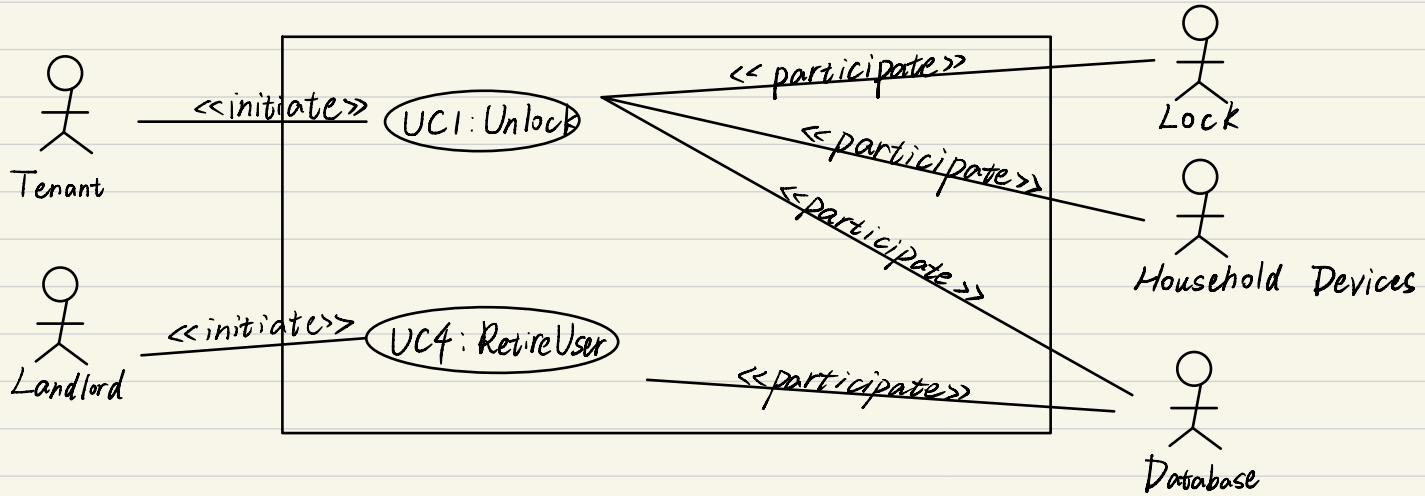


① Draw use case diagram for UC-1 (Unlock) and UC-4 (RetireUser)



② Write the user case schemas of UC-1 and UC-4

Use Case UC-#:	UC-1 : Unlock
Related Requirements:	REQ-1, REQ-2, REQ-6
Initiating Actor:	Tenant
Actor's Goal:	Unlock and enter home
Participating Actors:	Lock, Household Devices, Database
Preconditions:	locked
Postconditions:	the door is locked, and initiator unlock and enter home
Flow of Events for Main Success Scenario:	

- ① unlock the door
- ② enter home

Flow of Events for Extensions (Alternate Scenarios):
What could go wrong? List the exceptions to the routine and describe how they are handled

- ① the lock is broken.

The arrows on the left indicate the direction of interaction. ✓ Actor's action; □ System's reaction

Use Case UC-#:	UC-4 : RetireUser
Related Requirements:	REQ-7
Initiating Actor:	Landlord
Actor's Goal:	Retire an existing user account and disable access
Participating Actors:	Database
Preconditions:	
Postconditions:	initiator enter the database, retire an existing user account and disable access
Flow of Events for Main Success Scenario:	

- ① retire an existing user account
- ② disable access

Flow of Events for Extensions (Alternate Scenarios):
What could go wrong? List the exceptions to the routine and describe how they are handled

- ① power outage
- ② network failure

The arrows on the left indicate the direction of interaction. ✓ Actor's action; □ System's reaction

③ Write the acceptance tests for UC-1 and UC-4

Test-case Identifier: TC-1

Use Case Tested: UC-1, main success scenario

Pass/fail Criteria: If Tenant initiate, the lock will be unlocked.
The test passes

Input Data: An initiation

Test Procedure:

Tenant rise an
initiation

Expected Result:

the lock will be unlocked

Test-case Identifier: TC-2

Use Case Tested: UC-4, main success scenario

Pass/fail Criteria: The test passes if the user retire an existing user and disable access

Input Data: user ID

Test Procedure:

① Type in an correct
userID

Expected Result:

① the relevant user is retired