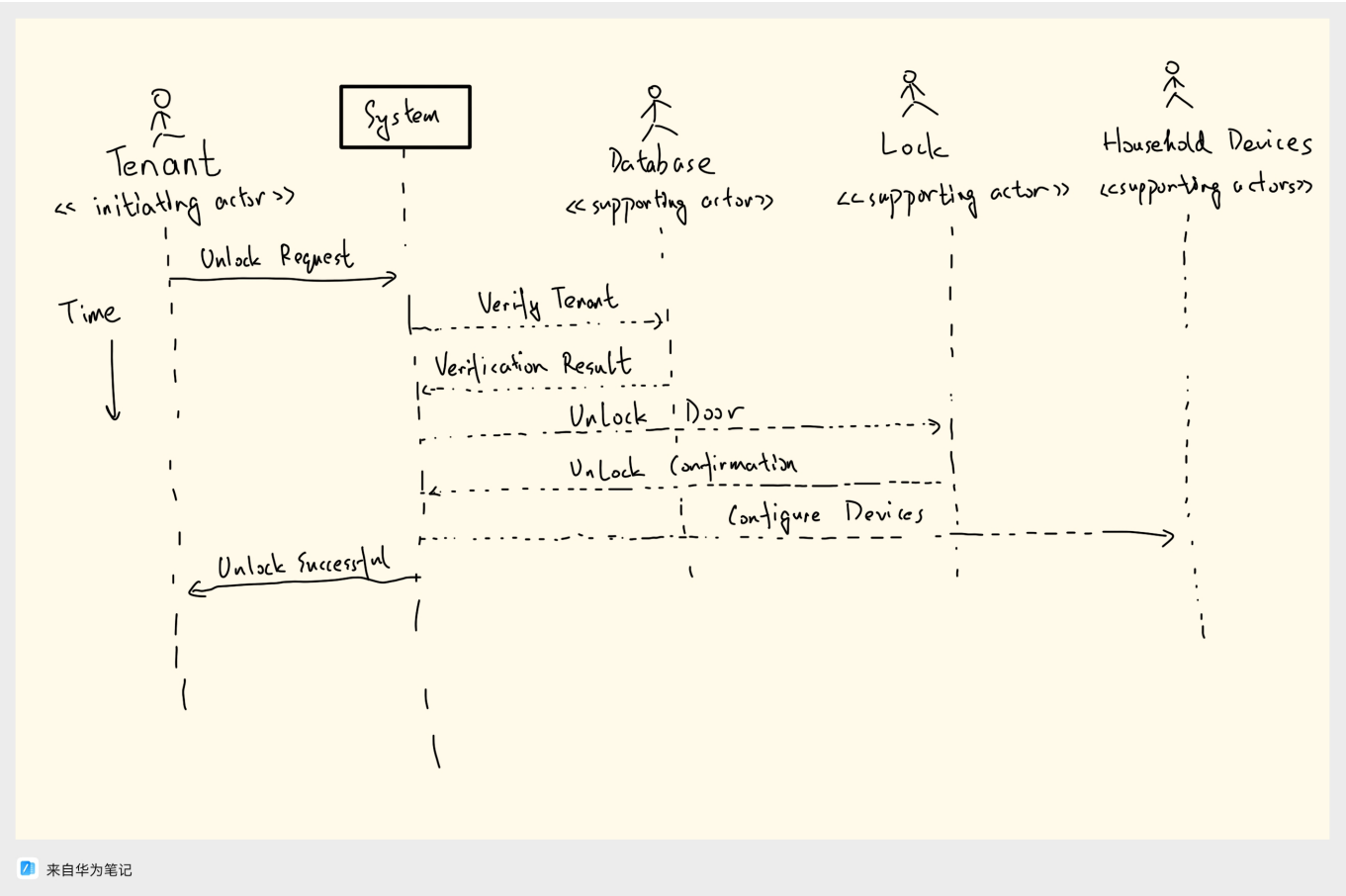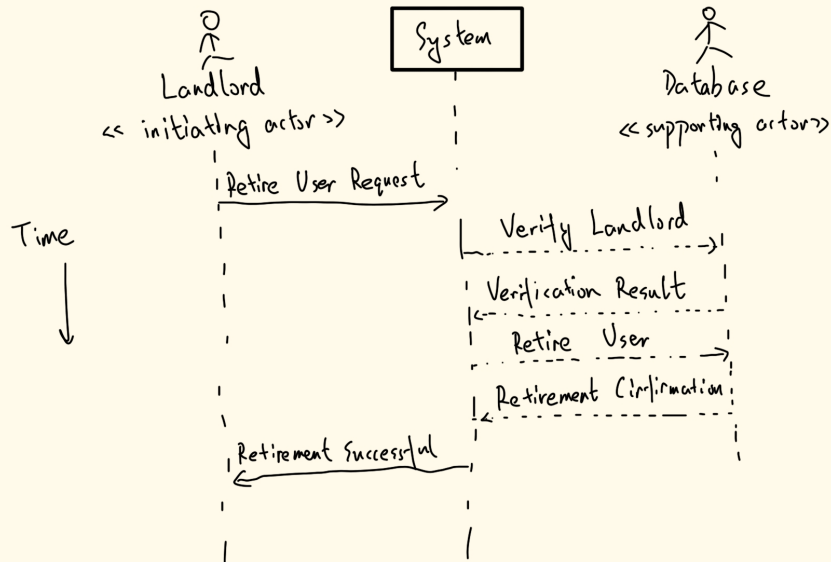# Course Assignment (Mini Project I-2)

Draw system sequence diagram for UC-1 (Unlock) and UC-4 (RetireUser)

System sequence diagram for UC-1 (Unlock)
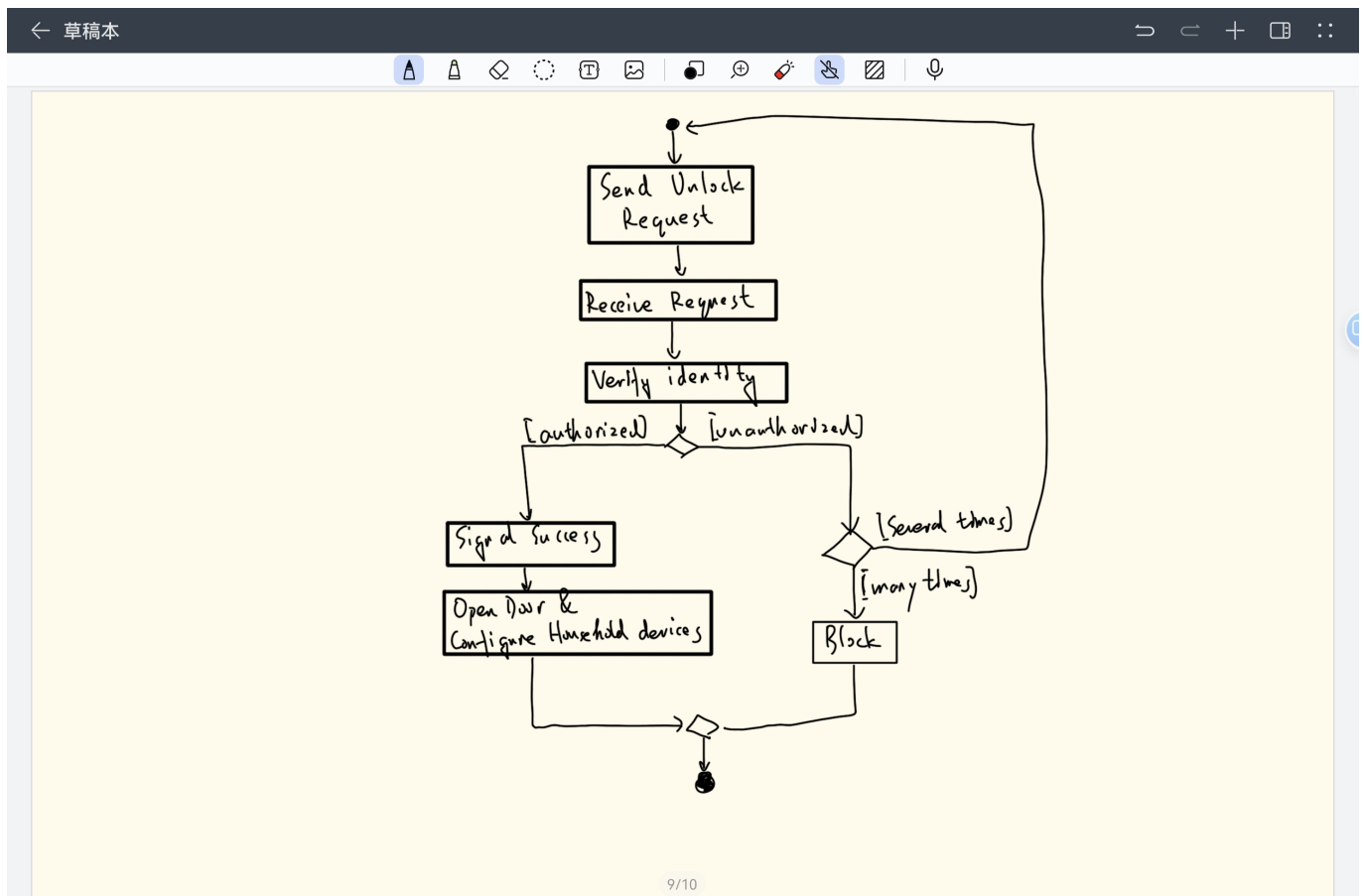

来自华为笔记

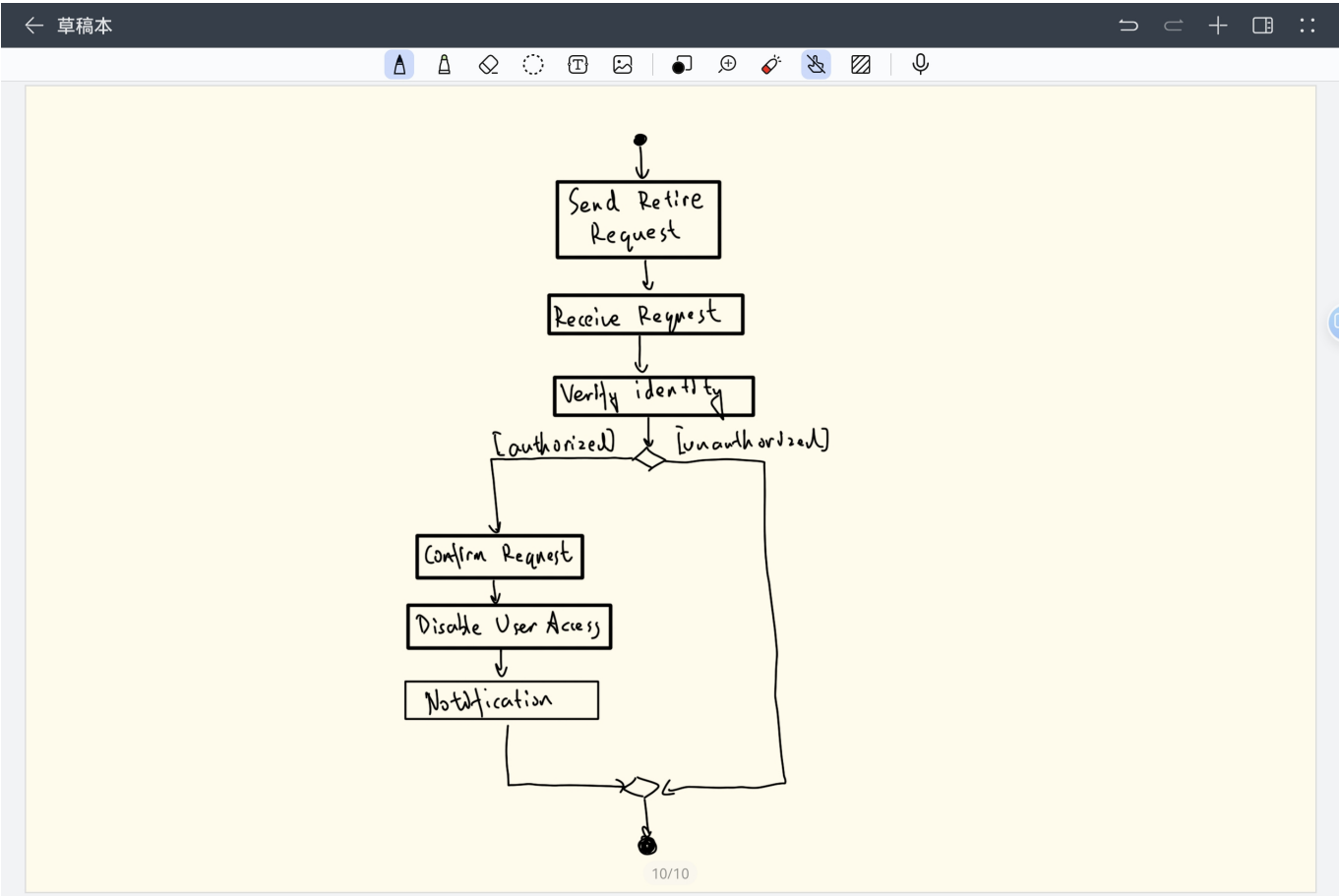System sequence diagram for UC-4 (RetireUser)

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

Activity diagram for UC-1 (Unlock)

Activity diagram for UC-4 (RetireUser)

Domain model for UC-4 (RetireUser): CRC分析(ref. Lec-6, P23/24/26)

Extracting the Responsibilities

Responsibility	Description	Type	Concept Name
Rs1.	Coordinate actions of concepts associated with this use case...	D	Controller
Rs2.	Identify the user account to be retired.	K	User Identifier
Rs3.	Invalidate or remove the user account from the active users' list...	D	Account Retirer
Rs4.	Notify the Tenant that the user account has been retired successfully.	D	Notifier
Rs5.	Ensure that the retired user cannot access the home anymore.	D	Access Validator
Rs6.	Update the history of home accesses reflecting the user retirement action.	D	History Updater

Extracting the Associations

Concept Pair	Association Description	Association Name
Controller « User Identifier	Controller receives the user details...	receives details
Controller « Account Retirer	Controller instructs Account Retirer...	instructs
Account Retirer « Access Validator	Ensures that the retired account...	validates access
Controller « Notifier	Controller instructs Notifier to notify Tenant	instructs notification
Controller « History Updater	Controller instructs to update the access...	updates history

Extracting the Attributes

Concept	Attributes	Attribute Description
User Identifier	userID	Unique Identifier for each user.
Account Retirer	retirementStatus	Indicates whether the account...
Notifier	notificationMessage	Message content that will be sent to the Tenant
Access Validator	validationStatus	Indicates whether the retirement...
History Updater	updateStatus	Indicates whether the history...

Domain model diagram for UC-4 (RetireUser):

Alt text