1. Use Cases and Use Cases Diagram

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Use Case Name: User Login
Actor: Leasing Office Staff
Description: Users log in to the application using their username and password

Use Case Name: Add to Pending Pickup List
Actor: Staff
Description: Staff can search for resident listed on the package then select the correct Postal Delivery service, and add it to pending pickup list.

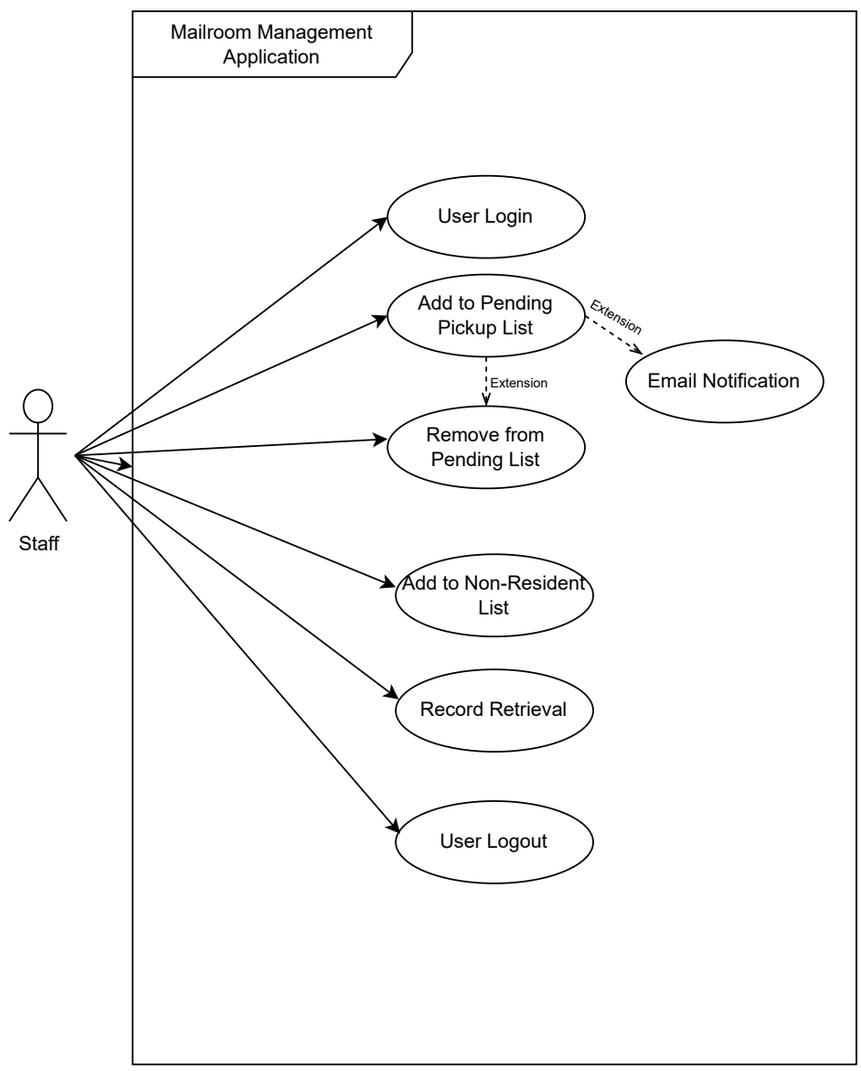
Use Case Name: Send Email Notification
Actors: Staff
Description: Once package moved to pending it will automatically send an email to the resident announcing they have a package for pickup.

Use Case Name: Remove from Pending List
Actor: Staff
Description: Once resident picks up package the record should be moved to Completed Pickup List

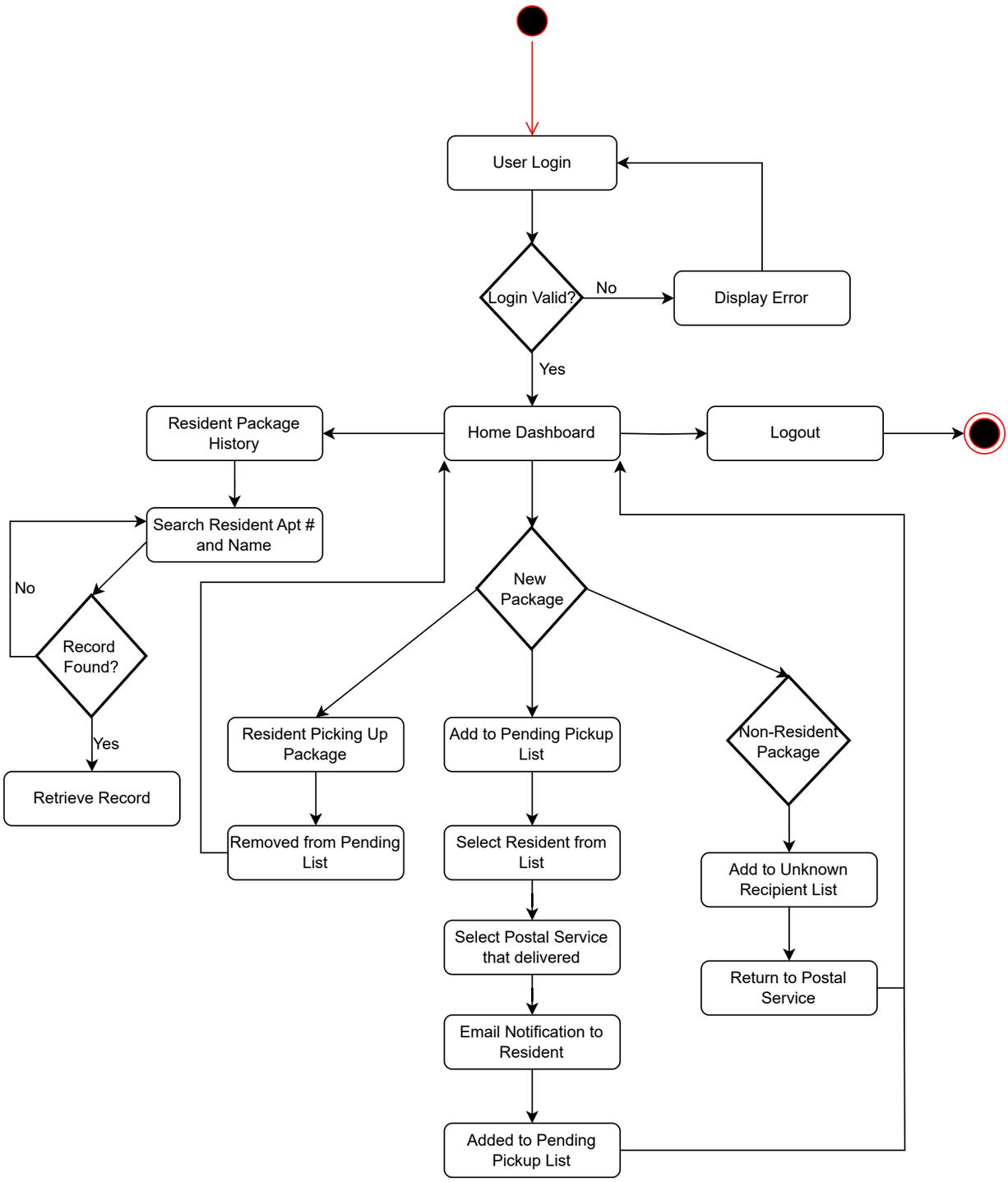
Use Case Name: Add to non-resident list
Actor: Staff
Description: For packages that are delivered to non-residents staff can put it in this list to be returned to delivery service.

Use Case Name: Record retrieval
Actors: Staff
Description: Staff can retrieve a resident's package history by searching their apartment number and name.

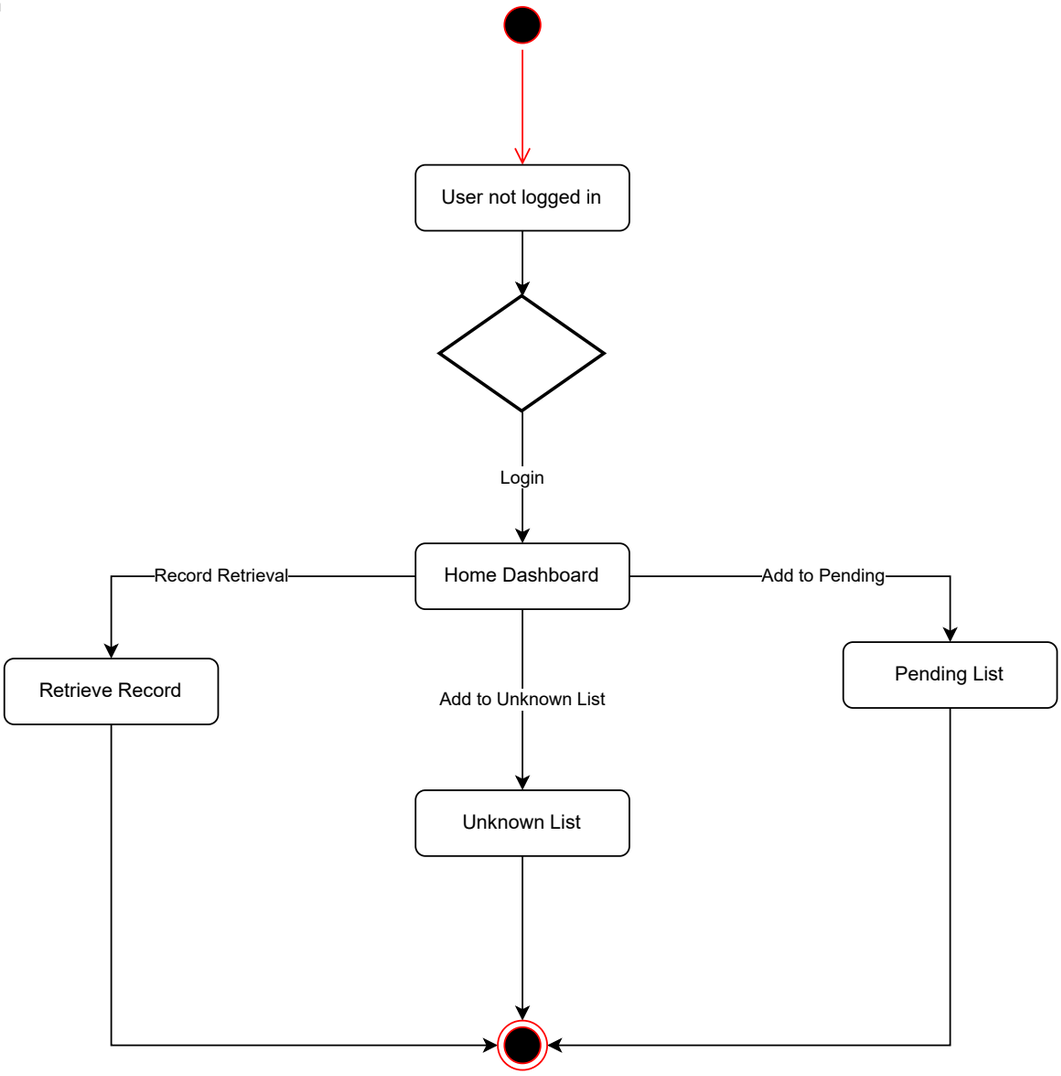
Use Case Name: User Logout
Actors: Staff
Description: Staff logs out of system



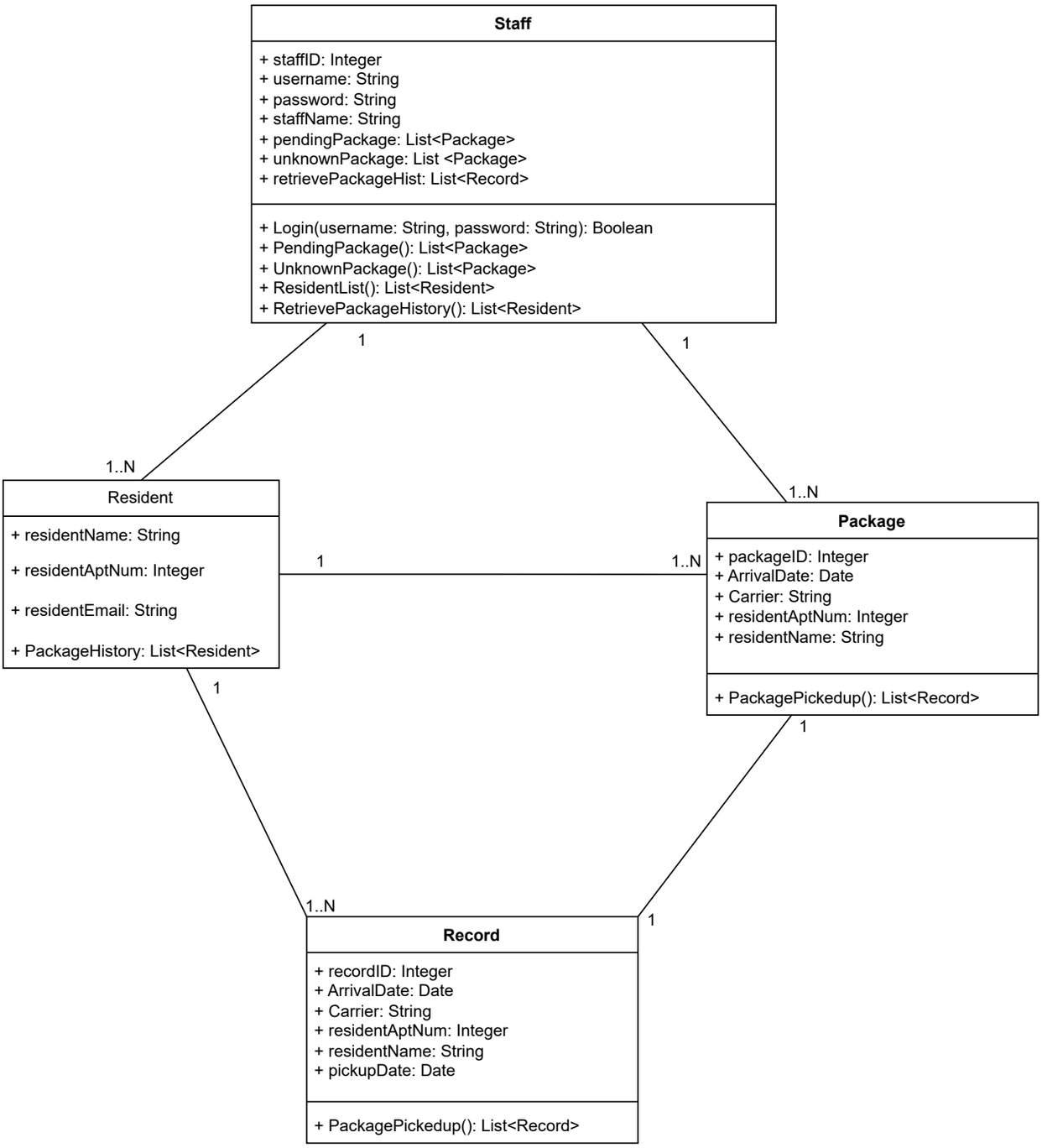
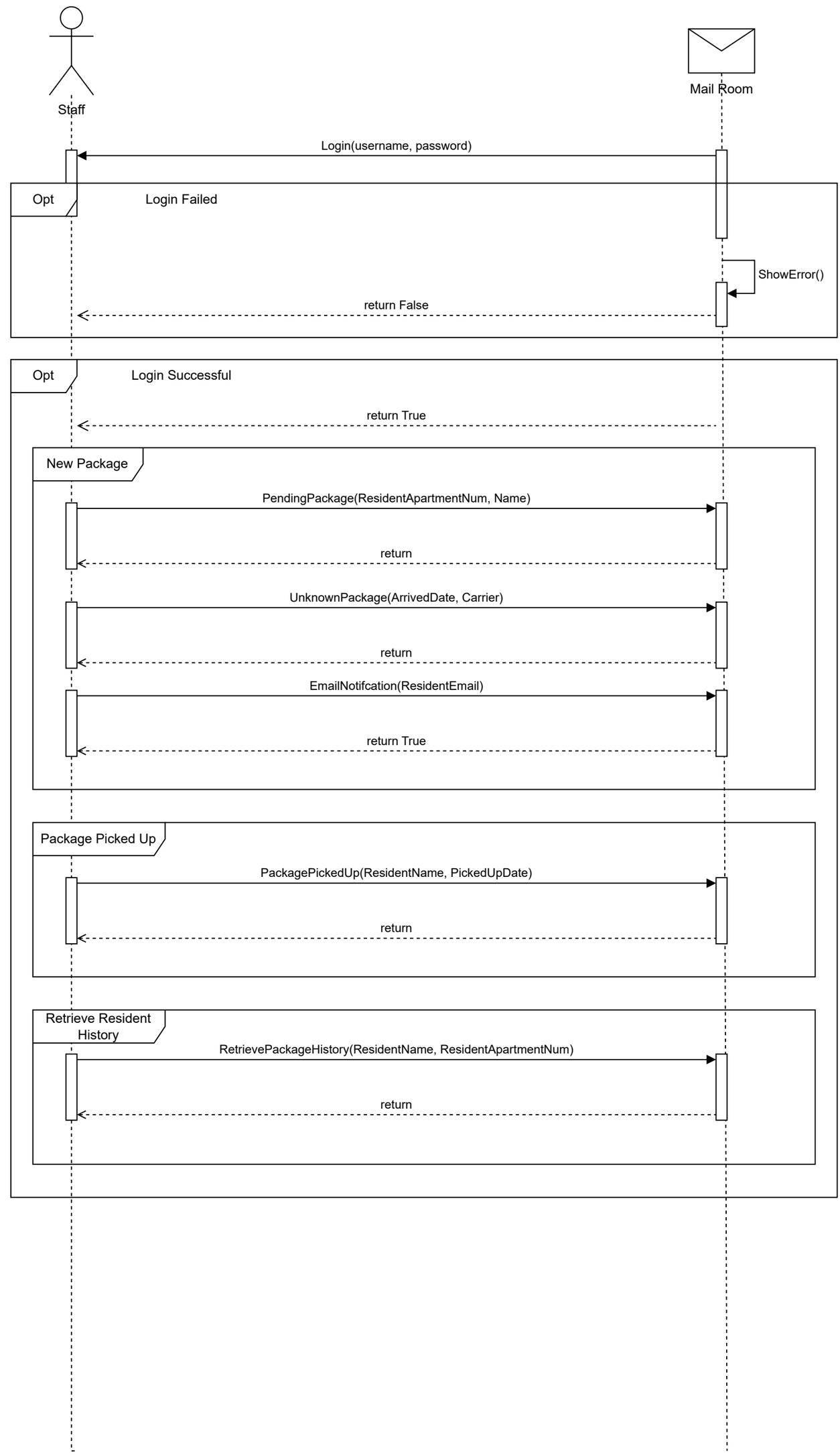
Activity Diagram



State Diagram



Class Diagram



Sequence Diagram