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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: | Send alarm if temperature > 70 degrees celsius |
| ID: | UC-016 |
| Description: | An alarm will be sent if the temperature is above 70 degrees celsius. |
| Actors: | sensor (send temperature data) |
| Stakeholders and Interests: | - |
| Trigger | When the temperature is above 70 degrees celsius. |

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| **Pre-Conditions** |

The room must be below 70 degrees celsius.

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| **Post-Conditions** |

An alarm will be sent if the temperature is above 70 degrees celsius.

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| **Success end condition** |

An alarm will be sent if the 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

3a. If the room is > 70 degrees celsius an alarm will be sent to the UI

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| **Alternative Flow and Exceptions:** |

3b. The alarm ends if the temperature is below 70 degrees celsius.

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| **Non-Functional Requirements:** |

**Performance**

The notification of the alarm should not take longer than 2 seconds.

**User** **Interface**

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