

LabnBook is a platform where students and professors of university and higher education can write scientific documents (practical work, scientific notebook, ...).

This platform was created in order to simplify the correction of practical works and communication between students.

## Context

### The application



Tool for science teachers.  
Teachers can upload work subjects and students can work on them alone or in groups.

**3500** teachers and students in different universities and higher education



Easy to communicate for practical work  
Easy to correct reports (centralized platform)  
Teachers can see the progression of the class, the difficulties and communicate with the students and help them if needed

### Lab presentation

**9** people, including **3** developers  
This project started **15** years ago  
Now used by several universities and always in development.



### Our team

CIRSTEA Paul (Developer)  
TONDEUX Emilie (Scrum Master)

SOULARD Alexandre (Project Leader)  
YUNG Kevin (Developer)

Project lead :  
Anthony Geourjon (Developer)

Cedric d'Ham (Developer)

## Problem

### Goal

The aim of this project is to implement new features in order to be able to do more on this platform and make it easier to use.

### Our work



- Implement new features:
  - Add some data analysis of the students' way of working on the platform to inform the teachers of the student's methodology
  - Add an evaluation grid so the teachers can mark the student's reports directly on the platform

Fix bugs :

- Render some components more responsive
- Add information where it is needed



### Technologies



Laravel is used when we need to retrieve datas in order to display it.

Php is used to display datas.

HTML and CSS are used to shape pages.

JS is used to manipulate datas.



## Results



Our project leaders gave us some work to do:

We created new features or fix some bugs in order to improve the existing project.

Used technologies depend on the functionality to implement.

For a time, we work alone on the task.

When the job is done, the team tests it and verify that we have done it well.

If it's not the case, we keep working on it until it is good enough to be put into production.



Finally, our work is accepted and we can start a new task.

There are always some bugs to chase or some new functionalities to implement.

The project in itself will never be ended.

As development and the production of the platform are almost simultaneous, the users can access the new functionalities in real time and give some feedback.

Then the great circle can start again.

