**Use Case Description**

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of Use Case:** | Guest at Door | | | |
| **Created By:** | SLS | | **Last Updated By:** | Abidali Sarangwala |
| **Date Created:** | 3/10/2023 | | **Last Revision Date:** | 3/10/2023 |
|  | |  | | |
| **Description:** | | Somebody (Guest / anybody else) rings bell and wants to enter house or interact with senior inside house | | |
| **Actors:** | | Ring bell user (Guest), Camera, Door sensor, primary user(homeowner) | | |
| **Preconditions:** | | 1. Homeowners have access to camera feed on their primary or secondary device. 2. Guest outside has rung the bell. 3. The camera system is attached and working. 4. The lock and unlock system of door is working. | | |
| **Postconditions:** | | 1. The homeowner can decline or allow the door to unlock. 2. The homeowner can interact with guests outside with voice and camera. 3. There is no movement/ guest has left outside | | |
| **Main Flow:** | | 1. There is movement outside the house’s main door. 2. The camera system is awake and recording. 3. A guest rings the bell outside the door. 4. A chime on homeowners’ primary device with camera feed on the device 5. Homeowner interacts with voice to the guest. 6. Homeowners allows guest in by unlocking the door through primary device 7. Doors lock when closed | | |
| **Alternative Flows:** | | In step 6 the homeowner does not allow guests in.   1. The door stays locked. Extra locking mechanism can be activated if available. 2. The guests leave after interaction. 3. Camera detects no movement and stops recording. | | |
| **Exceptions:** | | Intruders trying to access door by force. An alert to primary users device and to 911 for help. | | |
| **Non-Functional Requirements:** | | Somebody must ring the bell. | | |