

STAFF MANAGEMENT PROJECT

PROJECT DESCRIPTION

You are supposed to write a simple staff management program. The employees are to supposed to be of different categories you decide but for example, secretaries, technicians, programmers and more... You have within the group free hands to design the program.

SHOULD BE ABLE TO:

With this program you should be able to:

- Add employees of different kinds
- Update employee information
- Show information about a specific employee
- Remove an employee
- Calculate salary and bonus for each employee
- Provide statistics of various kinds based on the information we have about the employees.

STATISTICS

Statistics could be any statistical information. You can decide within the group what to do or choose from these suggestions:

- Average salary in the company, Overall and in different professions.
- Gender distribution in percent, overall and within different professions
- Bonus payment overall and in various professional roles.
- List the highest and lowest salary in the company.

BONUS UPPGIFT

- Add an interface with specific behavior for some employees.
- Try to catch minimum two exceptions in the program.

REQUIREMENTS

These are the roles that you must follow.

CLASSES

Try to balance size of your classes. Avoid making any class, specially the main method in it too big.

ENCAPSULATION

Use designed encapsulation to create proper restriction and roles in your program.

POLYMORPHISM

It should however at least have one method that is unique to each profession (apply polymorphism).

UI

Your team should decide the tool to create user interface (UI). But making the project nice is not the main point. We focus on backend part of the project more. So, try not to make go for something that you can't deliver.

DELIVERY

PRESENTATION

- The team should be prepared for 10 to 15 minutes' presentation.
- We demand all the members of the group be involved in presentation.
- Making a PowerPoint is not required but it is definitely a good way to go.
- The presentation must include demonstration of the product as well.
- Try to express strength and weakness of your program.

TEST AND Q & A

The presentation will follow by, class asking questions about the project and how it works and test parts or all of the project.

Deadline: **12 Feb 2020**

Best of Luck!