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Object-Oriented Programming with Java

Project Specification

You are going to have several extensions for the project which will be given to you incrementally after certain lessons. This document specifies the main features with which you can start developing your code.

- ▸ Develop a Java program for a bar/restaurant with the following features:

  - ◦ Item: Name, ID (incremental ID by 1 for each item), Price.

  - ◦ Table: ID (incremental ID by 1 for each table), Net Amount, Total Amount, VAT, List of items, Date and Time of purchase, Address of the bar/restaurant, name of cashier.

  - ◦ Waiter: Name, Surname, Username and Password (insert in code five fixed current waiters).

  - ◦ Manager: Name, Surname, Username and Password (currently insert in code one fixed current manager).

- ▸ The program must:

  - ◦ Present a Menu for the waiter and manager after they log in with username and password.

    - ▸ Menu:

      - ▸ New table

      - ▸ Insert item in table

      - ▸ Remove item from table

      - ▸ Modify item in table (for example, change coffee with milk)

      - ▸ Print information for current table

      - ▸ Print information for table with a certain ID

- Apply discount to table with 10%

- Overall number of tables for the waiter with a certain username. (require manager password)

- Total amount of all tables processed by the waiter with a certain username (requires manager password).

- Total number of all items processed by the waiter with a certain username (requires manager password).

- Total amount of all items of the current day (requires manager password).

- Switch program from one waiter to another waiter

- Switch program from Waiter to Manager and viceversa

- Exit

Where and when to submit:

You are going to have several extensions for the project. You have to submit ONE FINAL project incorporating all the extensions.

- Zip the Netbeans project into a .zip document

- Rename the file in "Name Surname Java Project .zip"

- Submit the file by email to marenglenbiba@unyt.edu.al.

- Mail Subject: Java Project Submission – Name Surname

- Deadline: 21/06/2020 23:59.

- 10 % off if the above rules are not respected as written.

- 20 % off for each day of delay

GOOD LUCK AND HAVE FUN!