A brief description of the ITS320\_PortfolioProject\_Option1 program:

The program opens with a number menu. Entering a number selects a choice (figure 1). The option to update the status of vehicles in the inventory to “sold” or “scrapped” exists (figures 4 and 5), or a vehicle can be removed completely (figure 6). At any point, the user can display the inventory list on their shell (figure 3) or choose to write the inventory to a file (figure 8).

Note: to facilitate testing and evaluation, the program contains some preprogrammed vehicles in the main() body. Removing the comment octothorpes will initialize three vehicles and append them to the inventory list. The program can thus be started with some data already included.

A screenshot of a computer program

Description automatically generated

Figure 1. The main menu of the program.

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Figure 2. Adding two different vehicles (2015 Mazda, and 0050 Flinstones car)

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Figure 3. Displaying the current vehicles.

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Figure 4. Selling a vehicle (Flinstones car for $500,000). Note the vehicle is now updated as “sold” with the sale price.

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Figure 5. Scrapping a vehicle (2015 Mazda). Note the vehicle is now updated as “scrapped” with price of “0”.

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Figure 6. Removing the Footmobile from the inventory list.

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Figure 7. The program writes to a file in the same directory as the .py

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Figure 8. The file (after adding a couple more vehicles).