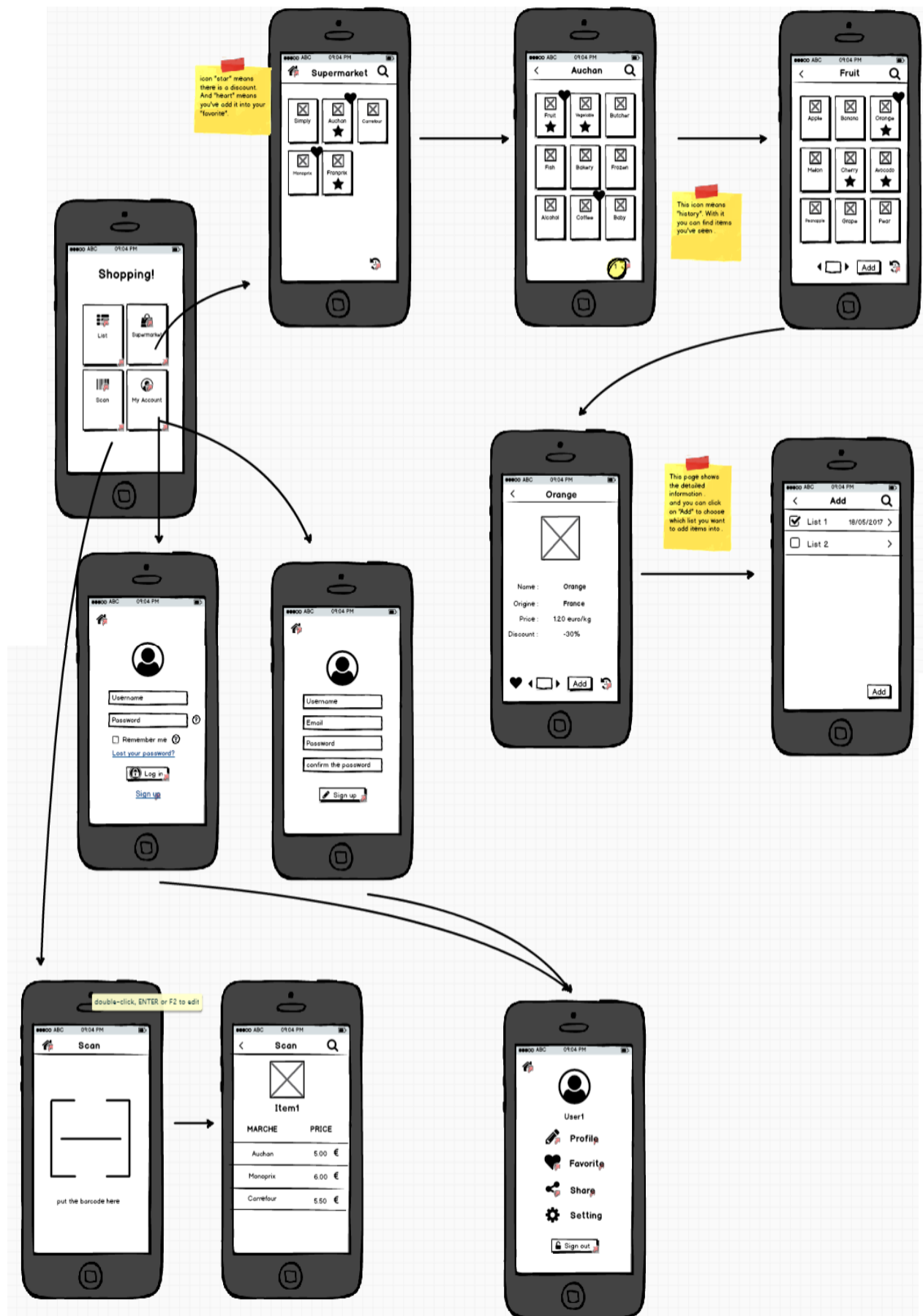
When we go shopping, you may be tired of holding your mobile phone in one hand to manage your shopping list and holding a scanner in the other hand to scan the items you are buying . So, we created this application which allows you to scan the items and manage your shopping list at the same time . It makes the shopping more convenient .

This application contains 4 parts : the first one is the "list" part where you can read and write all your lists ; the second one is the "supermarket" part where you can look through all items in all supermarkets ; the third one is the "scan" part where you can scan a barcode and know all information about this item ; and the last part is "My Account" where you can modify your personal information, look up all items you like and change your personal settings . No matter which device you are on , you can see all your lists .

Our application allows you to not only make your shopping lists at home but also look through the information in detail of all items in all supermarkets , even the discount information . And you can also find the prices in all supermarkets of the same item to compare and make your list better .

II. Storyboard





III. Description of originalities

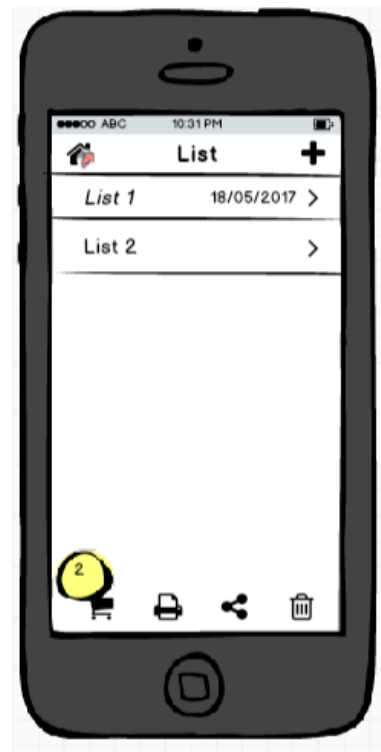
Our application allows you to choose items which you want at home and compare the prices among different supermarkets . You can share your lists to another user and also load a list shared by him . There is a calendar view which allows you to check your lists in a calendar . There are two different personal lists : “my favorite” and “history”, in which we can easily find what we like and what we have seen .

When you finish your list, it's time to go shopping ! In the supermarket, you can use this app to scan items you want . It will check them in the list automatically and tick off them. When you finish your shopping, it will perform a bar code. You can show it to the cashier and then pay it with a verification .

IV. Detailed description

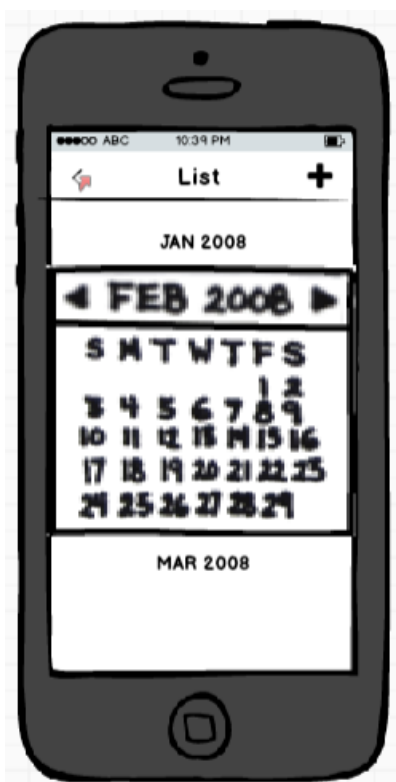


Homepage



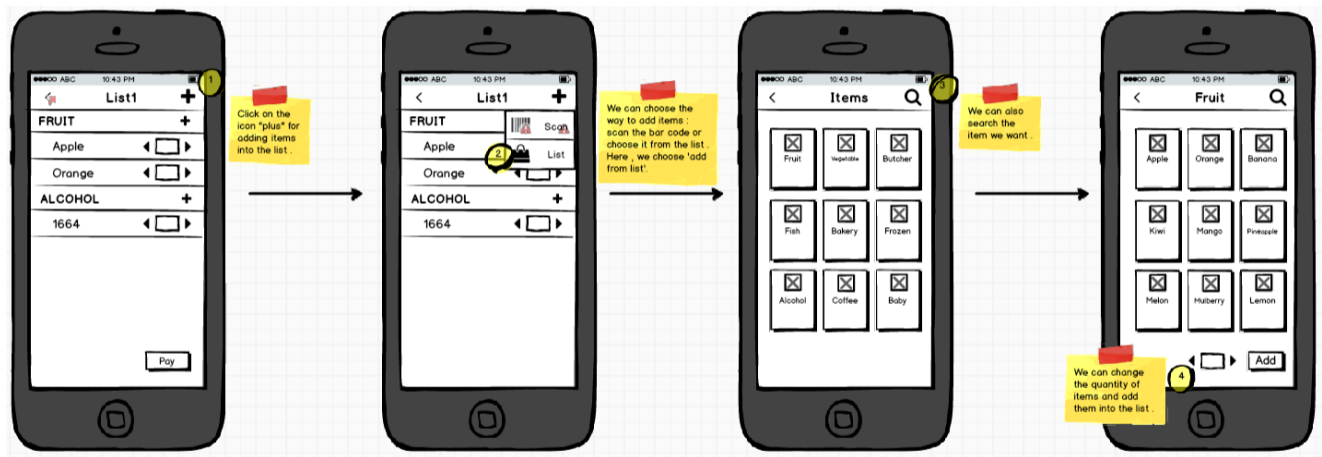
If you hold down here[1] , you can choose to edit, to print, to share or to delete this list . And the name becomes italic .

Press the shopping-cart icon[2] when you want to shop according to this list .

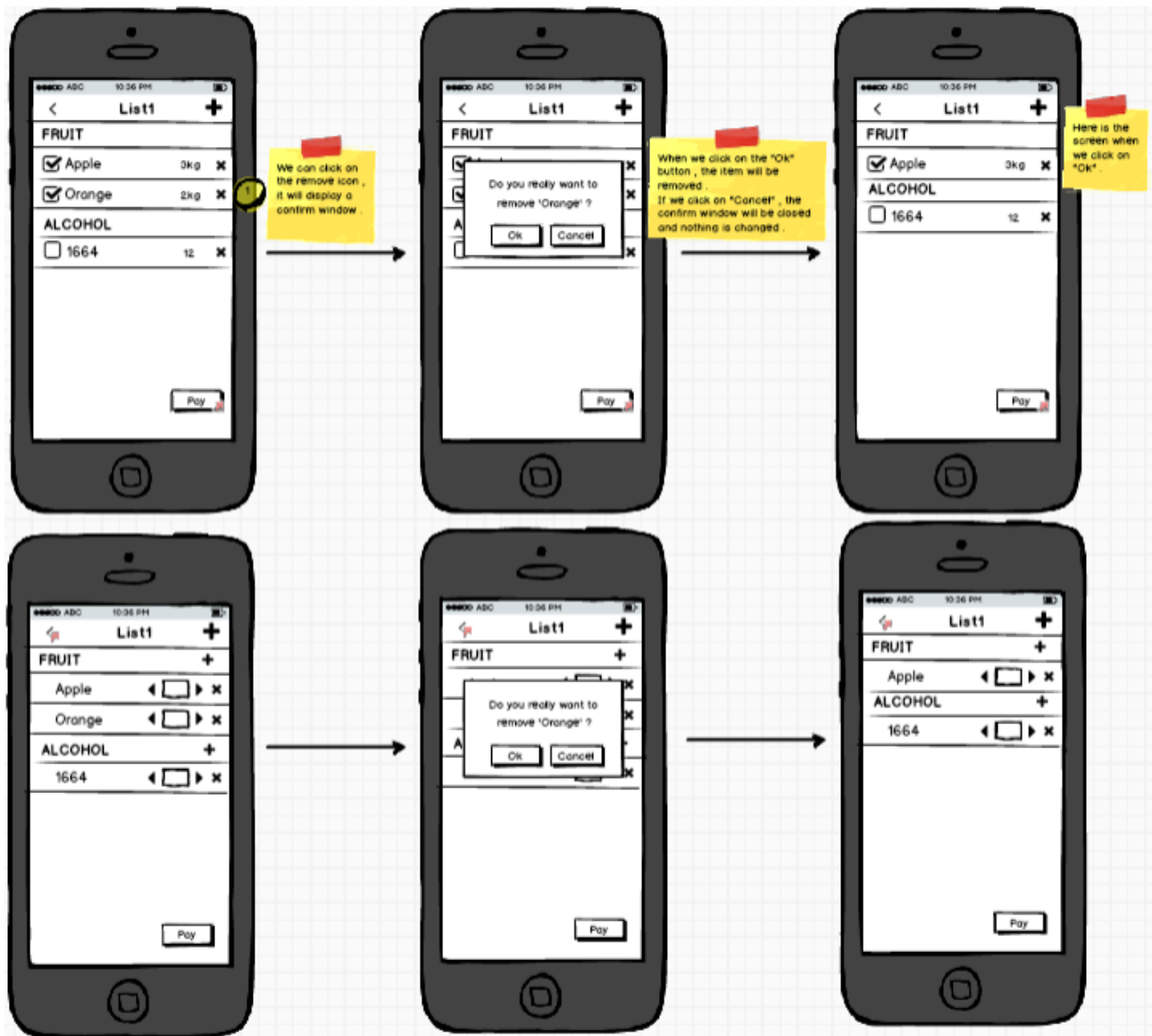


This is the calendar view .

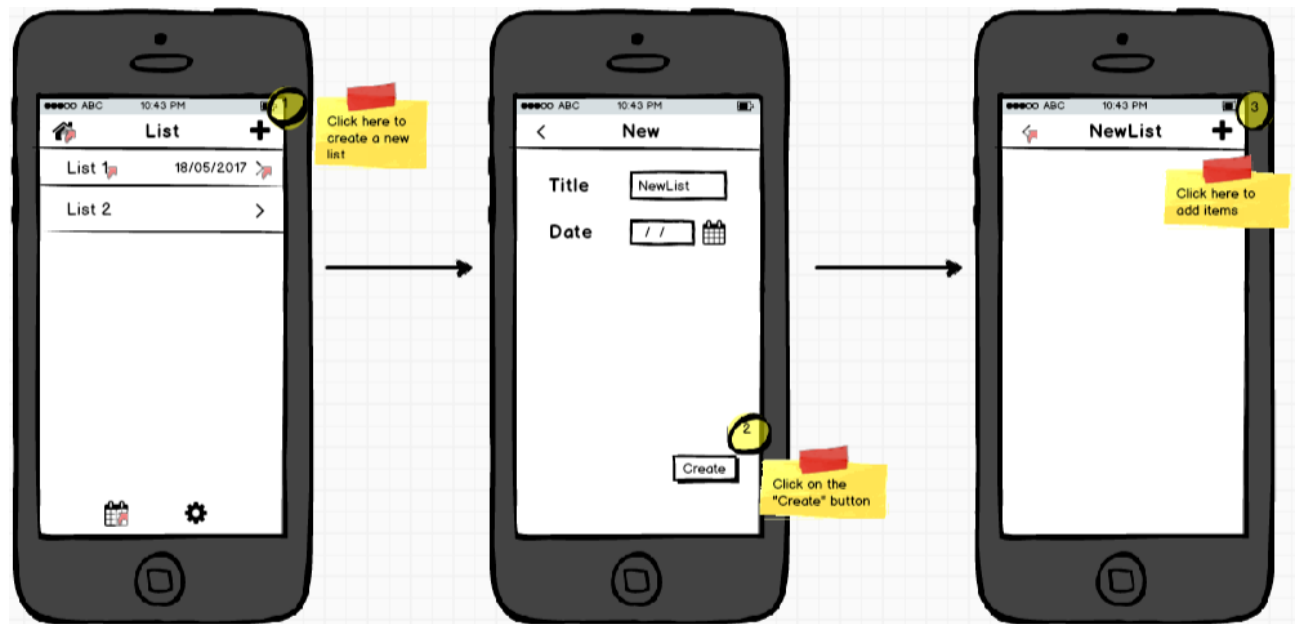
The date when there is a list planned will be circled .



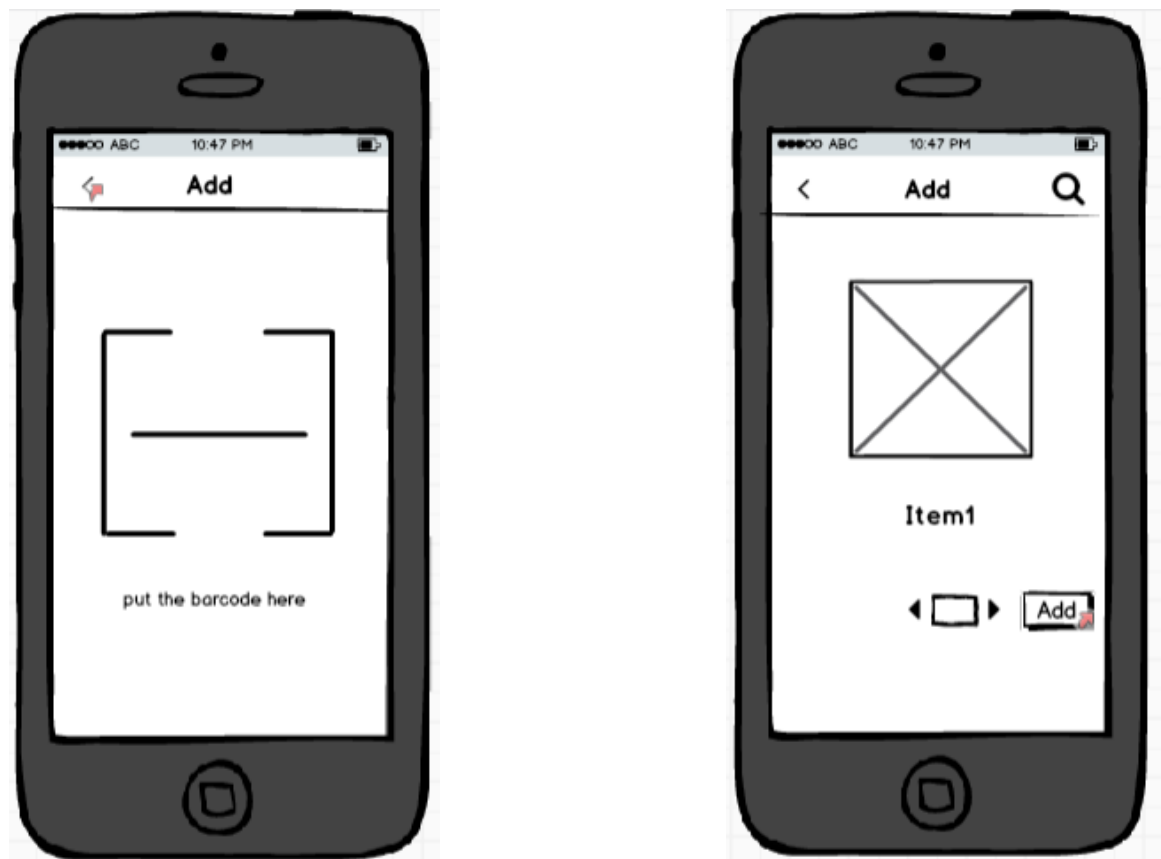
Add items which are chosen from the list into an existing list



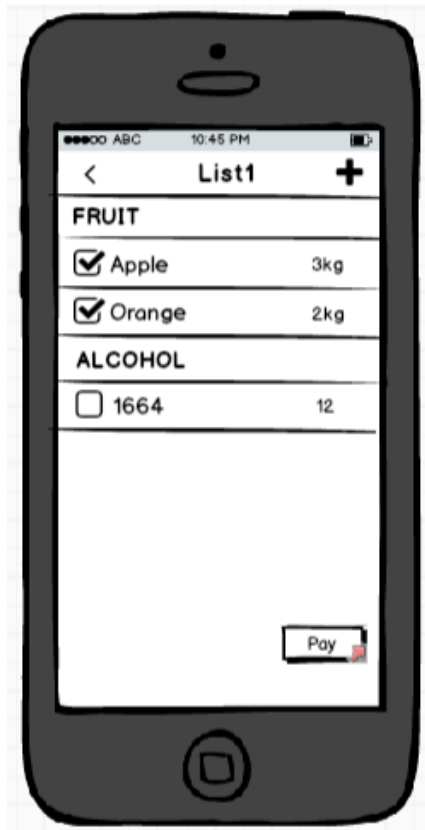
Remove an item from a list with a verification



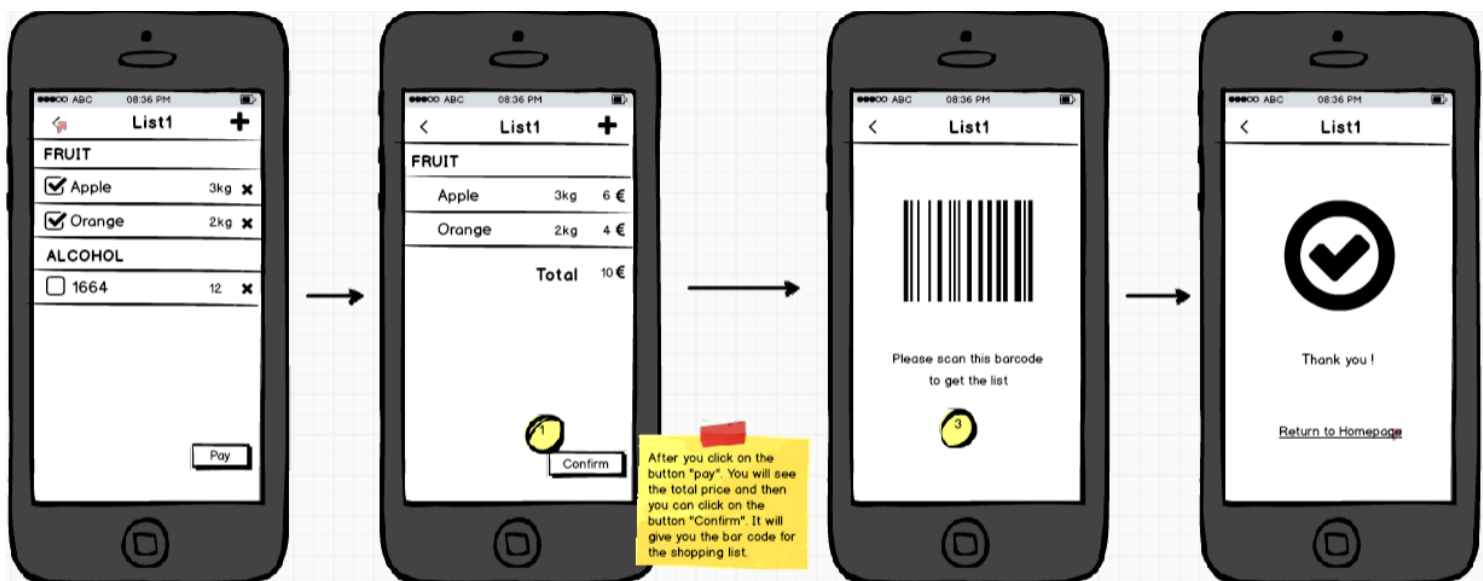
Create a new list



Add an items which is scanned its barcode

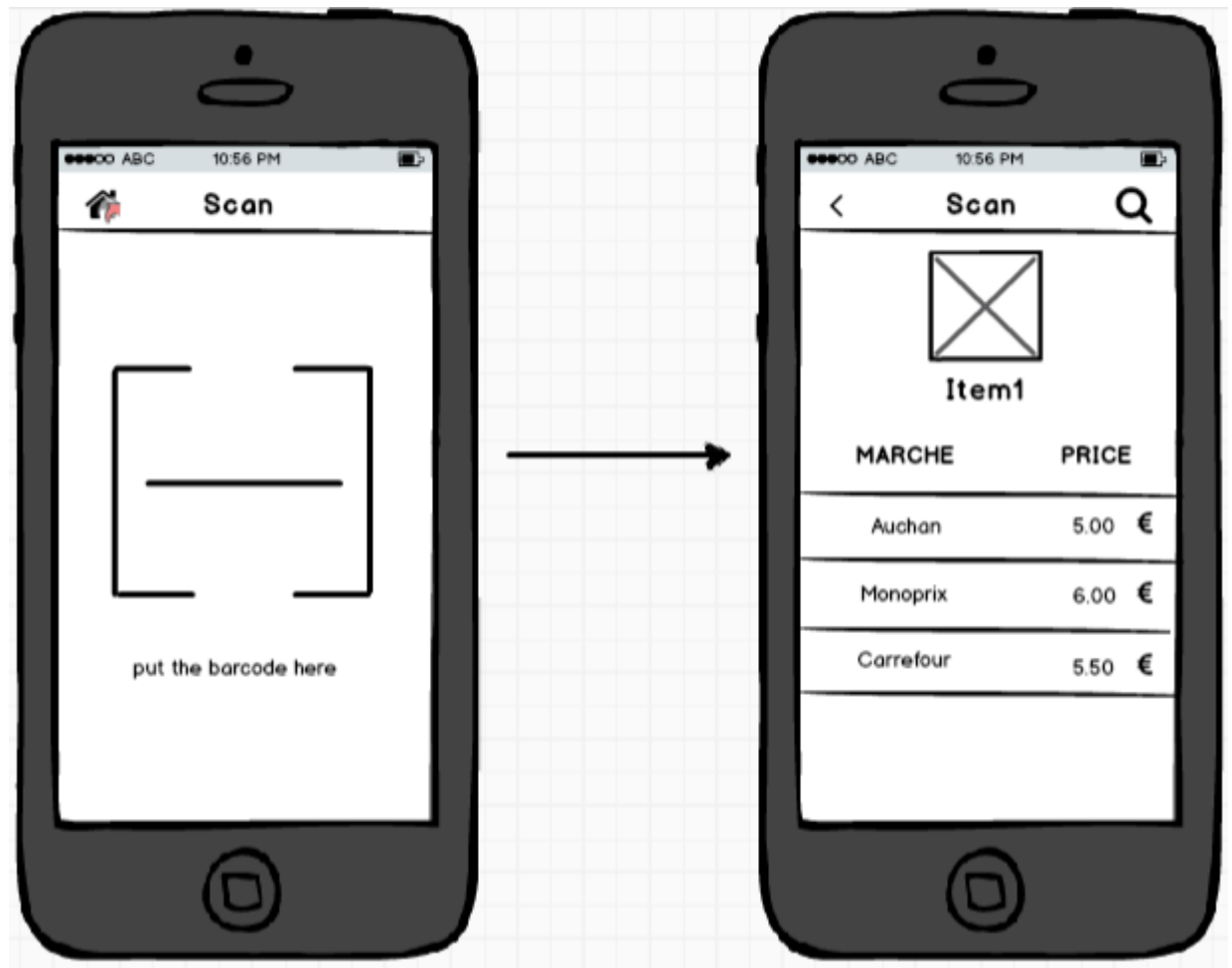


When you scan the item , it will be ticked off automatically .

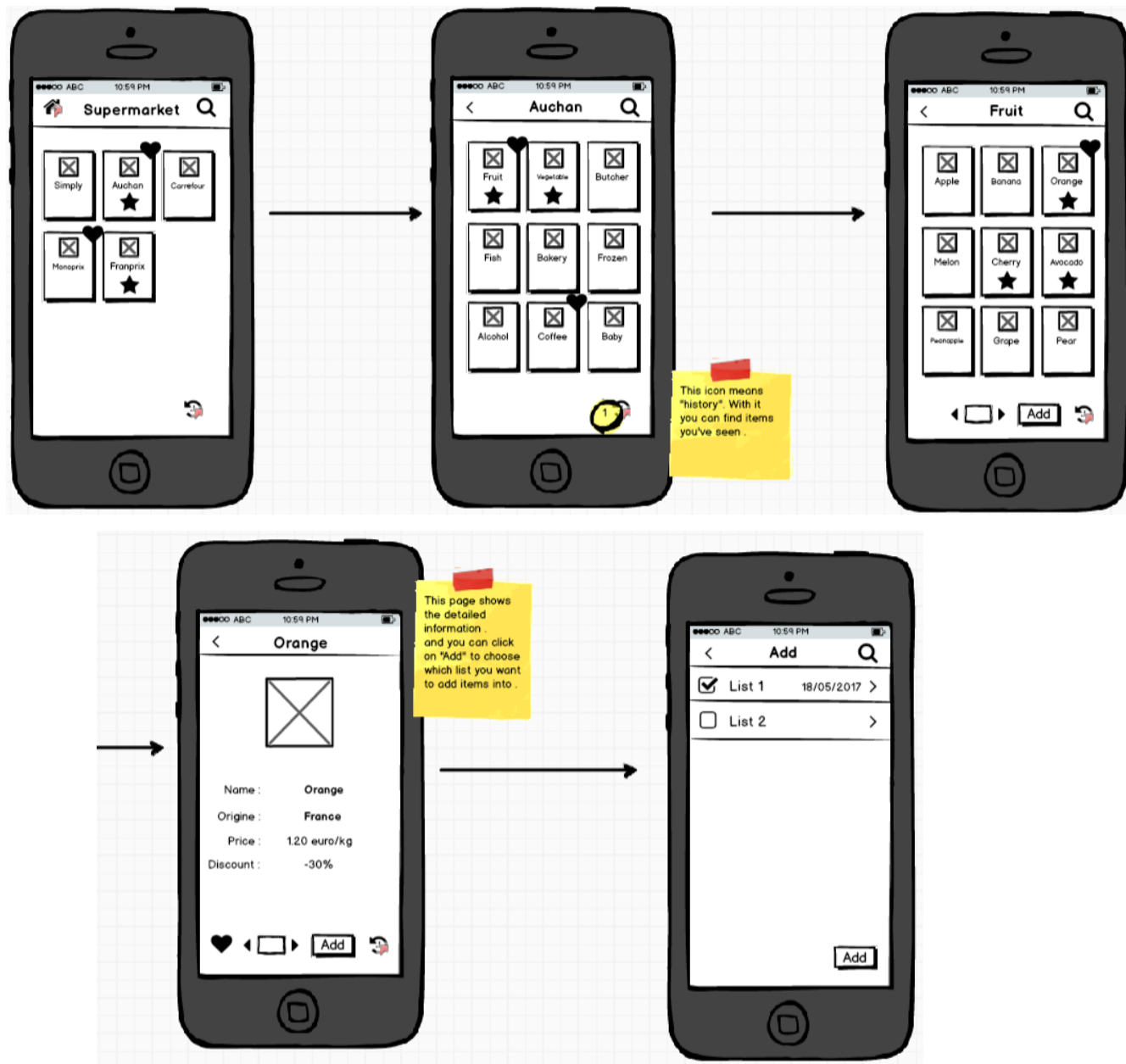


Payment

(It will display a barcode for this list after the verification)



If you choose the “scan” part in the home page ,
you can scan the barcode only for the information .



In the “supermarket” part , you can look through all items in all supermarkets and add the items you want into your list .

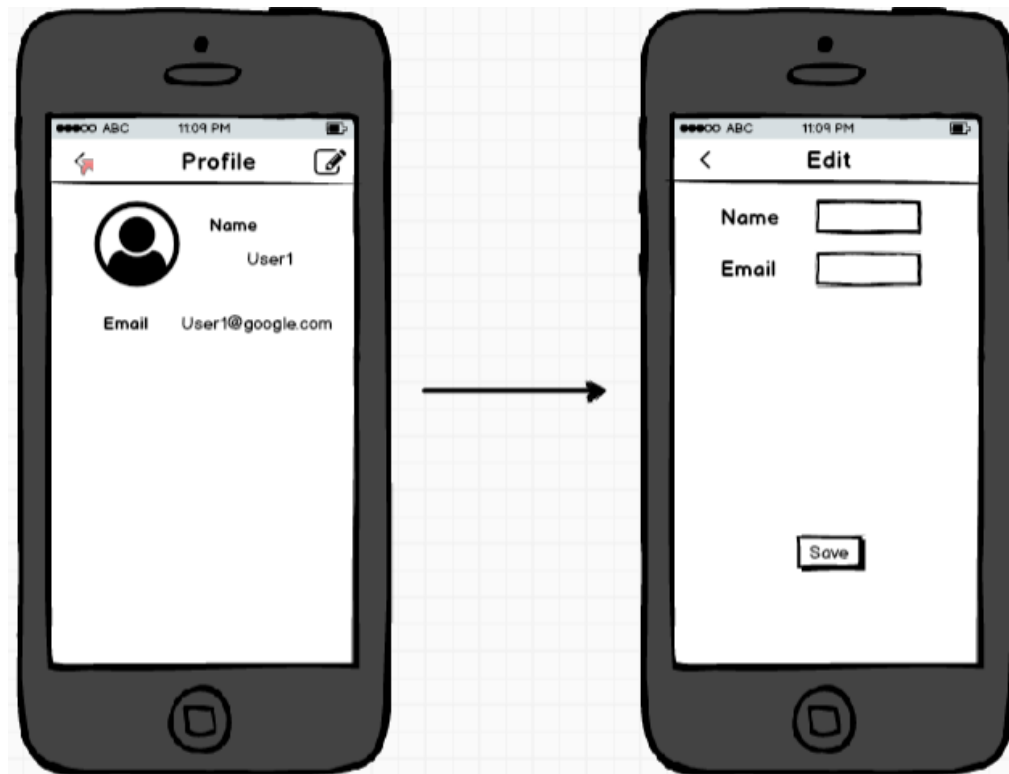


**You can check your personal
list “history” .**

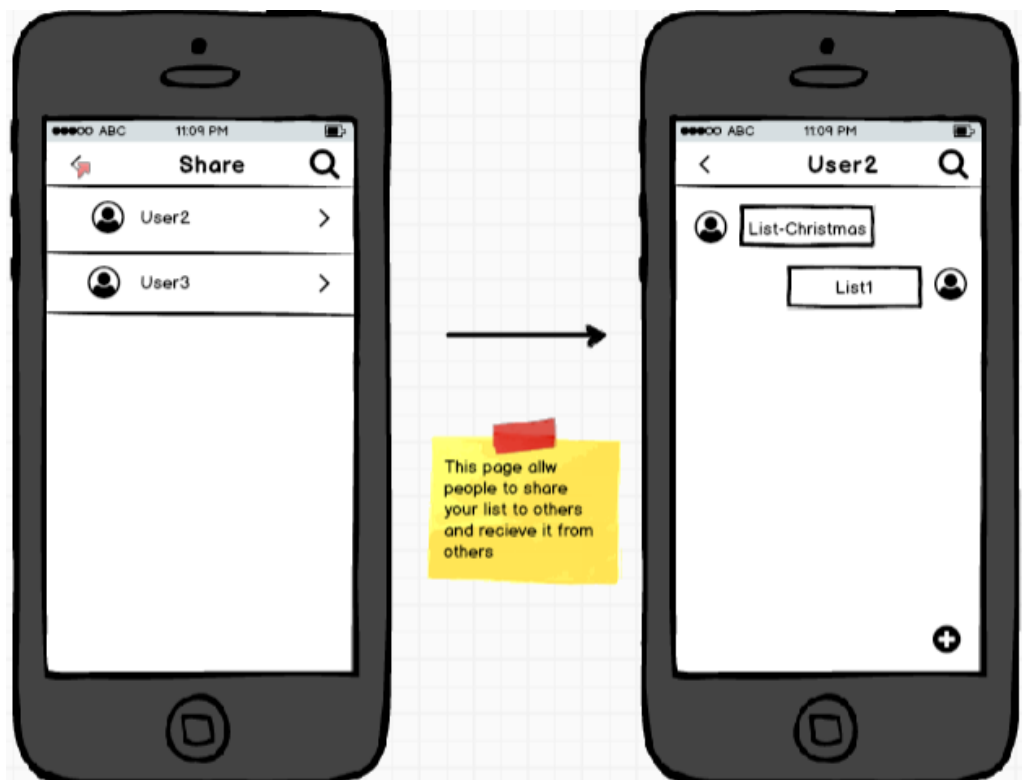


In “My Account” part , you can log in or sign up .

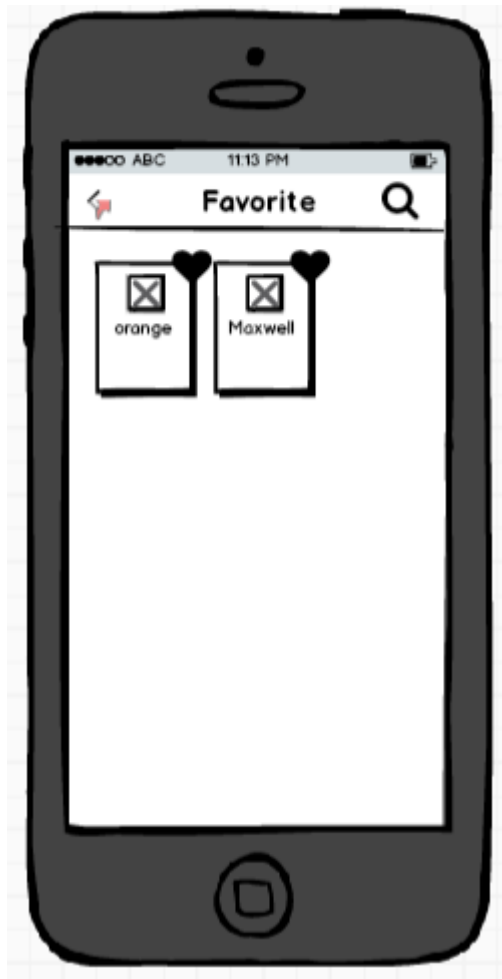




You can modify your personal information .

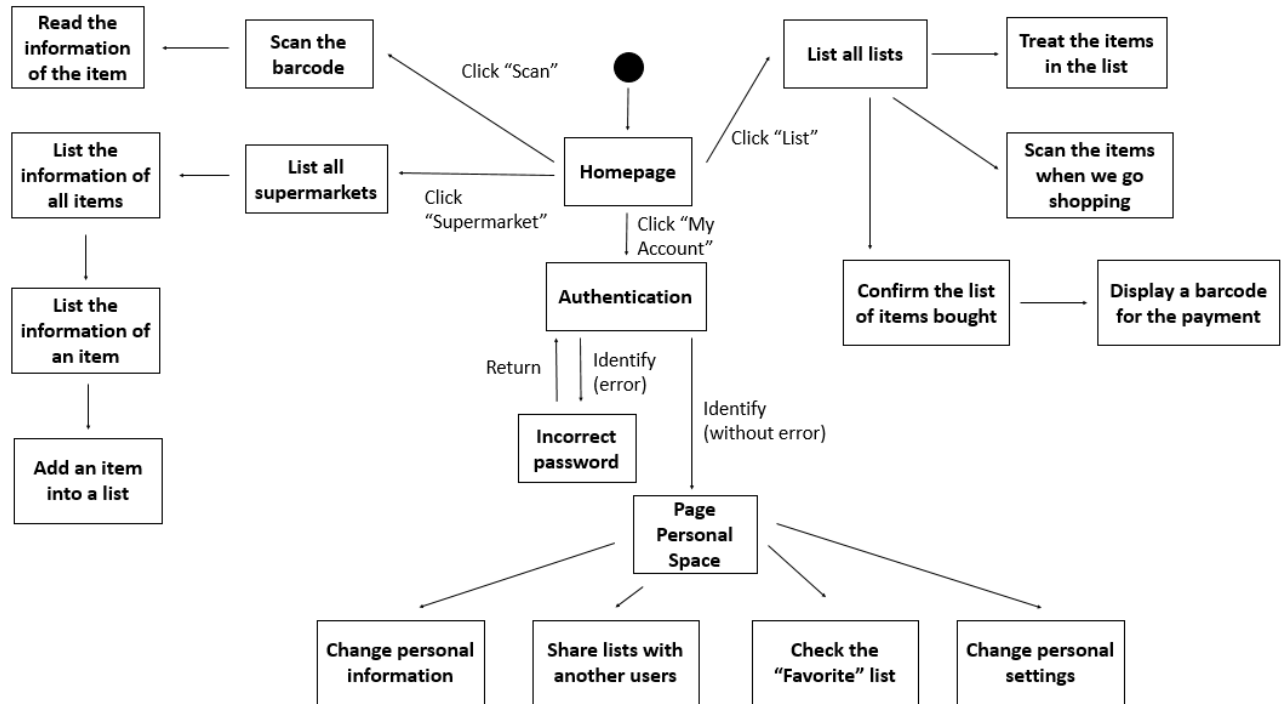


You can share lists with other users.



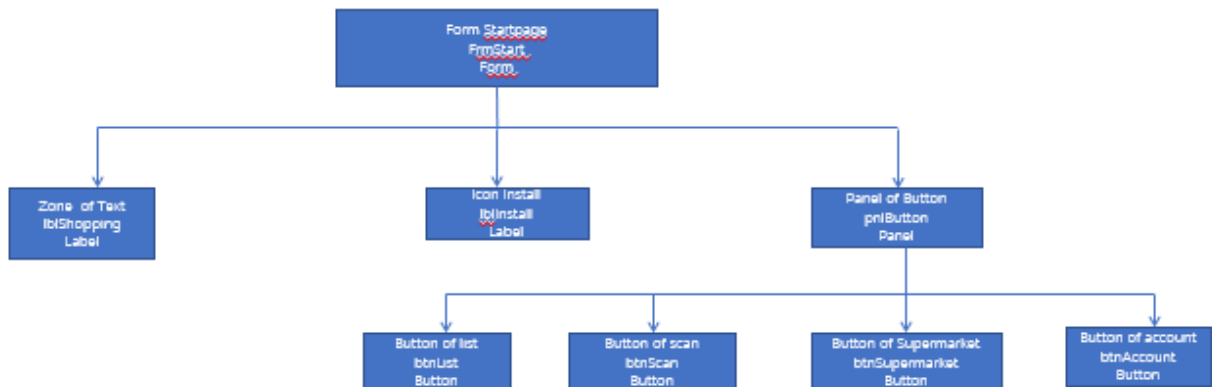
**You can check your personal
list “Favorite” .**

V. Navigation diagram

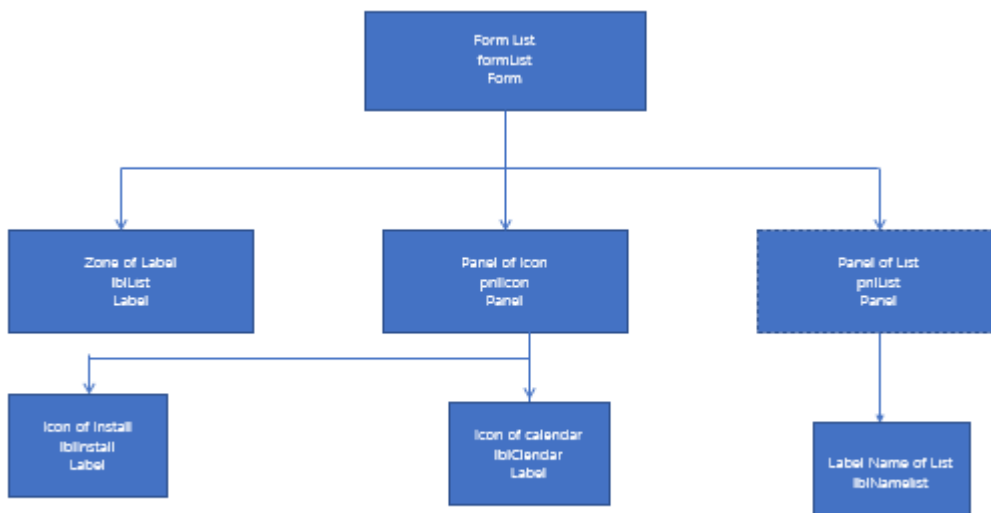


VI. Widget tree

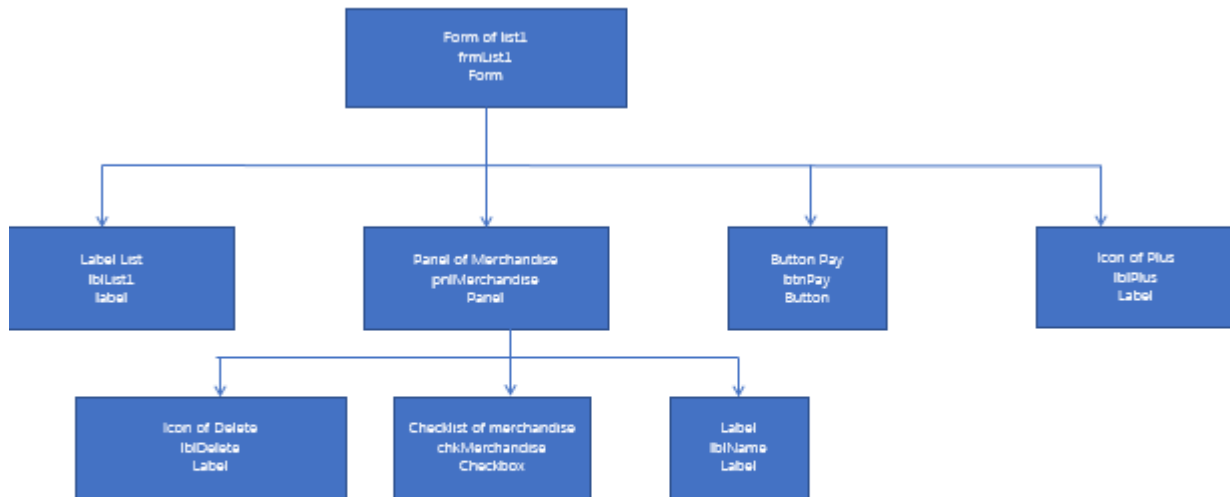
Homepage



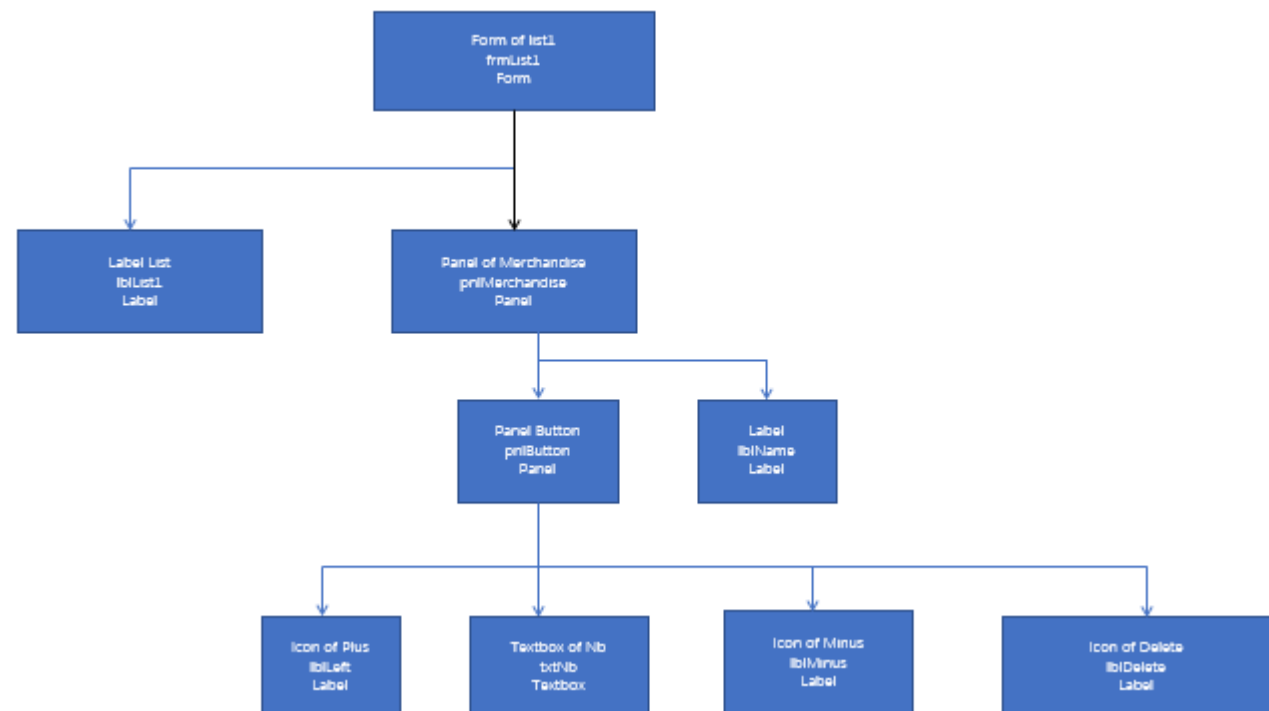
List



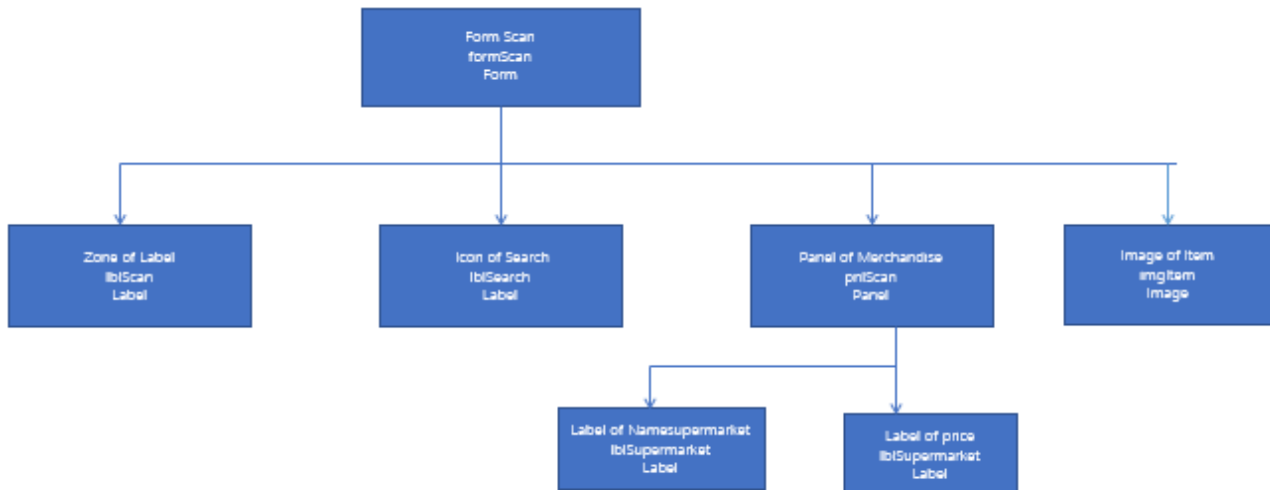
List1-Payment



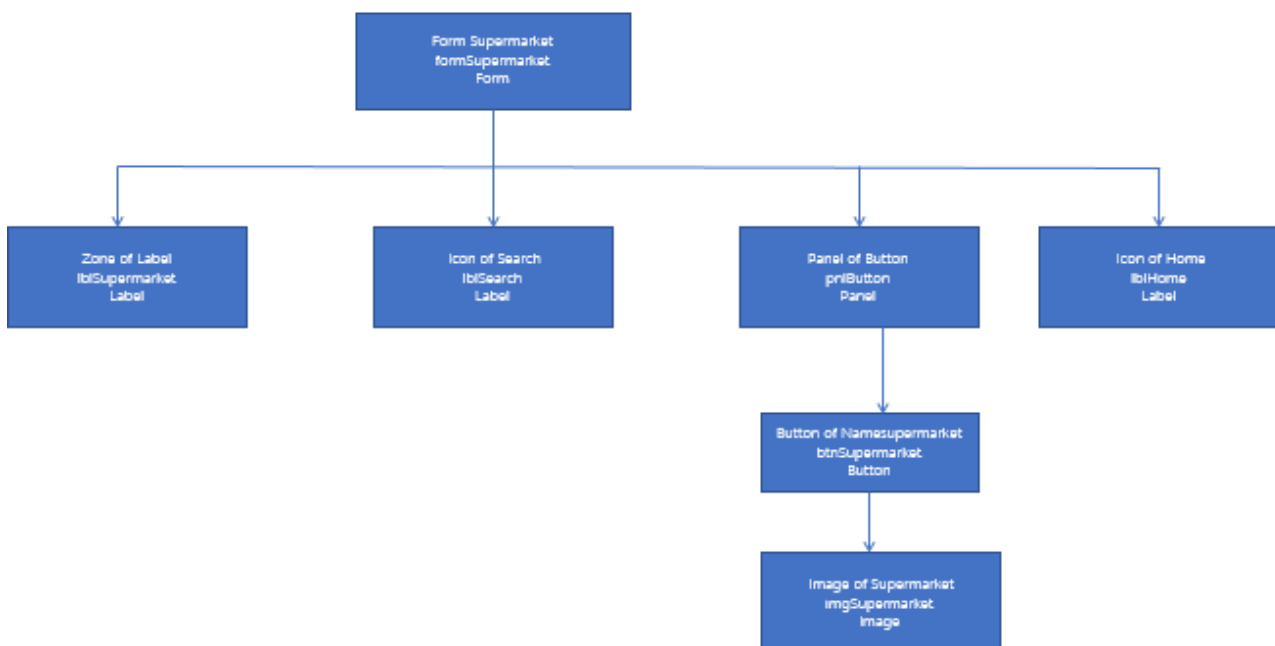
List-Add



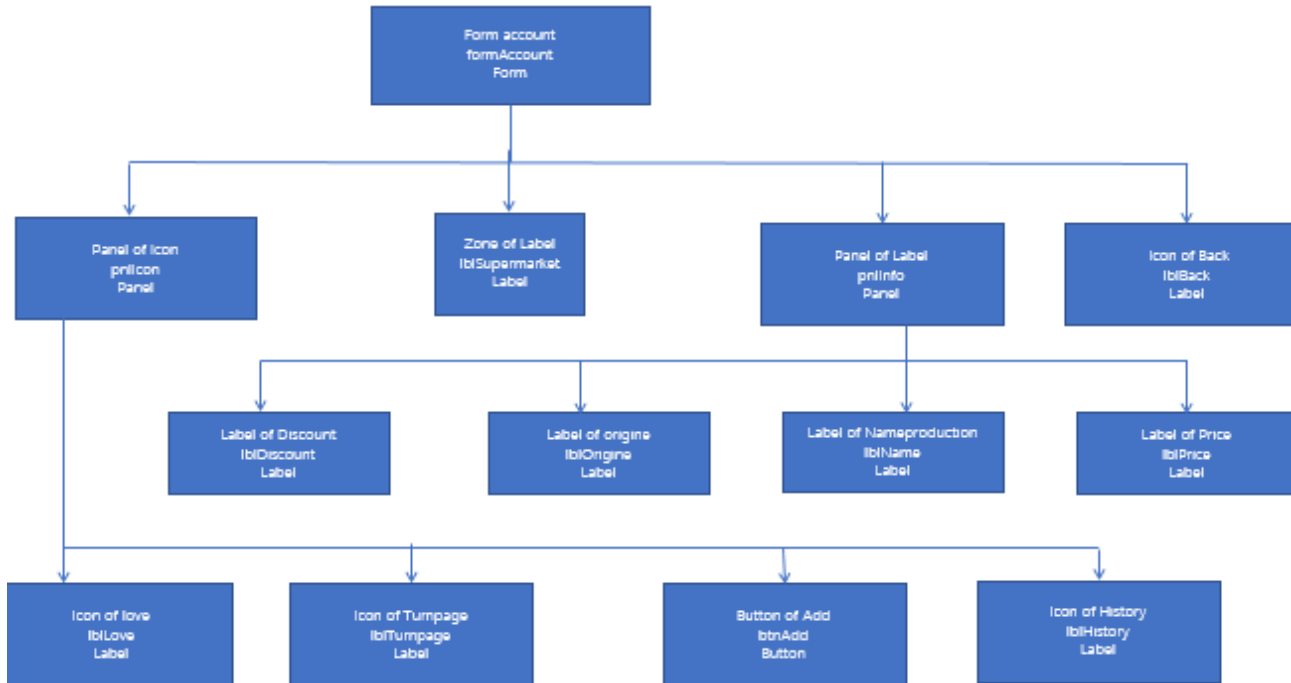
Scan



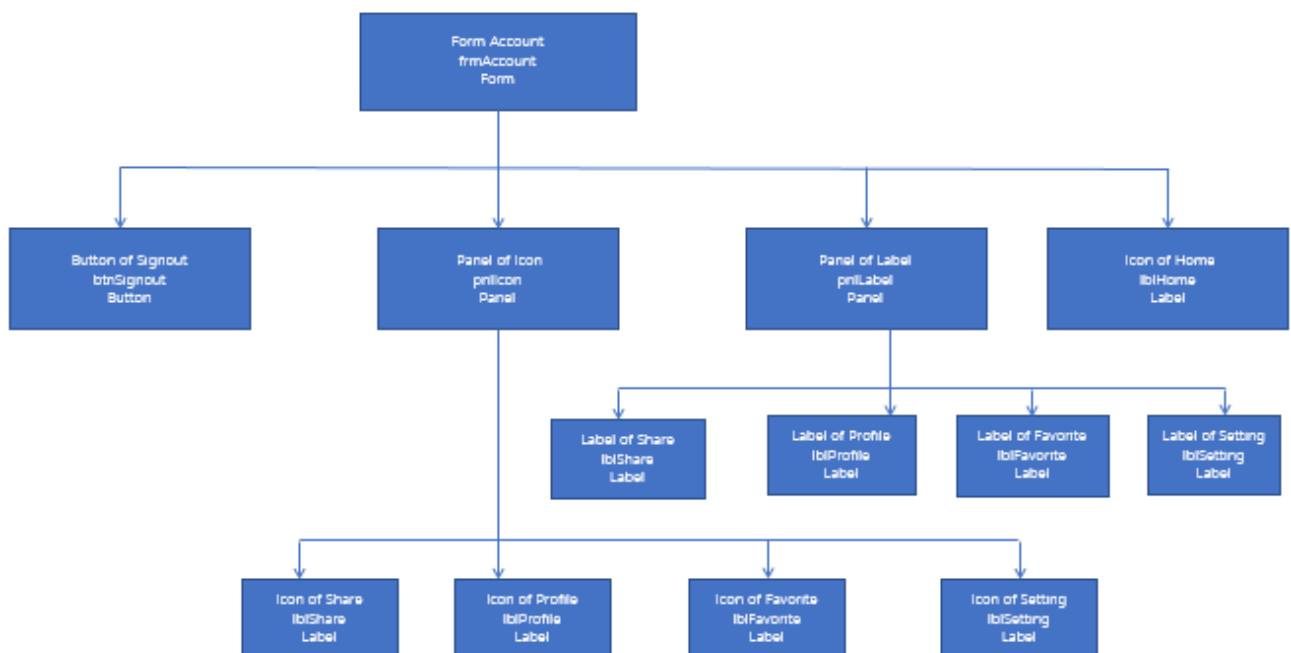
Supermarket



Supermarket-Information



Account



VII. Functional/interaction tables

.objet	.propriétés	.représentations	.opérations
List	Title	Representation summarized : include the name of the list and the total price.	Create
	Item		Load
	Bar Code	Representation subdivided: include the title, the price per item, and the total price.	Share
	Total Price		Modify

. opérations	.commandes	.retours	.réponses
Create	Click the button plus	A window which allows user to input the title and the date of the new list appears .	A new list is created.
Load	Press the title of the list	The content of list appears .	The list is modified if users do modifications.
Share	Click the share icon which appears when we hold down the title of the list .	A window appears to make the user choose the recipient ..	The list is sent to another user.
Modify	Press the title of the list and then press the plus icon (top right) or press the remove icon (beside each item) or press the arrow icons on both sides of the quantity of each item	<ul style="list-style-type: none"> • If we press the plus icon (top right) , a little window appears to make user choose the type of add an item . • If we press the remove icon (beside each item) , there is a confirm window . • If we press the arrow icons on both sides of the quantity of each item , the quantity of the item is changed . 	<ul style="list-style-type: none"> • If we press the plus icon (top right) , user entre the add item page . • If we press the remove icon (beside each item) and click on the "Ok" button in the confirm window , this item is removed . • If we press the arrow icons on both sides of the quantity of each item , the quantity of the item is changed .

.objet	.propriétés	.représentations	.opérations
Item	Name	Representation summarized: include the name of the item and the total price.	Add
	Quantity	Representation subdivided: include the name, the price per unit, the total price and a description of the item.	Remove
	Price		Search

. opérations	.commandes	.retours	.réponses
Add	Choose the quantity and click on the add button of this item		The item with the quantity we chose is added.
Remove	Click on the remove icon beside the name of the item	A confirm window appears .	The item is removed after the verification .
Search	Click the search box to input key words and search	A new page which contents all lists with the key words appears.	The result of this search shows.

VIII. Conclusion

This application is designed for people who want to go shopping but want to make it easier. It combines the ordinary shopping list application , net browser and the scanner . It allows you to look the merchandise of every supermarket , compare their prices and prepare your list at home which will make your shopping more convenient.