**Use Case: To-Do List**

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| **Use case name:** To-Do list | |
| **Area:** To-Do list Web page | |
| **Actors:** Student | |
| **Description:** The student puts the tasks that he wants to complete in a to-do list format | |
| **Stakeholder:** The students | |
| **Level:** Blue | |
| **Triggering Event:** The Student enters the to-do list web page and enters the tasks | |
| **Trigger Type:**  **External Temporal** | |
| **Steps Performed** | **Information for Steps** |
| 1. The **student** *enters the to-do list web page* | To-do list web page |
| 1. The student *starts to insert his* *task* in the to-do list | The student tasks |
| 1. For each **task** the student *specifies* the **content** and the **deadline** to their task | The tasks’ content and deadline |
| 1. The student *submits this task* and the task will *be send to the* ***VLA server*** to *be saved there*. |  |
| 1. The VLA *server saves this task* in the **database** saving the content and the date/time | The Task submitted by the student |
| 1. The systems *creates a notification reminder* in the Tasks table in the database. The **notification** reminder contains the deadline of the task. |  |
| 1. While the system is running, *it reads the data from the* Tasks database every 1 minute. | Data from the tasks database |
| 1. The system *reads the notification preferences* of the user and sends them to the database. | User notification Schedule |
| 1. The database then *saves the notification preference*. | User notification preference |
| 1. If the notification time of a task is now, the system *sends a notification to the student* by calling the notification web service in the LMS. |  |
| 1. When the student finishes a task, he will *mark it as completed* in the to-do list | The status of the task |
| 1. When the *student changes* **the status of the task** on the web page, the web *server changes its status in the database* to “complete” |  |
| **Preconditions:** The student has many tasks to accomplish | |
| **Postconditions:** the student sticks to the to-do list and accomplish the tasks | |
| **Assumptions:** the student is willing to stick to the to-do plan to study | |
| **Success Guarantee:** the student will be able to organize their tasks and accomplish them | |
| **Minimum Guarantee:** The student can put his tasks in the to-do list web page | |
| **Objectives Met:** The student is following his schedule and accomplishing his tasks in an organized manner | |
| **Outstanding Issues:** What happens if the student makes a to-do list but doesn’t do the tasks? | |