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| Version | Date | Author | Description of change |
|  | 29/10/2022 | Stefan Pilgerstorfer | Create Use Case |
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| Header |

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| Use Case: | Live update of visualizations for co2, temperature, and lights/ventilators/windows/doors status for each room. |
| ID: | UC-0010 |
| Description: | Live update of visualizations for co2, temperature, and lights/ventilators/windows/doors status for each room. |
| Actors: | Graphical User Interface |
| Stakeholders and Interests: | All Users of the Software want to see latest status of sensor-data in GUI |
| Trigger | Sensor data change or status change of door, windows, ventilator |

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| **Pre-Conditions** |

Latest sensor data is displayed per sensor and actual status of lights, doors, ventilators, windows is displayed.

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| **Post-Conditions** |

Data is updated based on new incoming sensor data and light/door/ventilator/window status

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| **Success end condition** |

Data is updated based on new incoming sensor data and light/door/ventilator/window status

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| **Failure end condition:** |

Invalid data entry (wrong sensor data, wrong status data) / data entry cannot be interpreted by software => Error Message displayed

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| **Main Success Scenario:** |

1. sensor writes new sensor data or door/windows/ventilator changes status

2. software observes data change

3. software changes GUI appearance or displayed data based on new sensor-data

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| **Alternative Flow and Exceptions:** |

3a. Invalid sensor data or invalid status is read by software

3b. Error Message is displayed

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| **Non-Functional Requirements:** |

User Interface must update displayed information based on new sensor data or door/windows/ventilator status change.