

# Moodle Analytics Investigation

PROPOSAL

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**Title:** Moodle Analytics Investigation

**Introduction:** The electronic learning system Moodle provides users with a way to track their learning, allowing them to have a clearer picture of their learning goals, milestones and achievements. This then begs the question, is this progress tracked anywhere? Is it possible to track whether or not users are using this information to enhance their learning, and if not is it having a negative impact on their overall learning and progress?

The project I am proposing would aim to provide a solution to this problem. The data required to provide an insight into the usage of the system is already there, stored in an LRS.

**Description:** In WIT, the current Moodle build already contains a plugin, called xAPI (commonly referred to as Tin Can API) which records and sends data about interactions with the system to an LRS. This means that the data is being recorded and stored, but not being acted upon currently.

In other words, this data is at the moment exactly that - just data, my proposal is to turn this data into *information*. Information that can be used to gauge how effectively the learning system is being used.

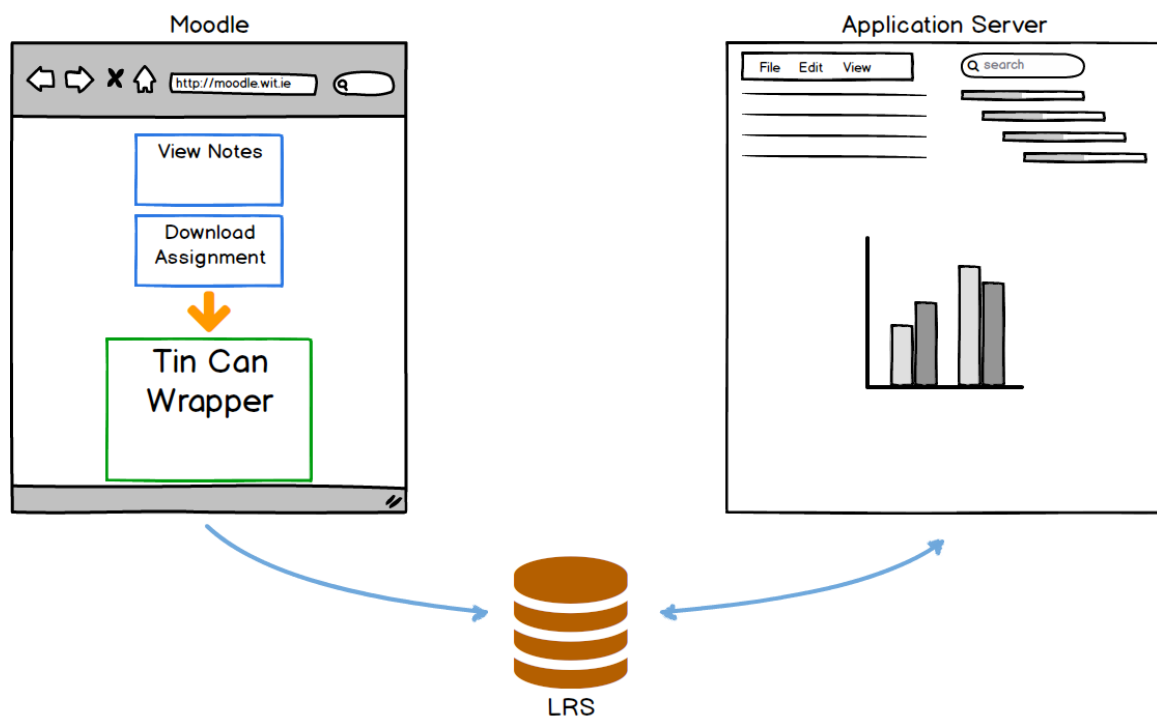


Figure 1: *Data to LRS and application reading from LRS*

**Technologies and Frameworks:**

- Some language
- Some framework
- Some testing framework

**Project Method:** Test Driven Development using Agile methodologies.