**A person jumping in the air

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**1 Challenges:**This education could also be described as **challenge based learning.**The learning journey in a semester starts with selecting one (or more) challenges to work on which match your personal learning objectives. Challenges are used to guide the*learning process*, make it *meaningful,*provide a *context* and a *stakeholder*with a real life challenge. **So everything done in this education will be for real!**

**1.1 A challenge:** is a real life issue from a stakeholder (usually a [partner in education](https://www.piefontysict.nl/nl/)), which goes from solving an innovative question to creating new business opportunities. This challenge has to be open to match the learning objectives of the students, ergo, it’s not something like *“create this app for Android, here are the specs”.*

A challenge always contains:

* + An issue to be solved (or innovation question)
  + A real-world context in which the problem lives, for example Healthcare, or Art
  + A technological context, for example AI, Blockchain or Webtech

**1.2 Choosing a challenge:**We always ask you to start thinking about how and in which area you want to develop yourself in the coming semester(s)s, what your learning objectives will be. For this an intake is organized. And since challenges are organised in terms of, challenge, context and technology, this will give a starting point.

* + **Starting from technology:** This is a very often used starting point. If you want to learn something about a specific technology like Docker, Blockchain or Neural Networking, this gives a specific filter over the challenges.

This starting point can also be broader, like I want to develop programming or UI skills.

Both of these starting points will narrow the challenges down. Most challenges have multiple technological entry points.

* + **Starting from a context:**Since most challenges have multiple technological entry points, it can be a good idea to start from a context that can be very meaningful for you. Contexts like education, robotics, art or healthcare can be very stimulating. These also provide a filter for the possible challenges.
  + **Challenge as starting point:**It could be you have the perfect challenge in mind. If it exists this is fine. If it doesn;t there is the opportunity to **define your own challenges**. However there are certain rules attached to that.
  1. The challenge description has to be approved.
  2. There has to be a stakeholder (Preferably a partner)
  3. You have to pitch the challenge to other students

**Pitches and the challenge market**: At the start of the semester there will be a pitch market of all the challenges. Considering the number of challenges it’s impossible to see  all pitches, so make a wise selection. In order to do so, the challenges will also be all online in the Canvas course. The end result will be groups with fitting challenges.

**What’s in it for me:** Taking the time to select or find a fitting challenge will give you a context that is motivating and fun to work on with fellow students with the same interessests. So give it enough attention.