

What should be covered in my individual project

What to make and how to make it?

You are free to choose a project of your own. It can be the new IMDB or the new Spotify, or maybe you want to make a new Facebook? Or do you want to make a game? It is all possible, but as always you need to discuss your idea with your teacher. Discovering what to develop is part of the work in week 1 of the semester.

You are in charge of the project process and execution. Your teacher will have some expectations that you should meet. Your teacher expects:

- An Agile way of working
 - Make sure you understand what this means for your project; and how to manage it this way.
- Initiative to get regular feedback
 - It is your responsibility to keep every stakeholder properly informed.
- Meeting the expectations that we described in each module of this course
 - So read the information in this course, and understand what is expected of you.

General Requirements for IP

We have some technical and design requirements that should be taken into consideration.

The following **technical requirements** apply :

- The (main) **front-end** is made with a [JavaScript front-end framework](#)
- The (main) **back-end** is made using an **OO based language**;
- Your software project is set-up as a **distributed architecture**. The definition we use is described in the module [Distributed Software](#).
- [Asynchronous communication](#) and/or **concurrency** is taken into account;
- Your project uses a **database** for **persistence** and an [ORM](#) is properly used where applicable;
- A proper **UX** is investigated and implemented for the **presentation tier(s)** of the project;
- [Quality assurance](#) and **release management** are properly addressed.

The following **design requirements** do apply:

- You create at least two front-ends OR two persistence layers; the purpose and/or technical choices should differ. (e.g. separate admin module OR an

ORM implementation and pure SQL in the second). As an alternative, proper use of external API's is an option, if applicable for the project.

- Your project should be able to support different presentation tiers;
- Your project should be able to support different persistence tiers;
- Your applications/tiers should be separately deployable.

Deviations from these requirements are allowed but need to be discussed and approved by the teacher at all times.

Research reports (Bachelor students only)

For the bachelor students an extra requirement applies. They need to execute and document at least two practical researches, as described [here](#).