Peyton Wolf

CST-250

3-23-2025

Assignment 1

Mark Smithers
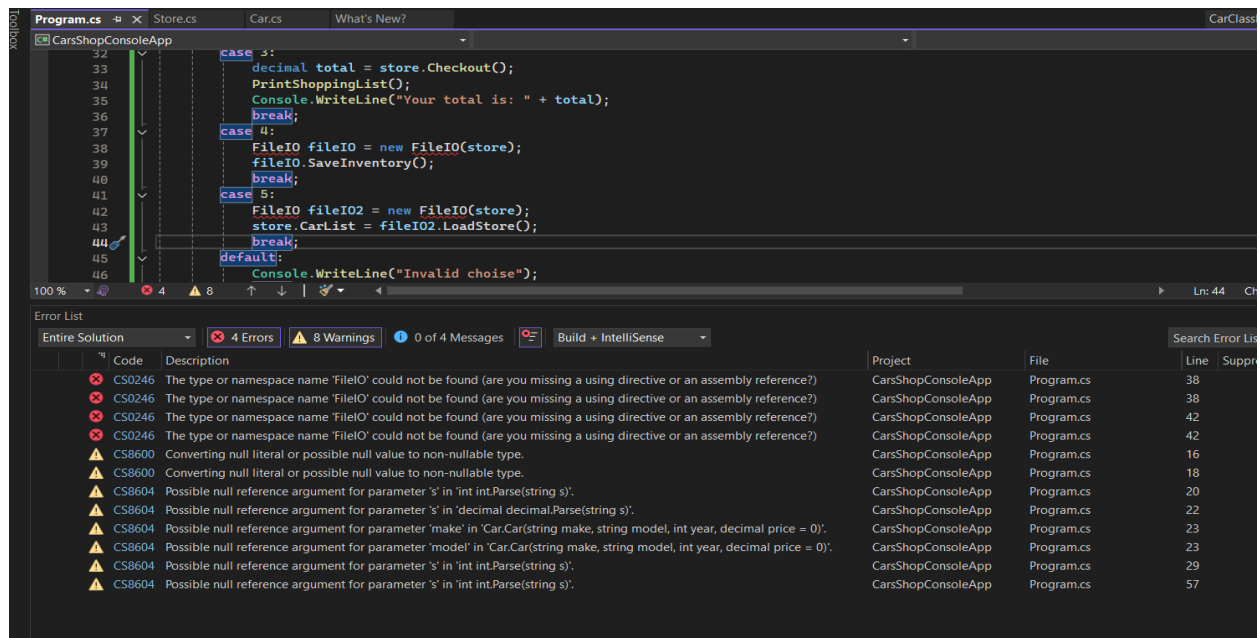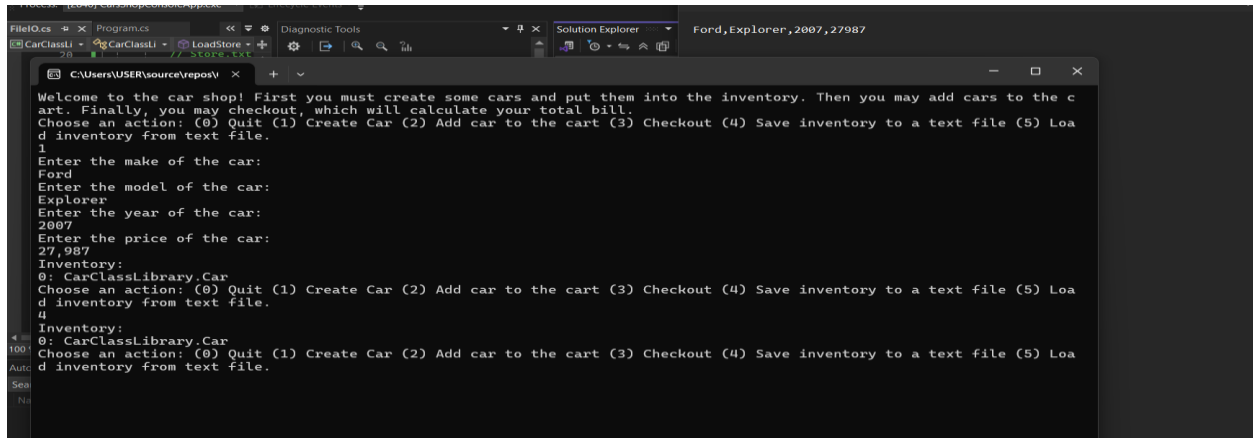
First running Program

This is going to be the first screenshot for the program when trying to run the application. As of now there is no directive for the FileIO to connect to (as of yet) so we are receiving this error when attempting to run the application. This will obviously be something that will be fixed later as we continue the development process.
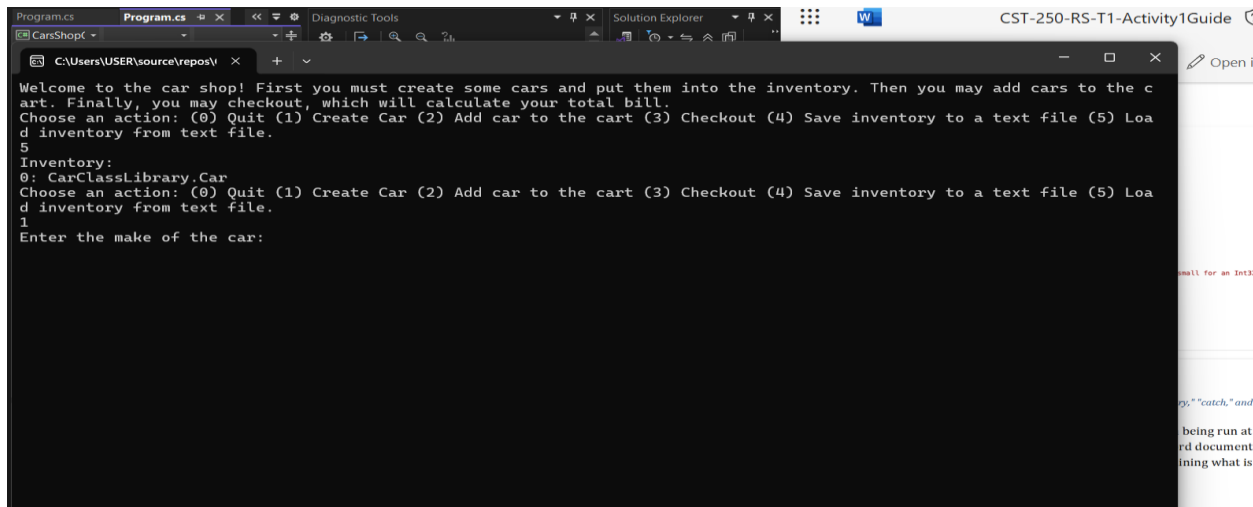
Creating Car and Saving to TXT File

In this screenshot you will see the main console that the program is running through and where input is, and output will be handled and the txt file in the upper right-hand corner. From the screenshot you can see that we are creating a Ford Explorer to be added to the file, which is the same vehicle whose information that we see displayed in the upper right hand of the screenshot.
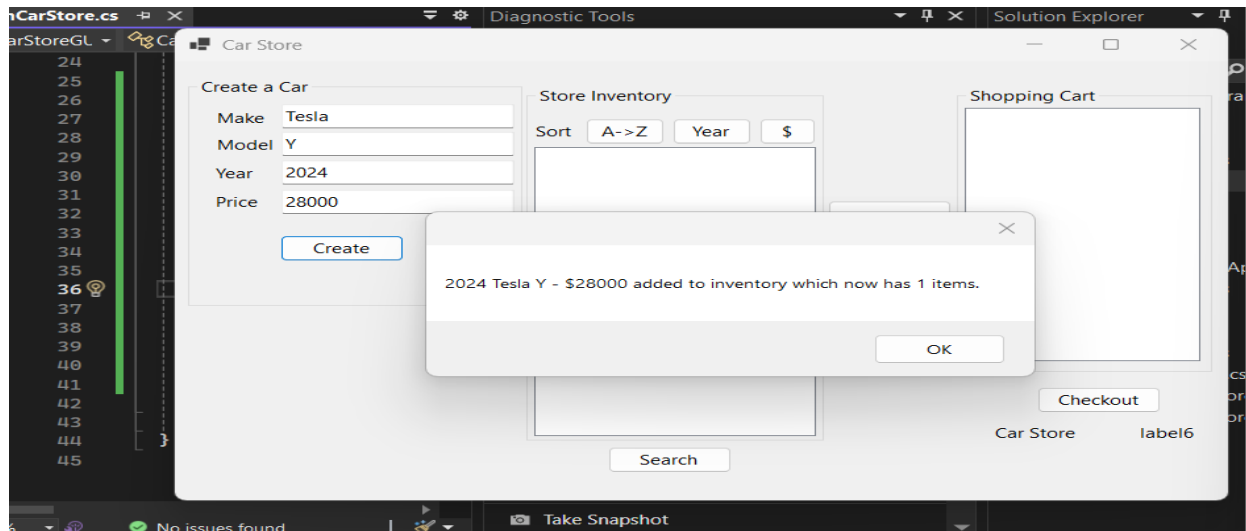
Adding Error handing for input

Is this screenshot we are demonstrating the try/catch error handling that we have implemented to help prevent any crashing issues or any other issues when the user is inputting information.

Adding Vehicle through GUI

In this screenshot we have a demonstration of a user adding a vehicle to the store inventory list. From here the user will be able to input the information about a car into the specific locations to then be added to the list and then and display message is given to the user.

Adding Vehicle from Inventory to Cart
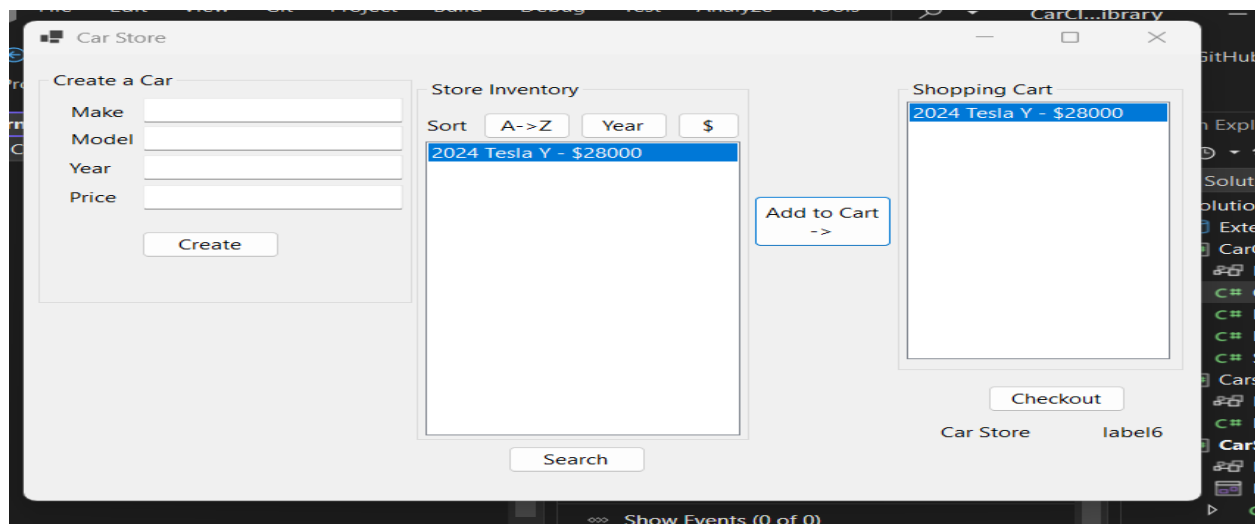
In this screenshot we are demonstrating a user running the application and first adding a vehicle to the Store's inventory. Then the user will now be able to select a vehicle from the Store's Inventory to then add to the Shopping Cart. From here the user will be able to see the price and details on the car.

Checking Out with Items in Shopping Cart
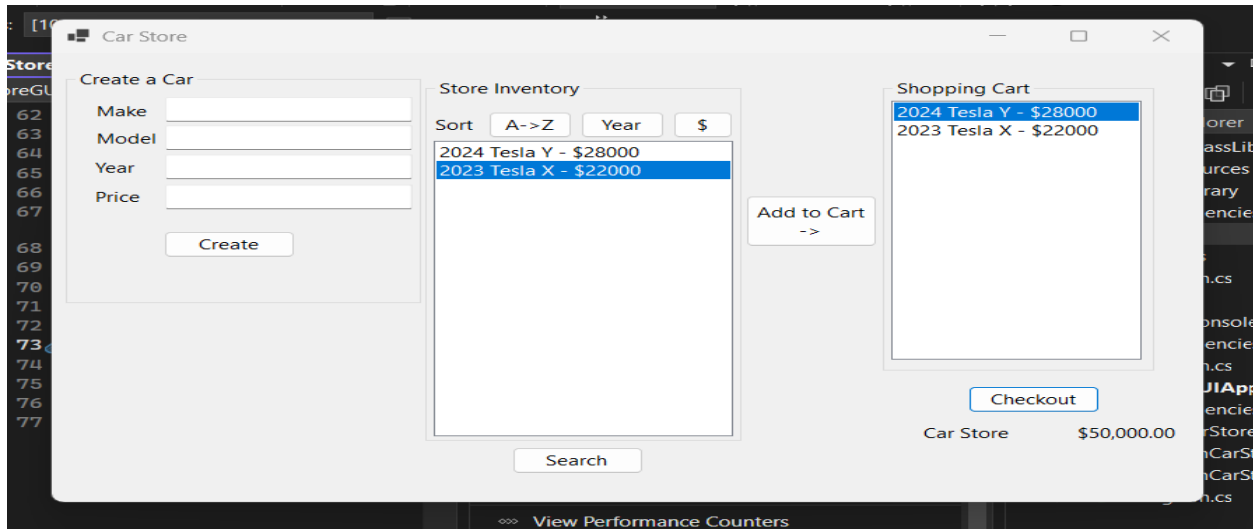
In this screenshot we are demonstrating how after the user has all the vehicle selected that they wish to purchase, we cannot give the checkout function. From here the user will be able to click on the Checkout button and get the total displayed below the checkout button with the total amount for all the vehicles.

Adding the Search Function for Store Inventory
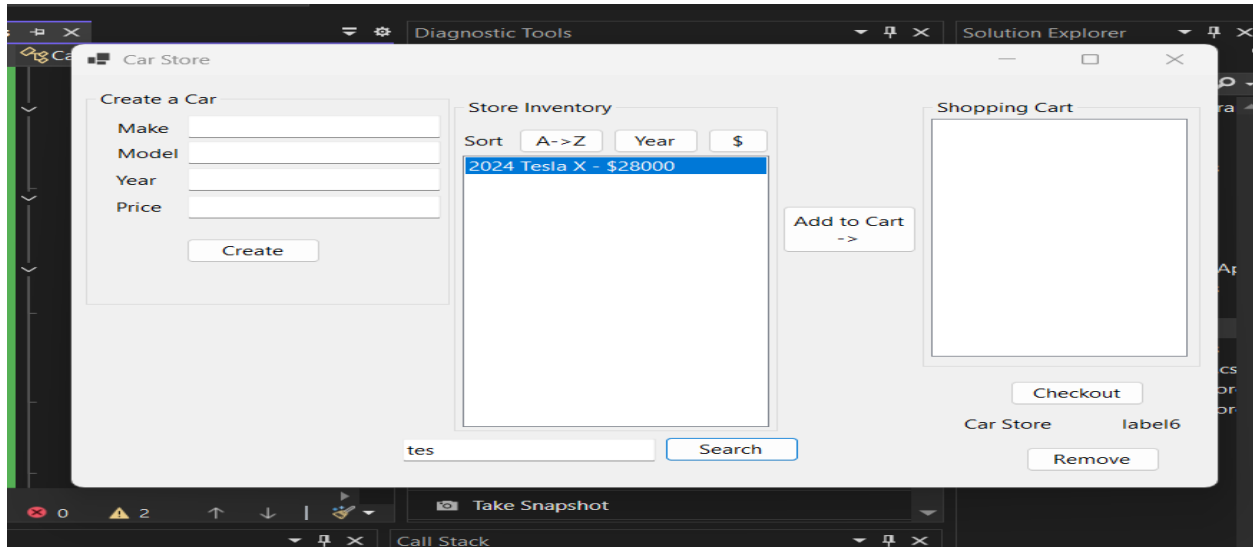
In this screenshot we have added the functionality for the user to be able to search for specific vehicles from the Store's Inventory. The user will be able to type in the characters for the vehicle they are looking for then click on the Search Button whenever they are ready, and the Inventory list box will only display those vehicles.

Removing vehicle form Shopping Cart
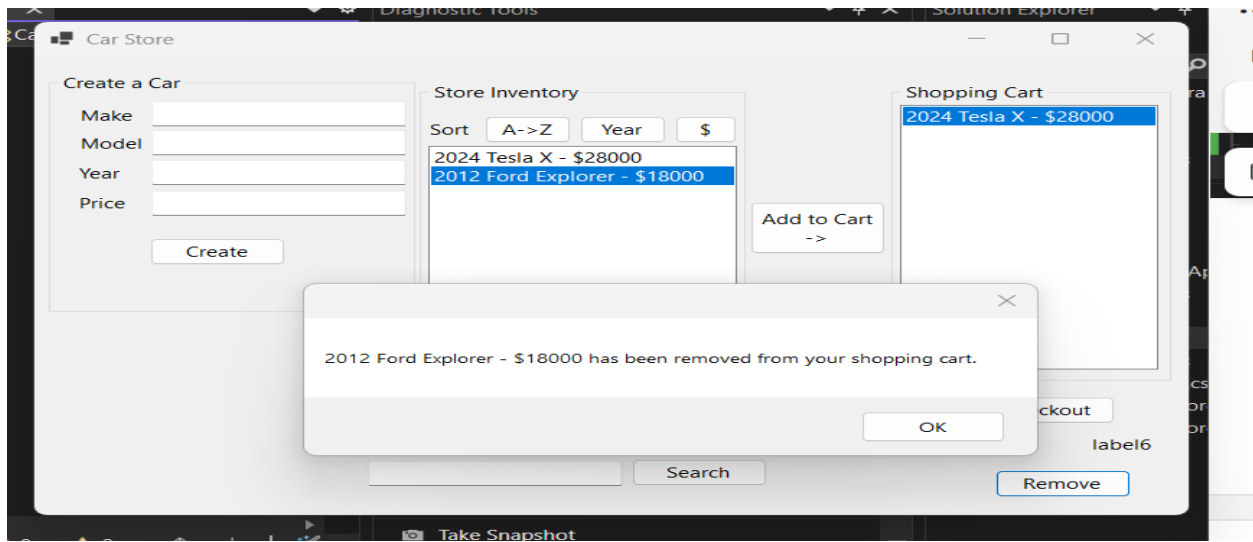
In this screenshot we have added the functionality for the user to be able to remove specific items from their shopping cart that they may have changed their minds about. They will be able to select the vehicle they want to remove and click on the remove button below the list and the item will be removed from the list.

1. What was challenging?
   I would have to say that the most challenging thing about this assignment, at first was when I first started the project setting up the FileIO and it was giving the program an error and not allowing it to run which can be seen above in the screenshot. After a little bit of frustration and looking over the program to see if I missed anything I decided to just walk away and take a break. Probably about an hour later I came back to it, looked over the program, then looked deeper into the activity guide and realized it was the next thing, was a bit frustrating I didn't just scroll down but glad everything is working now!

2. What did you learn?
   For this project I learned a lot about the console app tools (like buttons, group boxes, textboxes, etc) and how to use them to code with my preexisting backend logic to make things look more appealing and fun for the user when utilizing.

3. How would you improve on the project?
   If I was to improve on the project from the point that it is currently at, I would have to say that I would mainly be focusing on the UI design of the application. Trying to make the buttons look nicer, with maybe some color or rounding out the edges so

they aren't pointy. Also investigate an appealing color palate for the UI to really help pop for the user.

4. How can you use what you learned on the job?
   I feel everything that we have learned so far can be very useful at any job. With these skills I would be able to assist product teams in the development of applications, websites and/or software based on the business's need.