

# **SOFTENG 350: Lab #5**

April 30, 2020

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**1a**

1. The user can go back to the main menu of the application
2. The user can go to their shopping cart
3. The user can go back in the shopping process
4. After customising their toppings, the user can go to the next step of the process
5. Each topping has an associated image
6. Each topping has a name
7. Each topping has a price per unit
8. An image of their frozen yogurt selection is shown to aid human memory
9. The total price of their frozen yogurt is shown and dynamically updated as toppings are added or removed.

Each element is surrounded by white/empty area, which indicates that the icons and text are figures in the application.

The images, name, and price of each row are aligned with each other, while the top bar area and heading "Select Topping" have different fates, indicating different sections of the application.

The background image of "Select Toppings" is large, which allows it to be seen as the ground through the Area Principle.

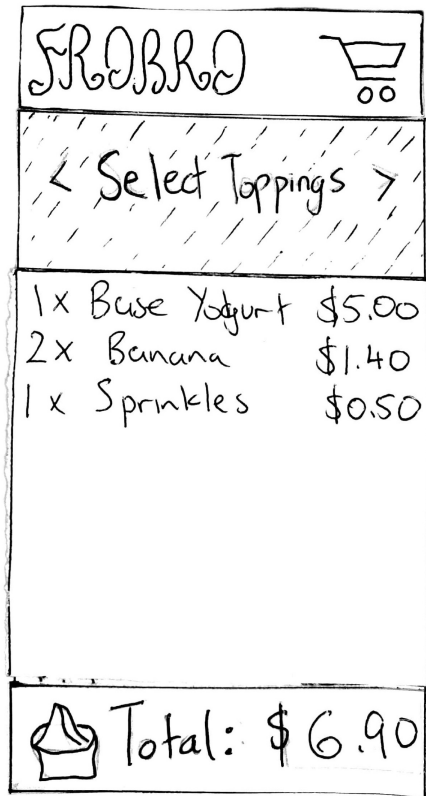
## 1b



The user touches the sprinkles box once. This replaces the price tag with a quantity selector with "1" as its default value. There are arrows to the left and right of the quantity, which allow the user to increase or decrease the amount of topping. These are common UI elements which aids human memory. The arrows are mirrored and placed in a row, by the symmetry principle, this allows the quantity selector to be seen as a whole.

The total cost of the yogurt has also increased to reflect the change in toppings.

1c



The user taps on the total to find a breakdown of the cost. The costs are ordered from highest to lowest, so those with the greatest impact on the overall price can be seen first. The elements are arranged in rows and each column starts at the same spot, and is aligned with the total at the bottom of the screen. This ties the two sections together by the common fate principle. There is unity in the style and format of how the rows are presented.