General operation

ID	UC1		ID	UC2		ID	UC3
Actors	1.card readers 2.console		**Actors**	None		**Actors**	console speaker
Name	access the system		**Name**	enter successfully		**Name**	locked out and tamper alarm sounds
Description	Any user of the system must access the system with both a swipe card and access code		**Description**	Each card has its own access codes configured. There are two access codes per card, one for fire and one for burglary protection operation. When accessing the		**Description**	The user enters their code wrong 3 times, they are locked out, a tamper alarm sounds (from the console speaker) and their card is disabled
Pre-conditions	The card reader is available and the console is available		**Pre-conditions**	The card reader is available and the console is available		**Pre-conditions**	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		**Event flow**	1. Users swipe card 2. Enter the fire alarm password or theft alarm password that matches the card 3. Enter the fire alarm code that matches the card to enter the fire alarm system.		**Event flow**	1.User swip card 2.The user enters their code wrong 3 times 3.They are locked out, a tamper alarm sounds (from the console speaker) and their card is disabled.
Post-condition	After the user swipes the card and enters the password, either the login is successfully entered to UC2, or the login fails to enter UC3		**Post-condition**	User successfully access the fire alarm system, user can set up the system.		**Post-condition**	They are locked out, a tamper alarm sounds (from the console speaker) and their card is disabled.
Includes	1.UC2 2.UC3		**Includes**	None		**Includes**	None
Extensions	None		**Extensions**	None		**Extensions**	None
Triggers	The user swipes the card and enters the fire-alarm system password		**Triggers**	User enterd fire-alarm system the password that matched the card		**Triggers**	User swip card and enters their code wrong 3 times