STORE FRONT

APPLICATION

CST-239

APPLICATION

THIS APPLICATION CONTAINS A MENU WITH 4 ROUTES:

- PRODUCTS

- CART

- EXIT

- ADMIN

INSIDE EACH OF THESE ROUTES THERE ARE FUNCTIONS THAT ARE APPROPRIATE TO THEIR RESPECTIVE SECTION.

Products

Main holder for any objects that are displayed on the store front

Contains functions that can modify parts of products or retrieve them

Cart

Stores any products that were chosen by the user to a cart for later purchase
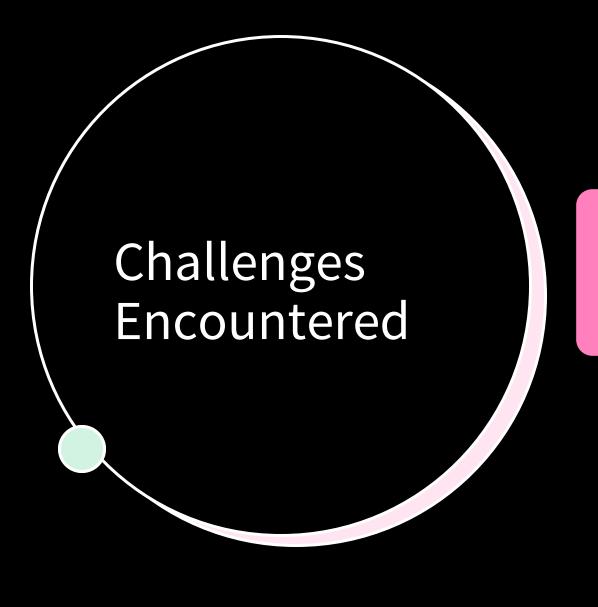
Allows user to remove or add products to this storage

Admin

Allows the user to add more products through command: U

Allows the user to save all current products to a file through command: R

Goals & Design Decisions

- The main goal was for a clear and efficient store front imitation

- Very menu based, allowing for clear and organized sections for the user

- Uses of "========" or "---------" to show clear splits of displayed products

Challenges Encountered

Errors or difficulties with libraries

Lists to objects was difficult to figure out

Pending Bugs

Unchecked inputs, wrong inputs do not tell the user

Unallowed inputs cause weird menu jumps

5 Things Learned

Good object-oriented programming practices

How interfaces and abstract classes work and what is possible with them

Good use cases for override functions (to String or comparison)

How array sorting can be modified

How to use arrays more efficiently