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| *Version* | *Date* | *Author* | *Description of change* |
| 1 | 29/10/2022 | Abir Sikder | Create Use Case |
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| Header |

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| Use Case: | Unlock all doors if temperature > 70 degrees celsius |
| ID: | UC-017 |
| Description: | All doors will be unlocked if the temperature is above 70 degrees celsius. |
| Actors: | sensor (send temperature data) |
| Stakeholders and Interests: | - |
| Trigger | When the room temperature is above 70 degrees celsius. |

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| **Pre-Conditions** |

The room must be above 70 degrees celsius and the alarm must be sent off.

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| **Post-Conditions** |

All doors will be unlocked if the room temperature is above 70 degrees celsius.

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| **Success end condition** |

All doors will be unlocked if the room temperature is above 70 degrees celsius.

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| **Failure end condition:** |

Invalid data entry. (Cannot be interpreted)

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| **Main Success Scenario:** |

1. Sensor measures room temperature
2. Sensor sends data to database
3. If the room is > 70 degrees celsius an alarm will be sent to the UI
4. All doors will be unlocked.

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| **Alternative Flow and Exceptions:** |

4a. When the room temperature is below 70 degrees again, the status before alarm will be restored.

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| **Non-Functional Requirements:** |

**Performance**

The unlocking of the doors should not take longer than 2 seconds.

**User** **Interface**

The user will be notified if the doors are all unlocked.

The notification should be easy to read at the info window.