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| *Version* | *Date* | *Author* | *Description of change* |
| 1 | 23/10/2022 | Ecker-Eckhofen | Create Use Case |
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| Header |

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| Use Case: | Admin: remote room control bevor entering |
| ID: | UC-01 |
| Description: | Unlock doors, turn lights on, open windows, turn fan on. |
| Actors: | Admin |
| Stakeholders and Interests: | Admin |
| Trigger | Logging in as Admin |

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| Pre-Conditions |

Closed doors, lights off, windows closed, fan off.

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| Post-Conditions |

Open doors, lights on, windows open, fan on.

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| Success end condition |

Open doors, lights on, windows open, fan on.

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| Failure end condition: |

Closed doors, lights off, windows closed, fan off.

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| Main Success Scenario: |

1. Admin opens the web application.

2. Welcome page is shown.

3. Admin logs into the web application with username and password.

4. Admin imports CSV data.

5. Rooms are visualized.

6. Admin selects room.  
7. Room structure and data is visualized.  
8. Admin uses button “open door 1”.  
9. “open door 1” button is now green displayed and door 1 is opened.

10. Admin uses button “lights 1 on”.

11. “lights 1 on” button is now green displayed and lights 1 are on.

12. Admin uses button “open window 1”.

13. “open window 1” button is now green displayed and window 1 is open.

14. Admin uses button “fan 1 on”.

15. “fan 1 on” button is now green displayed and fan 1 is on.

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| Alternative Flow and Exceptions: |

4a. Alternatively admin creates a room with id, size, available doors, windows, lights and fans.

4b. Alternatively admin updates room that already exists depending on the id, size, available doors, windows, lights or fans.

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| Non-Functional Requirements: |

**Performance:** Remote Control delay is at maximum 30 seconds. Web application should work on every browser.

**Security:** Only users that are registered at the database as admins get remote control functions.