Use Case	Compliance with hygiene standards					
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Context	As soon as a violation of hygiene standards is recorded, the system shall provide the manager and authority with the ability to record and check on occurred violations.					
Domain	Kitchen environment		Business Value	Personalization ☐ Communication ☒ Control ☐	Acquisition ☒ Optimization ☒ Analysis ☒	

Description		
Stakeholders & Interests	*Stakeholder*	*Interests*
	Kitchen staff	Prevention of errors; Clean working environment; Safer working environment; Reduction of repetitive, manual tasks; Prevention of illnesses
	Authority	Check compliance with hygiene regulations in period
	Customer	Dining in a pleasant dining area; Hygienic preparation of food; Prevention of illnesses
	Manager	Provide high-quality food; Provide a pleasant dining area; Maintain hygiene; Maintain cleanliness; Reduce errors; Avoid errors; Reduce employee workload; Avoid illnesses
Required Data	Camera, images of hygiene violations	
Current Conditions	Attempts are made to comply with hygiene regulations through manual processes and paper-based documentation. Employees receive appropriate training. These circumstances make compliance laborious and error-prone.	

Procedure		
Trigger	A picture of the kitchen environment is taken.	
Use Case Procedure	*Step*	*Activity*
	1. Image processing	The image is processed.
	2. Detection of objects	An object can be seen in the image.
	3. Detection of violations	The image shows a violation of the hygiene regulations.
	4. Violation documentation	The identified violation is recorded in a database as an image with the date and time stamp.
	5. Inspection by management or authority	The management or the authorities use an application to check which violations have occurred.
Use Case Anomalies	*Step*	*Activity*

	2a. No objects detected	Executing the trigger again: A new image of the kitchen environment is taken.
	3a. No violations detected	Executing the trigger again: A new image of the kitchen environment is taken.
Final State	Appropriate measures/consequences can be taken based on the documented violations.	

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