**Use Case Description Template**

**Adopted with some modifications:** [**https://www.projectmanagementdocs.com/**](https://www.projectmanagementdocs.com/)

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| **Name of Use Case:** | Lock Doors | | | |
| **Created By:** | SLS | | **Last Updated By:** | P. Nguyen |
| **Date Created:** | 2023-02-26 | | **Last Revision Date:** | 2023-03-01 |
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| **Description:** | | SLS home has a front door secure lock that unlocks with either a pin or key when entering the home, and automatically locks once closed. The user wants to also be able to lock and unlock the door with a control panel inside the home as well, which would make the secure lock not interactable for a time. | | |
| **Actors:** | | Senior user, door lock system, control panel | | |
| **Preconditions:** | | 1. The user has access to the control panel either by being at the panel physically or through a connected app. 2. The user gets past the panel’s security. | | |
| **Postconditions:** | | 1. The door is locked/unlocked remotely. 2. The open door detection system is disabled for a set time. | | |
| **Main Flow:** | | Diagram  Description automatically generated | | |
| **Alternative Flows:** | | 1. If the user does not press lock door button after unlocking, once the monitor status is turned on, open door detection kicks in and automatically locks the door.  2. If the user does not turn off monitor status before unlocking the door, once the door’s unlocked, it will automatically lock after 5 seconds or after it’s opened and closed. | | |
| **Non-Functional Requirements:** | | The following requirements must be met before execution of the use case   1. The door lock system is remotely controllable. | | |