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INST 326

Professor Aric Bills

## Final Project

### *Files*

*beverage\_menu.txt* : A text file that stores the beverage menu which will be used to display the menu in the main program. Contains the full menu, which includes the items, sizes, and prices for each beverage size.

*beverageshop.py*: Python file which successfully runs a beverage shop. Pulls the *beverage\_menu.txt* file and displays it once the program is called.

### *Instructions*

To run the program, you would call this into the command line: `python beverageshop.py`. This will call the beverage shop class and begin running the program. First, a greeting will display welcoming the user to the beverage shop. Once they're greeted, it will then display the full menu of the beverages. It will contain coffee, tea, smoothie, wine, and beer. It will list all of the prices for each size, "Small", "Medium", or "Large" (this is case sensitive, so the first letter must be capital as it is in the menu). It will then ask the user to enter the beverage they want to order, but if they would like an alcoholic beverage to type "Alcohol". If the user selects "Alcohol", they will then be asked to verify their age. If the user is under 21, it will display, "Sorry, you are not allowed to order alcoholic beverages." If the user is 21 or above, it will then ask for which beverage they would like, "Wine" or "Beer". Our file is case sensitive, so you would have to type it in the way it's displayed (first letter capitalized). The user can select whichever, then it will continue to ask what beverages they'd like to drink plus the size. When the user is done,

they enter “done”. It will then display the total of their order and then will thank them for ordering.

Method/Function	Primary Author	Techniques demonstrated
place_order	Matthew Temesgen	conditional expression, optional parameters
calculate_total	Matthew Temesgen	comprehension
load_menu	Matthew Temesgen	with statements
display_menu	Minh Chu	nested loops, string formatting
display_order_summary	Minh Chu	f-strings containing expressions
run	Minh Chu	outputs message

### *Annotated Bibliography*

*Object-oriented programming*. PY4E. (n.d.). <https://www.py4e.com/html3/14-objects>

Used this source to look at conditional statements and overall understanding of object-oriented programming. Benefitted when typing code.