System Requirements: **Housekeeping**

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| UC Name | Notify staff when rooms require cleaning |
| Dependency | None |
| Actors | Housekeeping staff, Front-Desk Staff |
| Preconditions | None |
| Description of the Main Sequence | 1. System receives notification of room vacancy 2. System updates room status to “Requires Cleaning” 3. System notifies housekeeping staff about the room requiring cleaning 4. Housekeeping staff confirm receipt of notification |
| Description of Alternative Sequence | None |
| Non-Functional Requirements | Real-time notification delivery |
| Postconditions | Room status updated to “Requires Cleaning” |

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| UC Name | Promptly handle guests’ cleaning or repair requests |
| Dependency | None |
| Actors | Housekeeping Staff, Front-Desk Staff |
| Preconditions | Preconditions |
| Description of the Main Sequence | 1. Guest submits a cleaning or repair request through the system 2. System notifies housekeeping about the request 3. Housekeeping staff acknowledge receipt of the request 4. Housekeeping staff update the request status upon completion |
| Description of Alternative Sequence | None |
| Non-Functional Requirements | Timely response to requests; Secure handling to guests information |
| Postconditions | Request status updated upon completion |

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| UC Name | Communication between housekeeping and Front-Desk |
| Dependency | None |
| Actors | Housekeeping Staff, Front-Desk Staff |
| Preconditions | None |
| Description of the Main Sequence | 1. Housekeeping staff send room status updates to the front-desk staff 2. Front-desk staff receive and acknowledge receipt of updates 3. Front-desk may request additional information if needed 4. Housekeeping staff responds to any inquiries or requests raised by the front-desk staff |
| Description of Alternative Sequence | None |
| Non-Functional Requirements | Secure communication channels; Real-Time updates |
| Postconditions | Front -desk informed of status room updates |