

# Software Engineering

## **Block 0: Subject Introduction (Exercises)**

BACHELORS DEGREE IN BIOINFORMATICS, SOFTWARE ENGINEERING





# Your first Software Engineering exercise!

# Objective of the exercise

This exercise is an informal approach to the tasks involved in software development. Therefore, it focuses on these aspects:

- Which **tasks** need to be performed to develop new software?
  - Hint: coding the code is not the only task necessary to create software.
- Which **results** should be obtained from each task?
  - Hint: the tasks should be able to be chained together.
- And how to **plan** the different tasks to achieve the goal?
  - Hint: the goal is to quantify the effort to perform each task.

*(The underlying goal is to become more aware of the difficulties of organizing the development)*

# Performing the exercise

**Without** prior knowledge, you should try to:

- List all the **tasks** required to complete the development.
  - Tip: these tasks will range from analysis to deployment, including management.
- Outlines the **objectives** to be completed within each task.
  - Try to describe in depth as much as you can.
- Provide a **work schedule** of the tasks to be performed.
  - The idea is to focus on collaboration and management of the developer group.

# Deliverables

*This is an evaluable exercise, so deliverables are mandatory.*

You should create a **PDF document** with **good organization** and **readability** that provides the required information:

- First try to analyze the project in order to understand it and extract all relevant elements.
- Organize your work to complete this exercise.
- Reuse as much as you can to write the document.

The document must be delivered individually on time using the Moodle activity.

We (all of us) took some time for an open discussion on the project!





# Problem domain

*Implement the software platform for an online food delivery service.*

This includes:

- Management of the delivery
- Client accounts
- Payments
- Transport costs
- Platform administration