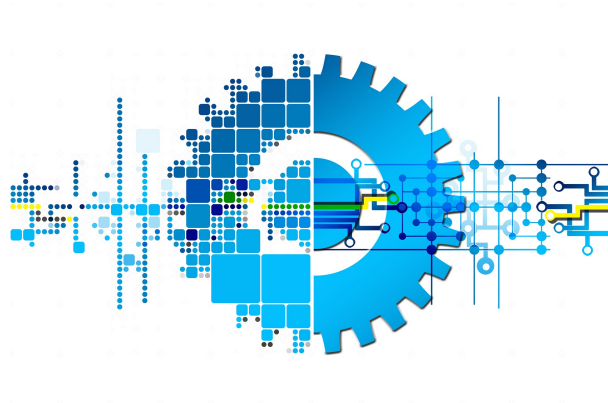# T6 – Organizational Structure

T-ORG-600

Organizational Architecture

Business environment as a network

Organizational Archi

binary name: organisation
repository name: ORG_organisation_$ACADEMICYEAR
repository rights: ramassage-tek

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- The totality of your source files, except all useless files (binary, temp files, obj files,...), must be included in your delivery.

- All the bonus files (including a potential specific Makefile) should be in a directory named *bonus*.

- Error messages have to be written on the error output, and the program should then exit with the 84 error code (0 if there is no error).

In order to understand and analyze the functioning of the company in which you work, you must

1. model the communication flows within the company ;

2. analyse and explain the procured graph and compare your observations with your teammates' own conclusions.

+ STEP 1: MODELISATION

Starting from a **dataset representing the exchanges** between different employees (**yourself included**) in the company that employs you, you must create a **graph representing this data** (frequency and possibly nature of the exchanges: discussions, information, notifications,…).
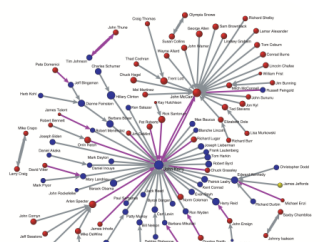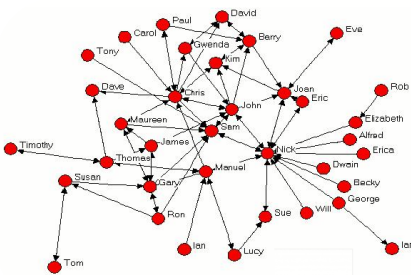
> Display as much information as possible on your graph: single recipient or not, reply to a message or not, cc, bcc, the department to which the person belongs, … represented by the distance between your graph nodes, the color and the thickness of the link, or any other distinguishing visual element.

{EPITECH.}

There are several ways to retrieve relevant and accurate data:

- anonymizing a dataset from **your professional mailbox** (if the company authorizes you to do so),
- **interviewing** different employees,
- getting **metrics** from a reporting tool or a social network if you use one,
- …

> You may also want to include clients or providers in the dataset, especially if you work in a very small company.

You must deliver:

1. your dataset (whether anonymised emails, interviews, metrics or anything else),
2. the graph as a PNG image.

> Obviously, no hand drawing for that graph. Let's be serious…

+ Step 2: analyse

You then have to comment your results in a public presentation, and compare it to the ones of your team-mates.

You should show such things as:

- the types of **relationships** with the hierarchy, employees, external teams, etc.
- the degree of **centralization** of the organization,
- the efficiency of the **decision-making** processes,
- the **specialization** of employees and the division of work,
- the **type of organization** within the company,
- your **role** in the company,
- any other element that seems relevant to you.

> You should rely on the knowledge you have about the company and the employees.

Functional Organization

Matrix Organization

Project Organization

Take advantage of the differences between your respective companies among your group to dwelve a bit further into the organizational structure theory.

Compare your conclusions and try to draw a map of several ways of communicating, highlighting the **strengths and weaknesses** of each of them.

At this step, **suggestions for improvement** of possible sources of malfunction will also be welcome, as well as a reflexion about the way these improvement could be set up (in terms of media, division of work, type of communication,…).

> Make sure that your presentation is worth assisting and that your analyses are relevant and meaningful!