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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: | Turn off running devices if the room is empty. |
| ID: | UC-020 |
| Description: | For energy saving reasons, running devices will be turned off if the room is empty. |
| Actors: | sensor (sends data) |
| Stakeholders and Interests: |  |
| Trigger | If the room is empty running devices will be turned off. |

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| **Pre-Conditions** |

There should be running devices in the room.

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| **Post-Conditions** |

The running devices are turned off if the room is empty.

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| **Success end condition** |

The running devices are turned off if the room is empty.

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| **Failure end condition:** |

Invalid data entry. (Cannot be interpreted)

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| **Main Success Scenario:** |

1. Sensor sends data to database.
2. If the number of people in the room is 0, all the running devices will be turned off.

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| **Alternative Flow and Exceptions:** |

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| **Non-Functional Requirements:** |

**Performance**

The running devices should be turned off within 2 seconds.

**User** **Interface**

The user will be notified in the info box if the running devices are being turned off.

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