

Instruction for the exam is in the separated topic in the moodle.

Notice that there could be multiple ways to do this app. There is not only one way to solve this. Do your own design. If you are after a good grade you should do the following:

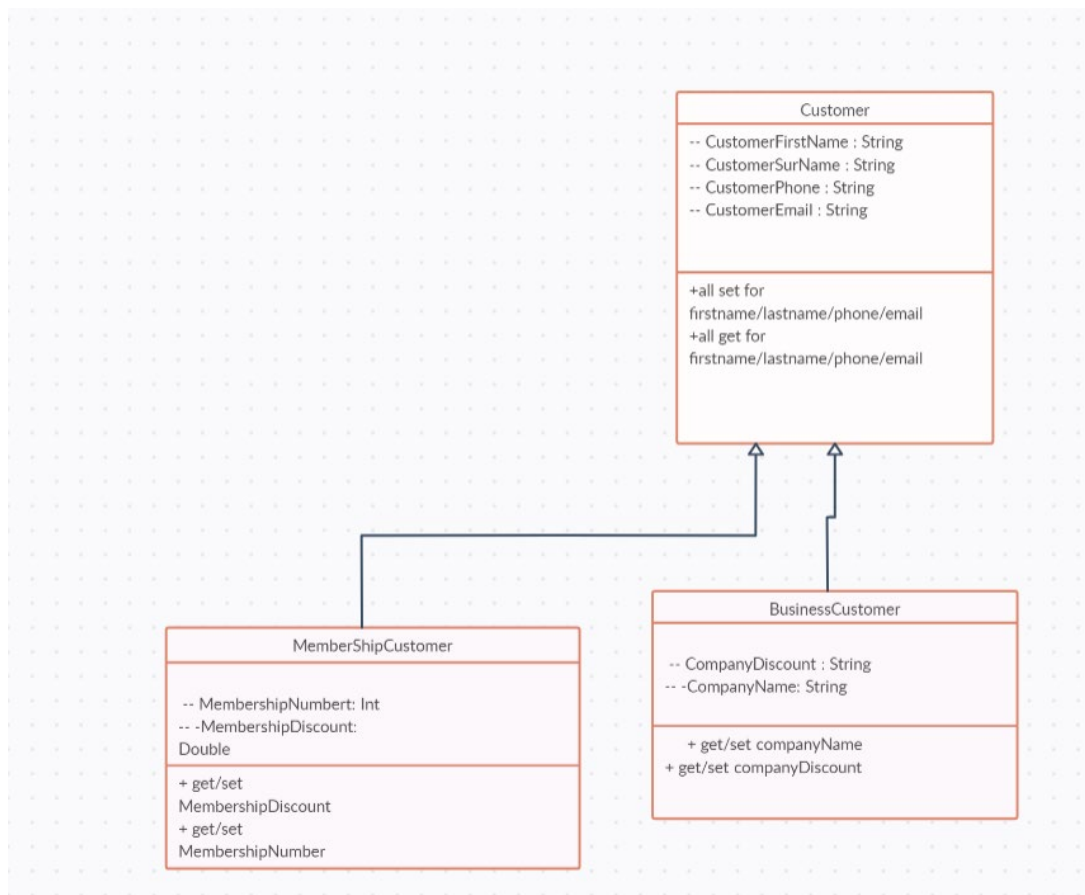
- create own classes (super and sub)
- use encapsulation (get/set)
- use constructors
- use methods and at least one method return

Cashier-app

First, make a new project for the exam in eclipse/VScode etc. You should .zip whole your result and return to moodle. Return mainCashier.java, customer.java, memberShipCustomer.java and businessCustomer.java. Zip/rar/7zip either all in .java format or txt.

Make a program that calculates the total amount of purchases after the discount percentage. Start by asking in Main-class from user the prices of items s/he wants to buy. Then ask for the customer's basic information: first name, last name, phone number and email. After this, ask if the customer is either a business customer or a member customer. If the customer is a business customer, his discount percentage is 10%. The discount percentage for member customers is 5%. If the customer does not belong to either group, he pays the amount in full. Finally, ask if the cashier wants to add a new customer. And finally, tell you how much the customer's total is.

Make following structure:



Example run:

```
Give the price for the product: 10
Do you want to give another product price? (y/n)
y
Give the price for the product: 20
Do you want to give another product price? (y/n)
y
Give the price for the product: 20
Do you want to give another product price? (y/n)
n
Give customer information:
Firstname: Johanna
Lastname: Vuokila
Phone: 040-112233
Email: johanna.vuokila@lapinamk.fi
Amount of purchase: 50
Select customer type: 1)Business customer 2) membership customer
3)regular customer
2
Give membership number: 12345
Membership customer discount: 5% The total sum to pay: 47.50
Do you want to add new purchase/customer? 1)yes 2) no
No
App close
```

Main program: use as many methods as possible. If something is done multiple times, put it to a method. Calculating the total sum of purchases should be in its method. Possible methods in main:

`addNewPurchase()`

`addNewCustomerInformation()`

`calculateTotalSum()` return value to one who is calling the method.