Use Case	Recording and analysis of the	handling of	cooking utensils			16
Context	As soon as the kitchen staff starts preparing food using a cooking utensil with integrated sensors, the system shall record and visualize the forces applied to determine improvements to their working methods, environmental conditions, and food use.					s to
Domain	Cooking craftsmanship	Business Value	Personalization Communication Control	\boxtimes	Acquisition Optimization Analysis	

Description			
Stakeholders & Interests	Stakeholder	Interests	
	Kitchen staff	Gain insights into own way of working; optimize own way of working; experience no restrictions in the usual way of working	
	Manager	Recognition of the work performed and hand movements of kitchen staff; ability to draw conclusions about food and the kitchen environment; durable sensor technology	
Required Data	Compression force from 0 to 25 Newton Bending force from -6 to 6 Newton Torsional moment from -0.33 to 0.33 Newton meters Crushing force from 0 to 2.5 Newton Start & end of the execution of an action with a cooking utensil Time and date		
Current Conditions	Current conditions are not presented as an example.		

Procedure			
Trigger	The kitchen staff starts preparing a dish/ingredient and uses a cooking utensil with integrated sensor technology.		
Use Case Procedure	Step	Activity	
	1. Mark the start	The kitchen staff picks up the required cooking utensil and presses a button to mark the start of a sequence of activities.	
	2. Performing the activity	The kitchen staff carry out the activity (e.g. turning a fillet of beef) and the required forces are recorded.	
	3. Mark the end	The kitchen staff presses a button again to mark the end of a sequence of activities.	
	Assignment of activity steps based on data	The recorded force data is used to assign which step of the activity was carried out at which point.	
	5. Extraction of findings	The kitchen staff draws conclusions about the working methods, the environmental conditions and the food used.	
Use Case Anomalies	Step	Activity	

	No information provided.
Final State	The kitchen staff can conclude relevant improvements for their working methods, the environmental conditions, and the food used.

Overlaps						
Domain 2	Preparation	Business Value	Personalization Communication Control		Acquisition Optimization Analysis	
Sum of Business Values total (incl. title domain, header)		Personalization Communication Control	0 0 0	Acquisition Optimization Analysis	2 2 2	