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CMPT 220L
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Todo List

I am going to do a program that generates a to do list. The user will be able to enter what they want to do to the todo list. The output will be something like "What would you like to do? (1) enter a todo list item (2) complete item (3) delete item." Then the program will run based on what number they choose. The program will print out the to do list in the order that the user specifies based on one of those categories. It will also be able to take the input of the user has completed it and mark it as completed.

One of the classes will be the main one with a name such as TodoApplication(). This will be the one that runs when the application is started. It will create a todo list that gets manipulated as the user interacts with the program. It will be able to things such as add and delete tasks.

There will also be a class that will write the list of items to a local file so they can be read back later. They will be separated on new lines to make this easier for the user. This will include a save command so the data can be kept. I will hardcode the the filename so it can be read when the application begins.

There will also be a class designated to hold and be a container the todo items. It will manage the items added by the user. There will also be a class TodoItem() that represents the individual todo items that the user inputs.

I will also have a reward class that the user can mark as complete. When they do a positive message will appear. Something such as "Great Job! Now you're done with that!" There will be many messages in the program and it will choose a random one for each completed item. When this happens, it can be able to remove the completed item from the todo list.

Will you be able to save the todo lists to be retrieved later? Make sure you have enough Java classes in the implementation.