Use Case	Recording and identification of food waste
	21

Context	As soon as pre-separated food waste is placed on the scales, the system shall provide the kitchen staff and manager with the ability to determine the amount of waste produced and the food in question so they can take appropriate measures to reduce food waste.

Domain	Food & Nutrition	Business Value	Personalization ☐ Acquisition ☒ Communication ☐ Optimization ☐ Control ☐ Analysis ☒

Description		
Stakeholders & Interests	Stakeholder	Interests
	Kitchen staff	Reduction of food waste; independent identification of wasted food; observe the history of wasted food; obtain options for action
	Manager	Reduce food waste; identify wasted food; observe the history of wasted food; obtain options for action
Required Data	Weight, type of waste, and date (incl. time stamp)	
Current Conditions	Current conditions are not presented as an example.	

Procedure		
Trigger	Kitchen staff places the pre-separated waste on the scales.	
Use Case Procedure	Step	Activity
	1. Determination of weight	The weight of the waste is determined.
	2. Identification of waste	The type of food is identified using ML.
	3. Information saving	The recorded information is stored in a database.
Use Case Anomalies	Step	Activity
	No information provided.	
Final State	The data collected can be analyzed and appropriate steps taken.	

Overlaps				
No overlaps with other domains.				
Sum of Business Values total (incl. title domain, header)	Personalization	0	Acquisition	1
	Communication	0	Optimization	0
	Control	0	Analysis	1