

# Software Engineering - A4

## TP 1

### 2022-2023

#### Objective of the practical work in this module:

- The objective of the practical work of this module is to develop an online or a desktop software of your choice from A to Z following the software development life cycle practices
- You will have to work in a group of 3 or 4. In order to create/join a group, please go to the right excel sheet of this excel file : [Software Engineering - Groups - 20222023.xlsx](#)

#### The objective of the following TP sessions is to perform the first 3 phases of the software lifecycle:

- Planning
- Business requirements
- Software specifications

#### Actions:

1. Choose the type (desktop or online) and the activity of your software (example: e-commerce website for cosmetics, desktop library for music, ...)
2. Use MS Project software to plan your project. You need to:
  - a. create the Gantt diagram that depicts the development phases
  - b. define the resources you need to develop your software (human, computer, office, ...)
  - c. assign resources to tasks
  - d. generate any useful report to include in next document (the BRD)
  - e. get inspired from the official support: <https://support.microsoft.com/en-us/project>
  - f. get inspired from the video link: <https://www.youtube.com/watch?v=ei5xUlksV7o>
3. Create the Business Requirement Document (BRD) for your project
  - a. your document should include the 7 sections described in slides 39-41 of the course.
  - b. your document should also include a Benchmark and marketing section as in the “Hôtel Paradis - Cahier des charges” document that you can find on DVO
4. Create the Software Requirement Specification (SRS) of your project
  - a. your document should include the 4 sections described in slide 42 of the course and in the link inside
  - b. get inspired also from the document “Hôtel Paradis - Cahier des charges” on DVO, sections « Spécifications fonctionnelles » and « Spécifications techniques »

#### Submission:

1. You should send your work in a zip whose name is **[groupe\_id]\_SE\_2223\_PW1.zip** in the repository associated to your class. The zip file should contain the MS project file mpp, the BRD file, the SRS file. The due date for each group will be specified on DVO.