CSE1100 — Object Oriented Programming Assignment 7

September 28, 2022

Assignment

In this assignment we're going to add the final bit of functionality to the application for the contractor. We need to implement some more menu options so it's easy for the contractor to get the information they need.

Assignment 7.1

Apart from adding new jobs, the contractor also wants to be able to reschedule jobs (change the planned date) or remove jobs altogether. Use the `jobNumber` to allow the contractor to easily indicate which job they want to edit or delete.

Implement the following options:

> `3 – Delete existing job.`
> Allow the user to indicate which job they want to delete, and ask for a confirmation (are you sure?) before deleting the job from the catalog.

> `4 – Change date of existing job.`
> Allow the user to indicate which job's date they want to change, and ask them to input the new date.

Implement and test additional methods to facilitate this functionality as needed.

Assignment 7.2

Use **Functional Programming** to implement the following options. You cannot use any `for`-loop or `while`-loop.

Implement the following options:

> `5 - Print jobs by date.`
> Allow the user to input a date and print all jobs that have this date.

> `6 - Print required materials by date.`
> Allow the user to input a date and print an overview of all equiments and power supplies that will be required for jobs that have this date. To avoid duplicating equipment, ensure the output is **distinct**.

Implement and test additional methods to facilitate this functionality as needed.

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 `equals` & a `hashcode` 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)