

| Use Case |  | Instruction of customers |                 |                                     |              | 6                                   |
|----------|--|--------------------------|-----------------|-------------------------------------|--------------|-------------------------------------|
| Context  | As soon as a customer wants to be instructed during recipe preparation, the system shall provide the customer with the ability to present an immersive, interactive guide in which the energy supply is automatically regulated to focus on the execution of the recipe. |                          |                 |                                     |              |                                     |
| Domain   | Cooking craftsmanship  | Business Value           | Personalization | <input type="checkbox"/>            | Acquisition  | <input checked="" type="checkbox"/> |
|          |  |                          | Communication   | <input checked="" type="checkbox"/> | Optimization | <input checked="" type="checkbox"/> |
|          |  |                          | Control         | <input checked="" type="checkbox"/> | Analysis     | <input type="checkbox"/>            |

| Description                         |   |  |
|-------------------------------------|---|--|
| <i>Stakeholders &amp; Interests</i> | <i>Stakeholder</i>  | <i>Interests</i>   |
|                                     | Kitchen staff   | Minor support for customers during the preparation   |
|                                     | Customer  | Guidance in the presentation of food;<br>guidance in preparation;<br>automatic control of the stove to focus on preparation;<br>consideration of customer-specific wishes;<br>immersion in guidance; |
|                                     | Manager   | Efficient guidance of customers at the buffet  |
| <i>Required Data</i>                | Weight of the pan/pot contents<br>Temperature of the pan/pot<br>Energy requirement<br>Digital recipe<br>Personal habits, preferences & wishes of the customer |  |
| <i>Current Conditions</i>           | Current conditions are not presented as an example.   |  |

| Procedure                 |  |   |
|---------------------------|--|---|
| <i>Trigger</i>            | Customer would like to be instructed in the preparation of a dish, stating their own wishes. |   |
| <i>Use Case Procedure</i> | <i>Step</i>  | <i>Activity</i>   |
|                           | 1. Recipe selection  | The customer selects the desired recipe and puts on augmented reality glasses.  |
|                           | 2. Preparation start   | The customer starts with the preparation.   |
|                           | 3. Preparation execution   | The ingredients to be prepared are illustrated step by step in an immersive way. The recipe is used to derive and apply the required temperature and preparation time parameters. |
|                           | 4. Preparation recording   | During preparation, the temperature, weight, and preparation time parameters are monitored and corrected as the weight is gradually reduced.                                      |
|                           | 5. Completion  | The cooking time has been reached. The energy supply is stopped immediately, and the stove is switched off.   |
| <i>Use Case Anomalies</i> | <i>Step</i>  | <i>Activity</i>   |

|                    |  |   |
|--------------------|--|---|
|                    | 5a.  | The customer lifts the pan/pot off the hob.<br>The energy supply is stopped immediately<br>and the stove is switched off. |
| <i>Final State</i> | The dish is ready and the stove is switched off. |   |

| Overlaps   |                  |                       |                 |                                     |              |                                     |
|--|------------------|-----------------------|-----------------|-------------------------------------|--------------|-------------------------------------|
| <i>Domain 2</i>  | Preparation      | <i>Business Value</i> | Personalization | <input type="checkbox"/>            | Acquisition  | <input checked="" type="checkbox"/> |
|  |                  |                       | Communication   | <input type="checkbox"/>            | Optimization | <input checked="" type="checkbox"/> |
|  |                  |                       | Control         | <input checked="" type="checkbox"/> | Analysis     | <input checked="" type="checkbox"/> |
| <i>Domain 3</i>  | Food & Nutrition | <i>Business Value</i> | Personalization | <input checked="" type="checkbox"/> | Acquisition  | <input type="checkbox"/>            |
|  |                  |                       | Communication   | <input checked="" type="checkbox"/> | Optimization | <input type="checkbox"/>            |
|  |                  |                       | Control         | <input type="checkbox"/>            | Analysis     | <input checked="" type="checkbox"/> |
| <i>Sum of Business Values total (incl. title domain, header)</i> |                  |                       | Personalization | 1                                   | Acquisition  | 2                                   |
|  |                  |                       | Communication   | 2                                   | Optimization | 2                                   |
|  |                  |                       | Control         | 2                                   | Analysis     | 2                                   |