

NAME, SURNAME and UČO: _____

Q1. You are requested to write a simple application that given a dataset of all students in a room will compute the number of students that have the same birthdate (*day, month, NOT also same year, so two students considered born on the 28th Feb of different years will be counted*).

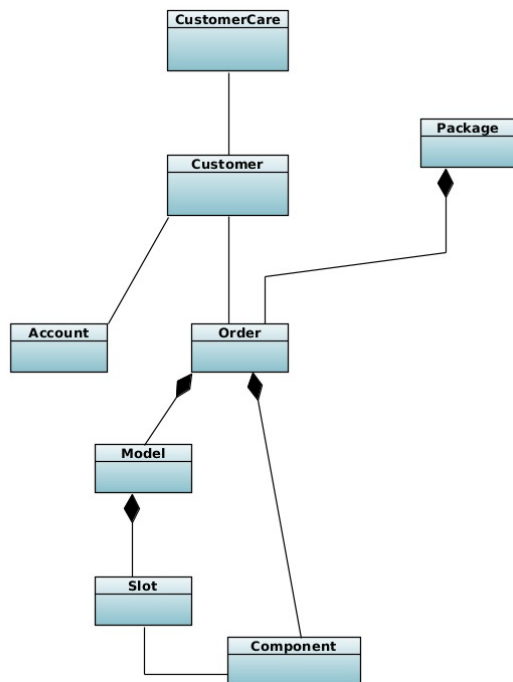
```
[...]  
if (students[i].getBirthDateDayMonth().equals(students[j].getBirthDateDayMonth())) {  
    myCounter.increase();  
}  
[...]
```

Suppose that *myCounter* has NOT been initialized, so the method will crash with a `NullPointerException`.

If you consider a room of 50 students, how likely are you of getting a failure by running the system?

- A. between 0-50% of the runs
- B. In more than 51% of the runs

Q2. Look at the following diagram (*from Pezzè & Young book*), you can use it to answer the question by making examples out of it.



If we are starting development and we are following an incremental integration testing strategy, how is a threading integration different from a sandwich integration? How would you run them on the example given? (PLEASE ANSWER IN ENGLISH ON THE OTHER SIDE OF THE PAPER :)

