**Use Case: Evaluate Study Hour**

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| **Use case name:** Evaluate study Hours | |
| **Area:** All the Web pages | |
| **Actors:** Instructor and student | |
| **Description:** The time that the student spends using the VLA will be recorded by the system and sent to the instructor. Then the instructor will evaluate these hours and send a notification to the student if needed. | |
| **Stakeholder:** Students and instructors | |
| **Level:** Green | |
| **Triggering Event:** The student open the VLA | |
| **Trigger Type:**  **External Temporal** | |
| **Steps Performed** | **Information for Steps** |
| 1. The **student** logs into the **VLA** and *starts studying* | The student username and password |
| 1. **The server** *records* the time that the students spends studying using **stopwatch**. The time will start when the student *opens the VLA* and stopped when the *student closes it.* | The student’s study hours |
| 1. When the student closes the tab of the VLA, the **web server** *sends the time spent* and will added it to the **timeSpent table** in the **database.** |  |
| 1. Every Sunday, the system *generates* a **report** including **name and id of the student, name of the instructor, name of the course and number of hours that the student spent on each chapter** and *compare it* to the suggested number of hours for that chapter. | The calculations the system needs to do to generate the report |
| 1. The server saves the report to the database and send it as a **notification** to the instructor. |  |
| 1. The instructor *evaluates the report* of each student and *decide* whether he should *notify the student* or not. | The report generated by the system |
| 1. If the instructor sees that the student is behind schedule he can notify the Student using the LMS notification feature. | Student study hour recorded in the report |
| 1. The systems *creates a notification reminder* in the TimeSpent table in the database. The notification reminder contains the **deadline of the task**. | List of the students that the LMS should notify |
| 1. While the system is running, it *reads the data* from the timeSpent database every 1 minute. | Data from the timeSpent table |
| 1. If the notification time is now, the system *sends a notification* to the student by *calling the notification web service* in the LMS |  |
| **Preconditions:** The student is logged into the LMS and started using the VLA functionalities | |
| **Postconditions:** The study hour is recorded and the report is generated | |
| **Assumptions:**  The student is using the VLA to study | |
| **Success Guarantee:** The instructor receives a report on the study progress of each student and can notify the students that he wants. | |
| **Minimum Guarantee:** The study hours are recorded and a report is generated by the system | |
| **Objectives Met:** The instructor can spot the students behind schedule and notify them to keep them on track. | |
| **Outstanding Issues:** What happens when the student opens the VLA but left his device? | |