



Use Case UC-2:	Lock
Related Requirements:	REQ1, REQ2, and REQ6
Initiating Actor:	Tenant
Actor's Goal:	To lock the door
Participating Actors:	LockDevice, Household Devices,Database
Preconditions:	The system is always available.
Postconditions:	The door is closed.
Flow of Events for Main Success Scenario:	
→	1. link bluetooth,unlock door
←	2. enter home
Flow of Events for Extensions (Alternate Scenarios):	

Use Case UC-4:	RetireUser
Related Requirements:	REQ3, REQ7,
Initiating Actor:	Landlord
Actor's Goal:	Retire an existing user account and disable access.
Participating Actors:	Database
Preconditions:	The system always displays the menu of available functions.
Postconditions:	None
Flow of Events for Main Success Scenario:	
→	1. Landlord chooses to remove user
←	2. System prompt 'Please connect Bluetooth'
→	3. Certification successful
Flow of Events for Extensions (Alternate Scenarios):	
→	1. Landlord has not been operating
←	2. exit

Test-case Identifier: TC-1	
Use Case Tested: UC-1, main success scenario, and UC-7	
Pass/fail Criteria: Test passes when the system did not provide valid authentication information through Bluetooth connection.	
Input Data: Information provided by Bluetooth connection	
Test Procedure:	Expected Result:
Step 1. bluetooth connection using an unauthenticated device	System display failed
Step 2. bluetooth connection using an authenticated device	System display successful

Test-case Identifier: TC-4	
Use Case Tested: UC-4, main success scenario, and UC-7	
Pass/fail Criteria: Test passes when retired user failed authentication	
Input Data: Landlord's authenticated information	
Test Procedure:	Expected Result:
Step 1. user_test unlocks the door	unlock the door
Step 2. Landlord retires user_test	remove successfully
Step 3.user_test unlocks the door	fail to unlock the door