T6 - Year-End Project

T-YEP-600

Final project

How it works and how it is evaluated

1.0

Final project

repository name: YEP_finalproject_*$ACADEMICYEAR*
repository rights: ramassage-tek
language: everything working on "the dump"

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

Context

This project aims to provide some insight on how to carry a project from an idea to a practical solution.
This project can and should act as demonstration that of your skills and what you are able to do at the end of this year (it may be of great use during job interview).
It is composed of two major steps, first the definition of the different specifications of the project and then the realisation of said project.
To do so, we wanted a flexible scope to see through any kind of project, hence the choice to make this module progressive (1 credit for the specs and up to 6 credits for the implementation of said specs).
This document aims to give a track to follow when you will decide the number of credits granted for each project.

For every example of specifications we will use the case of an E-Commerce website

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First Step : Specifications Definitions (1 credit)

The first week is solely there to establish a scope for every project. Each groups of students will have to craft a document who will hereby certify the different behaviours we need to see to judge the project complete (or not).
Each specifications will fall into one of two categories; either a major feature or a minor feature.
A Major features can be seen as a breakthrough in the project, it needs to bring something mandatory on the table.
(Ex : feat(back) : implement the paypal sandbox API to simulate a payment on our website).
It should be an equivalent of 1 workday.
Minor features are small tasks who will support said major feature such as Quality Of Life features, UI / UX optimizations, …
(Ex : feat(front) : Add a new set filter for the selling products).
It should be an equivalent of 1/2 workday.

1 workday = 7h for one person

The document aims to act as a roadmap. It's there to set a context, which can evolve during the different follow up session

The document must be delivered and judged complete to validate the credit so we need to insist on the fact that this step is crucial, the project depend on it!

Second Step : The Follow Up Production (up to 6 credits)

When the scope is set, the groups will start implementing the different aspects of their project. During this period there is a
total of 3 follow up meeting (every 2 weeks). These are supposed to be milestones for the projects where the students show the new
features and we evaluate whether or not they re complete.
For each milestones we unlock up to 2 new credits engaged during the specifications period. If they meets the requirements, we keep the credit
pool as it is. If the requirements are not met, we need to discuss the ambition of the project and if we need to wether or not lower our
expectations. If the students think they can make up for it, they can add the features to the next follow up requirement, hence take back the
past credits.
The requirements to unlock the credits are as such : the groups must provide 1 Major feature and 2 Minor features per person to validate 1 credit.

Our role is to keep track of the progress of each groups and to make sure they're on the right track to see the project to its end.

The groups must show a working instance of their project through some kind of demonstration to qualify for the credits.

Final Review

For the Keynote, we expect the usual presentation : demonstration of a working instance of the project, some insight of the thought process behind each decision made …