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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: | User Use Case |
| ID: | UC-03 |
| Description: | Logging into the web application to download information about a room. |
| Actors: | User |
| Stakeholders and Interests: | User |
| Trigger | Logging in as a user. |

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| **Pre-Conditions** |

User has no information about the room’s temperature, co2 value and if doors are locked, windows closed, and if lights and fans are off. Room data is not downloaded.

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| Post-Conditions |

User has information about the room’s temperature, co2 value and if doors are locked, windows closed, and if lights and fans are off. Room data is downloaded.

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| Success end condition |

User has information about the room’s temperature, co2 value and if doors are locked, windows closed, and if lights and fans are off. Room data is downloaded.

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| Failure end condition: |

User has no information about the room’s temperature, co2 value and if doors are locked, windows closed, and if lights and fans are off. Room data is not downloaded.

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| Main Success Scenario: |

1. User opens the web application.

2. Welcome page is shown.

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

4. User imports CSV room data.

5. Rooms are visualized.

6. User selects room.  
7. Room data is visualized.

8. User selects button “download room”.  
9. Room structure and data is downloaded as CSV.

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| Alternative Flow and Exceptions: |

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

4b. Alternatively user 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 15 seconds. Web application should work on every browser.

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