Use Case	Recipe translation into executable functions

17

Context	As soon as the kitchen staff starts the preparation of a dish, the system shall configure the kitchen environment according to the natural language recipe descriptions and clearly display tasks to be performed manually.					
Domain	Preparation		Business Value	Personalization ☐ Communication ☐ Control ☒	Acquisition ☒ Optimization ☐ Analysis ☒	

Description	
Stakeholders & Interests	Stakeholder	Interests

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	Kitchen staff	Automatic configuration of kitchen appliances depending on the dish being prepared; reduction in workload
	Manager	Minimizing effort for kitchen staff; increasing productivity
Required Data	Digital recipes	
Current Conditions	Current conditions are not presented as an example.	

Procedure		
Trigger	The kitchen staff would like to prepare a dish.	
Use Case Procedure	Step	Activity
	1. Recipe selection	The kitchen staff selects the recipe to be prepared.
	2. Recipe interpretation	An ML algorithm analyzes the natural language and translates it into functions machines can execute.
	3. Result checking	The kitchen staff checks whether the classification is correct.
	4. Configuration of the kitchen environment	The kitchen environment is set up according to the functions that can be performed, or the kitchen staff are given an overview of the tasks still to be performed.
Use Case Anomalies	Step	Activity
	3a. Correction of the results	The kitchen staff assigned events to a cluster that could not be transferred.
Final State	The kitchen appliances are configured so the kitchen staff can start with the preparation.	

Overlaps						
Domain 2	Cooking craftsmanship	*Business Value*	Personalization ☐ Communication ☐ Control ☒		Acquisition ☒ Optimization ☐ Analysis ☒	
Domain 3	Kitchen environment	*Business Value*	Personalization ☐ Communication ☐ Control ☒		Acquisition ☐ Optimization ☐ Analysis ☐	
Sum of Business Values total (incl. title domain, header)			Personalization 0 Communication 0 Control 3		Acquisition 2 Optimization 0 Analysis 2	