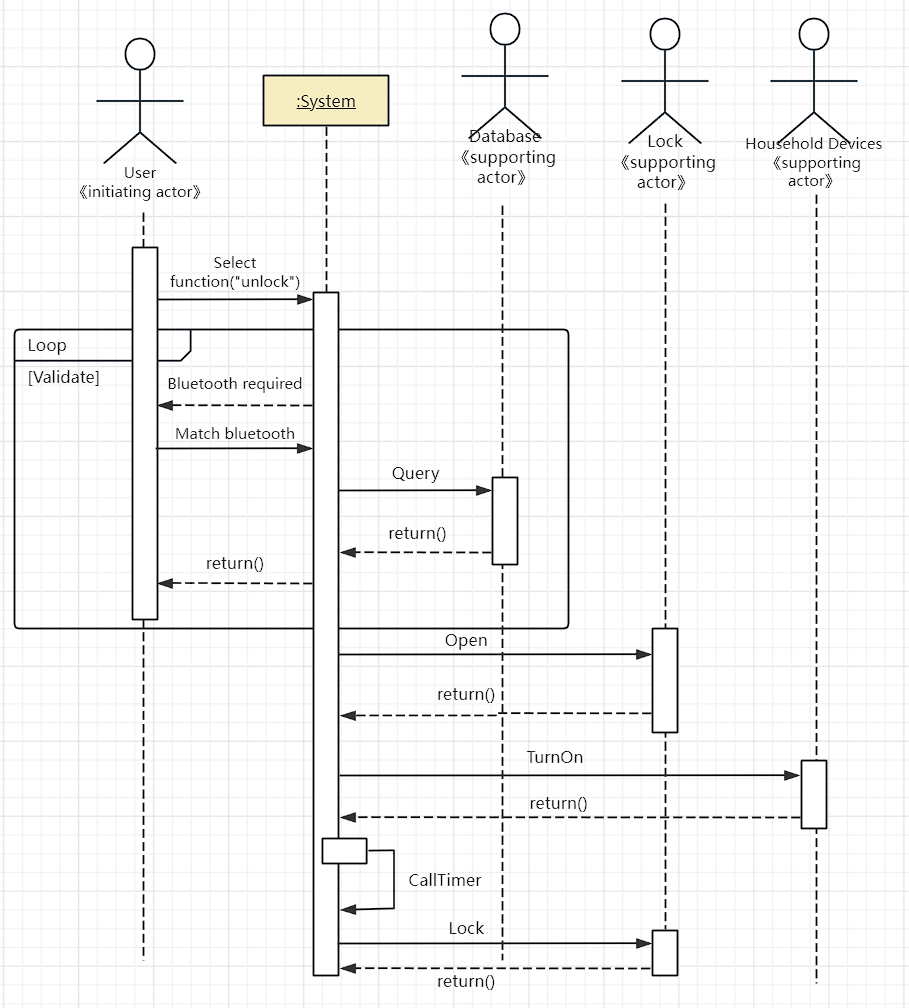
**Course Assignment (Mini Project I-2)**

█ 谭诚 10215101460

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

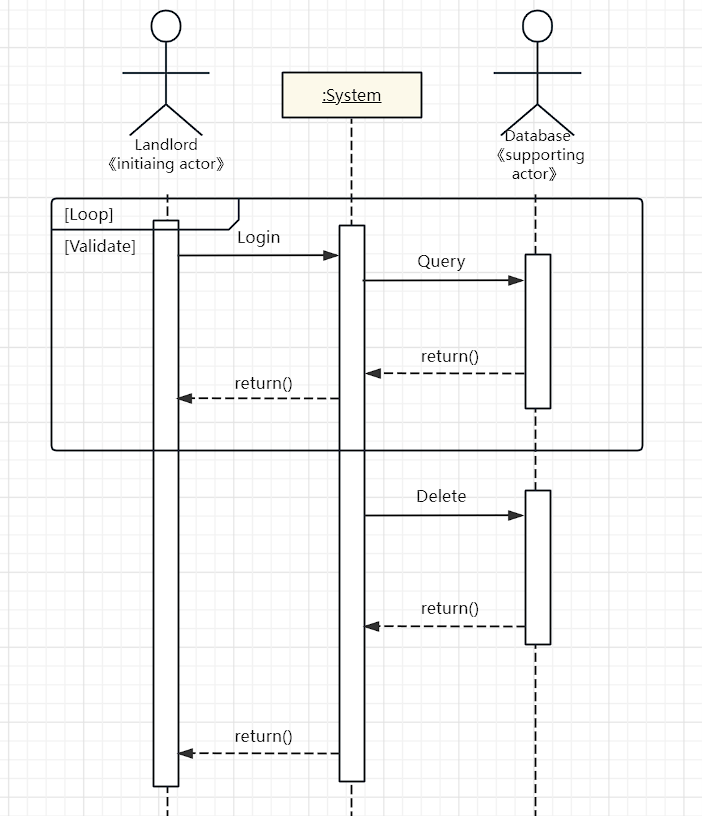
**Sequence diagram for UC-1(Unlock)：**



**Sequence diagram for UC-4(RetireUser)：**

*See it in the next page.*

**Sequence diagram for UC-4(RetireUser)：**



Input

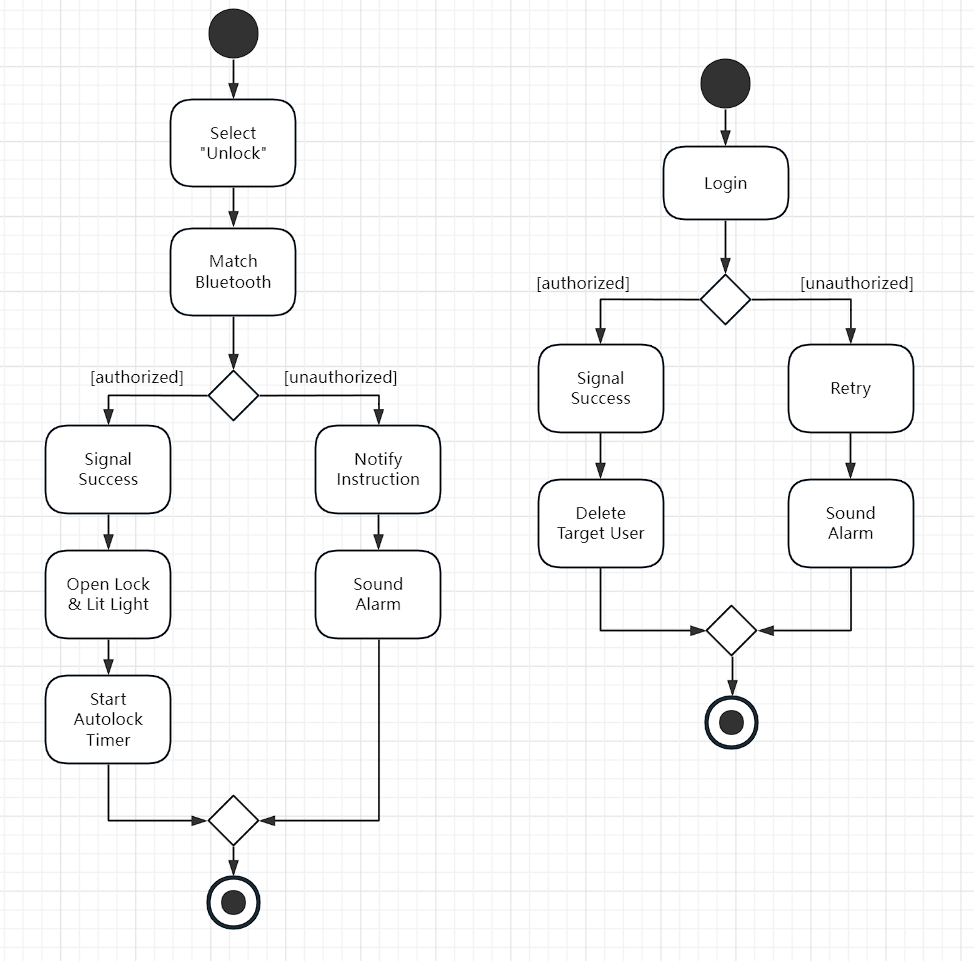
1. Draw activity diagram for UC-1(Unlock) and UC-4(RetireUser)

**Activity diagram for UC-1(Unlock)：**

*See it in the next page.*

**Activity diagram for UC-4(RetireUser)：**

*See it in the next page.*



1. Domain model for UC-4(RetireUser): CRC分析

**Extracting the Responsibilities**

|  |  |  |
| --- | --- | --- |
| Responsibility Description | Type | Concept Name |
| Rs1. Coordinate actions of concepts associated with this use case and delegate the work to other concepts. | D | Controller |
| Rs2. Form specifying the delete parameters for database log retrieval (from UC-4). | K | Delete Request |
| Rs3. Render the operation panel and retrieved records into an UI for sending to actor’s screen for display. | D | PageMaker |
| Rs.4 A UI to show the actor the current context, which contains current tenants and all operations. | K | UserPage |
| Rs.5 Support SQL service to the system, e.g., JDBC driver. | D | DB-Connection |
| Rs.6 An object generated by system to be deleted. | K | TargetUser |

**Extracting the Associations**

*See it in next page.*

**Extracting the Associations**

|  |  |  |
| --- | --- | --- |
| Concept Pair | Association Description | Association Name |
| Controller Page Maker | Controller passes requests to PageMaker and receives back pages prepared for displaying | conveys requests |
| PageMaker DB-Connection | Database Connection passes the retrieved data to Page Maker to render them for display | provides data |
| PageMaker UserPage | PageMaker prepares the UI to Userpage | prepares |
| Controller DB-Connection | Controller passes delete requests to DB-Conn. | conveys requests |
| Controller TargetUser | Controller generates the targeted user entity object, as the Java DAO item. | generates |
| TargetUser DB-Connection | TargetUser acquires SQL methods in the mapper layer, which needs DB-Connection to operate. | TargetUser |

**Domain model for UC-4(RetireUser)**

