

CSE1100 — Object Oriented Programming

Assignment 7

September 28, 2022

Assignment

In this assignment we're going to add read and write functionality to the application.

Assignment 6.1

When starting, the application needs to automatically read data from a text file. Use the file *joblist.txt* that is provided with the assignment. Parse this file and fill the catalog with the information from the file. Write tests for the read method(s) as you implement.

- The first line shows the address information.
- The second line contains a description of the job.
- The third line lists all of the required equipment for the job including a description with additional requirements (this can be nothing).
- The fourth and final line provides the planned date for the job.

On the next page you can see sample content from a file that contains all the information related to a job. You should be able to parse this format.

Mekelweg; 4; 2628CD; Delft
Construct a new bathroom on the 8th floor.
JackHammer, A hardened chisel; ConcreteMixer, None;
24-10-2022
Cornelis Drebbelweg; 5; 2628CM; Delft
Repair one step on the eastern stairway to the 1st floor.

23-10-2022

Assignment 6.2

After the initial read operation, the user should be able to use the application as before. Option 1 should show all known jobs (which includes the items read from the file as well as items added via option 2).

Change option 7 (close application) so that when the user chooses it, all jobs are written back to the file they were initially read from. This includes jobs that were added via option 2. The jobs should be written to the file in exactly the same format, so that when the application is started again, the jobs can be read from the file like before.

Feedback

You can request help from a teaching assistant while performing the assignments. Also, once you feel your solution to the above assignments is complete, you are strongly encouraged to let a TA sign off your solution. Before you do so, please make sure you adhere to the rules stated in the lab manual (format your code properly, make sure the unit tests run successfully, etc.) Of course, feel free to ask a TA for advice if you need help with this.

Use the following checklist and discuss it with the TA when signing off:

✓	Description
	Code formatting is according to the rules of the trade, there are no CheckStyle warnings or errors.
	Each method has comments in Javadoc style.
	Each class in this assignment has an <code>equals</code> & a <code>hashCode</code> method.
	Each method (apart from the main method) is tested with 100% line coverage through jUnit tests.
	The number of asserts per unit test method is limited (preferably 1)