Burglar alarm operation

Field	UC8	UC9	UC10	UC11	UC12	UC13	UC14
Actors	1.card readers 2.console	1.card readers 2.console	None	1.Window sensors 2.Floor sensors 3.Door sensors 4.Panic alarm buttons	1.Panic alarm buttons 2.Floor sensor 3.Window sensors 4.Door sensors	1.Flashing lights 2.Burglar alarm speaker 3.Policeman	1.card readers 2.console
Name	Open system	Close system	Trigger when the system is on	Trigger when the system is off	The sensor is triggered	flashing lights, warning sound and call the ...	To de-activate the alarm
Description	The burglar alarm is activated at specific times. On and off activation times can be added for each day of the week, Monday to Sunday. There is also the option to put the system into the activated state for a fixed number of days, this is to allow for holidays where the alarm will be active all the time (24 hours a day)	User shutdown system	The anti-theft alarm system is activated because the door sensor, window sensor, floor sensor are triggered or the panic button is artificially pressed	1.Pressing the panic button artificially alarms the system even though it's not activated 2.Any sensor can be set to be permanently on, and these sensors trigger an alarm even though the system is not activated	Trigger window sensor, floor sensor, door sensor or press Panic alarm buttons	The system controls the light flashing,warning sound and call the policeman when the alarm is triggered	1.Employees can disalert by swiping their cards 2.The operator enters the alarm code to reset the alarm system
Pre-conditions	The card reader is available and the console is available	The card reader is available and the console is available	1. The system is activated 2. The door sensor works 3. The window sensor works 4. Floor sensor works 5. Alarm button works	1. The system is not activated 2. The door sensor works 3. The window sensor works 4. Floor sensor works 5. Alarm button works	Panic alarm buttons button,floor sensor,window sensors and door sensors works	Flashing lights,warning sound works	The card reader is available and the console is available
Event flow	1. The user swipes the card using the card reader 2. The user enters the password through the console	1. The user swipes the card using the card reader 2. The user enters the password through the console	1.The user activates the system by inserting the card and entering the matching security password 2.The anti-theft alarm system is activated because the door sensor, window sensor, floor sensor are triggered or the panic button is artifically pressed 3.System enter the UC16, UC17,UC18 and ...	1. The system is not activated 2. Pressing the panic button artificially alarms the system 3.Permanently on sensors are triggered 4.System enter the UC16, UC17 ,UC18 and UC19	The sensor is triggered due to the external environment	1.The alarm is activated 2.Flashing lights, warning sound and call the policeman	1.Employees can open doors controlled by sensors that are permanently open by swiping a card that deactivates the alarm for a short period of time 2.When an unauthorized person enters the designated entrance of the building, the system starts a countdown, and if the system is not disabled by the end of the countdown, an alarm is triggered 3.Entering a code in the alarm console and presenting a valid card can disarm or police the alarm, and the alarm ...
Post-condition	User successfully access the guard against theft system, user can set up the system.	1.The user successfully shut down the system 2.deactivate the alarm.	The burglar alarm is triggered, a warning sound and flashing lights are activated also the police are sent a message	The burglar alarm is triggered, a warning sound and flashing lights are activated also the police are sent a message	1.An alarm is triggered. 2.System enter the UC13 or UC14	flashing lights, warning sound and call the policeman	1. The alarm system is disabled 2. The alarm system is reset
Includes	None	None	UC12	UC12	None	None	None
Extensions	UC10	UC11	UC13 UC14	UC13 UC14	None	None	None
Triggers	User enterd the anti-theft system password that matched the card	User enterd the password that matched the card	1.If a door is opened (detected via door sensor) and the system is active 2.If a window (detected via window sensor) is opened and the system is active 3.If floor sensor is detected and the system is active 4.If a panic button is pressed and the system is active	1.panic button is pressed and the system is inactive 2.Any sensor (door, floor or window sensor) can be designated as always on. These sensors will trigger the alarm immediately even if the system is not active.	1.Doors were opened Windows 2.were thrown open 3.The floor was stomped on 4.The panic alarm was set artificially	The security system is activated	1.The staff swiped the card 2.The operator enters the alarm code