

# **Functional Requirements**

1. The system shall allow applicants to register and log in using secure authentication.
2. The system shall allow applicants to submit license applications.
3. The system shall allow applicants to upload and manage required documents.
4. The system shall allow applicants to make online application and renewal payments.
5. The system shall allow applicants to track application status and receive notifications.
6. The system shall allow field officers to schedule and conduct inspections.
7. The system shall allow field officers to record inspection observations and generate inspection reports.
8. The system shall allow field officers to request clarification or document re-submission from applicants.
9. The system shall allow field officers to forward applications with recommendations.
11. The system shall allow department officers to review verified applications and inspection reports.
12. The system shall allow department officers to approve or reject license applications.
13. The system shall allow department officers to digitally sign and issue approved licenses.
14. The system shall allow department officers to monitor compliance and take license control actions.
15. The system shall allow department officers to update license status and notify applicants.
16. The system shall allow field officers to verify submitted documents.

# **Non-Functional Requirements**

## **Performance**

- The system shall respond quickly to user actions.
- The system shall support multiple users at the same time.

- The system shall process applications efficiently.

## **Security**

- The system shall require user login before accessing services.
- The system shall protect user data from unauthorized access.
- The system shall securely process online payments and documents.
- The system shall restrict access based on user roles (applicant, officer, field officer).
- The system shall record important system activities for security purposes.

## **Availability**

- The system shall be available during normal working hours.
- The system shall be unavailable only during scheduled maintenance.

## **Reliability**

- The system shall maintain accurate data at all times.
- The system shall reliably process payments and approvals.
- The system shall prevent data loss.

## **Usability**

- The system shall be easy to understand and use.
- The system shall display clear error messages.
- The system shall have a simple and consistent interface.

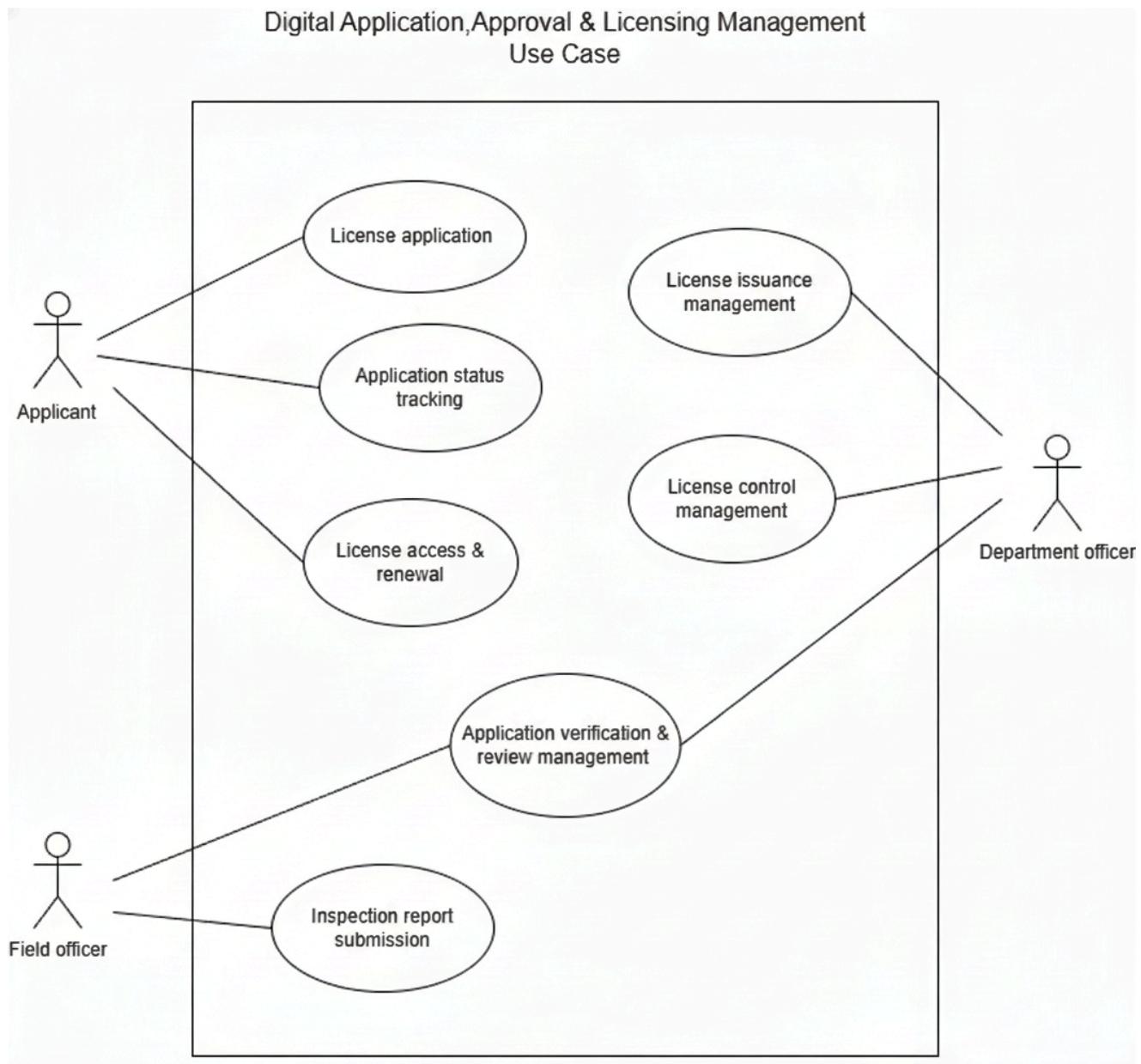
## **Time Constraint (Field Officer)**

- The system shall allow one week for application verification.
- The system shall automatically track verification time.
- The system shall notify if verification is delayed.

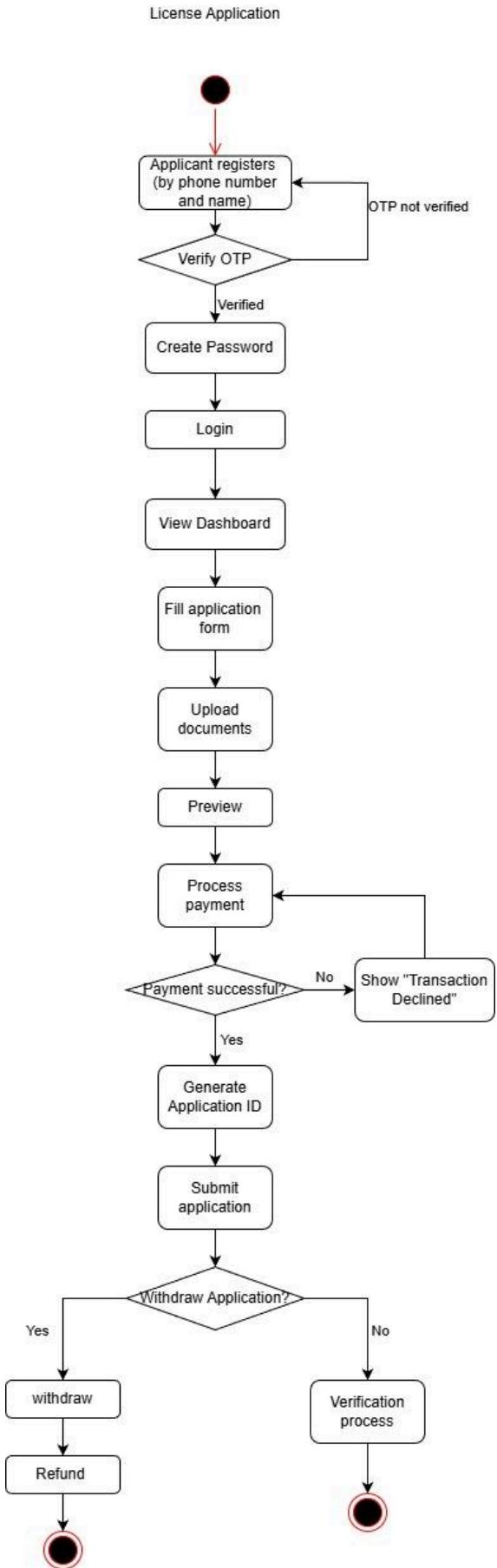
- The system shall record delayed actions for monitoring.

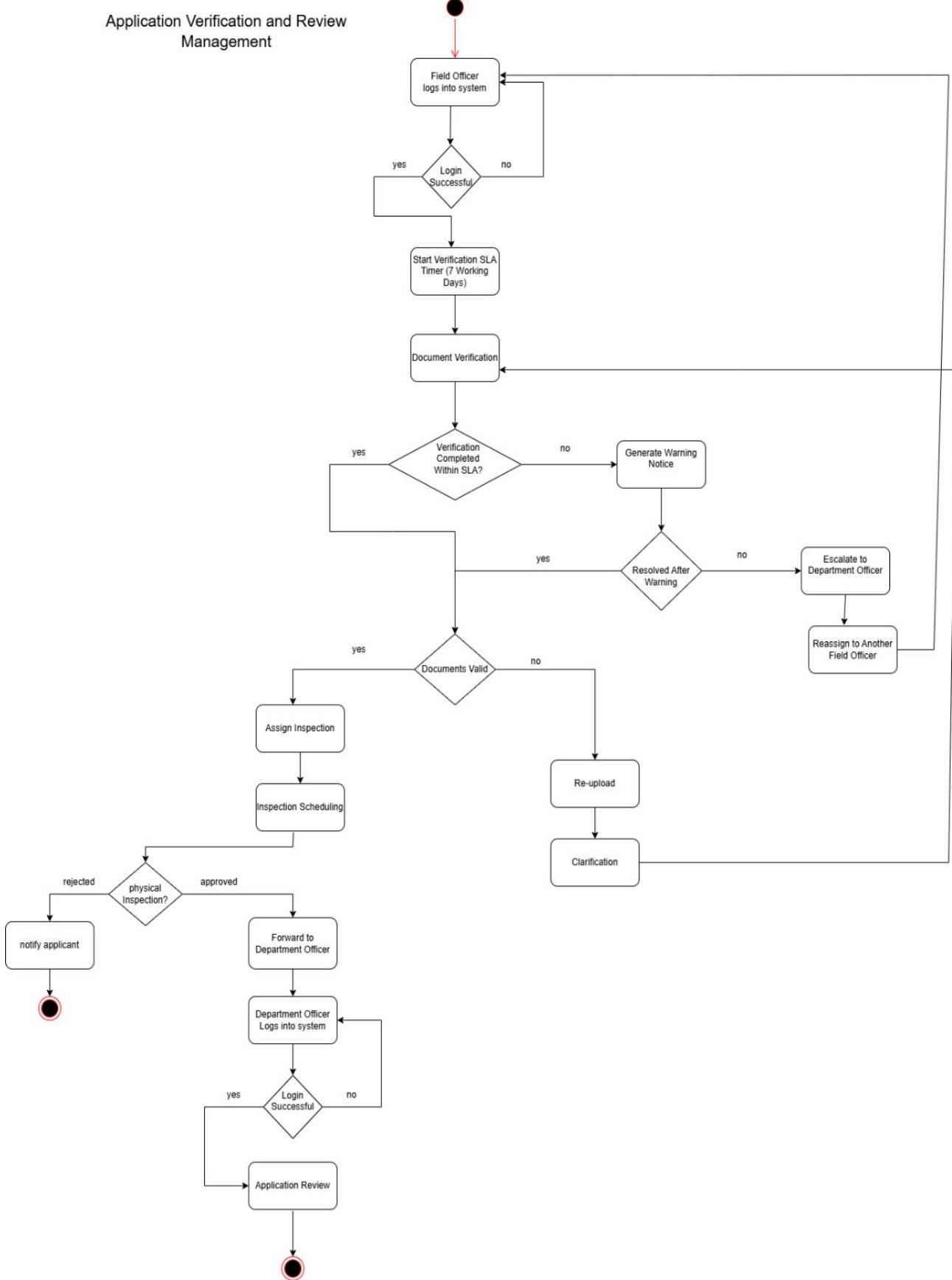
## UML Diagrams

### Use case Diagram

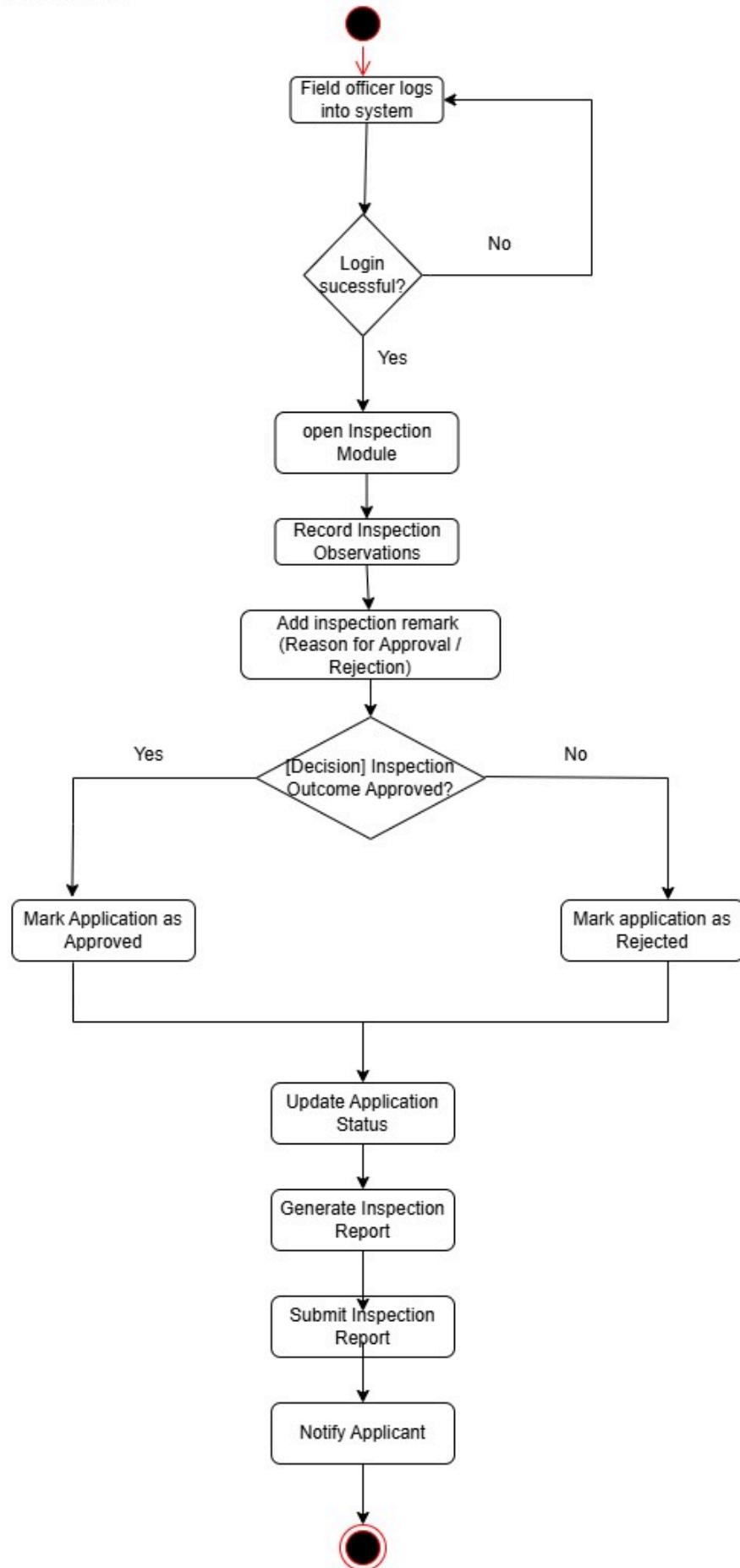


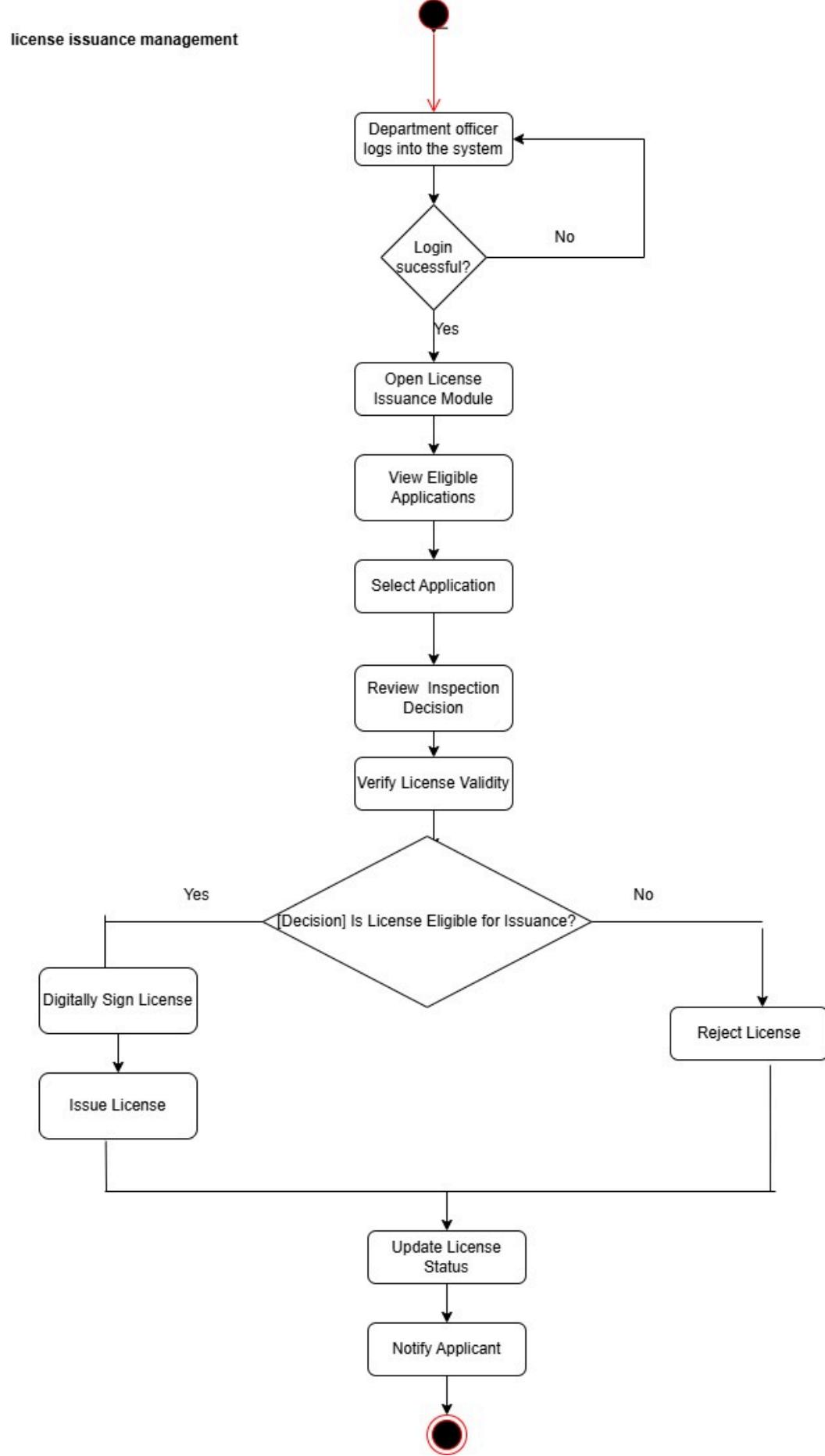
### Activity Diagrams



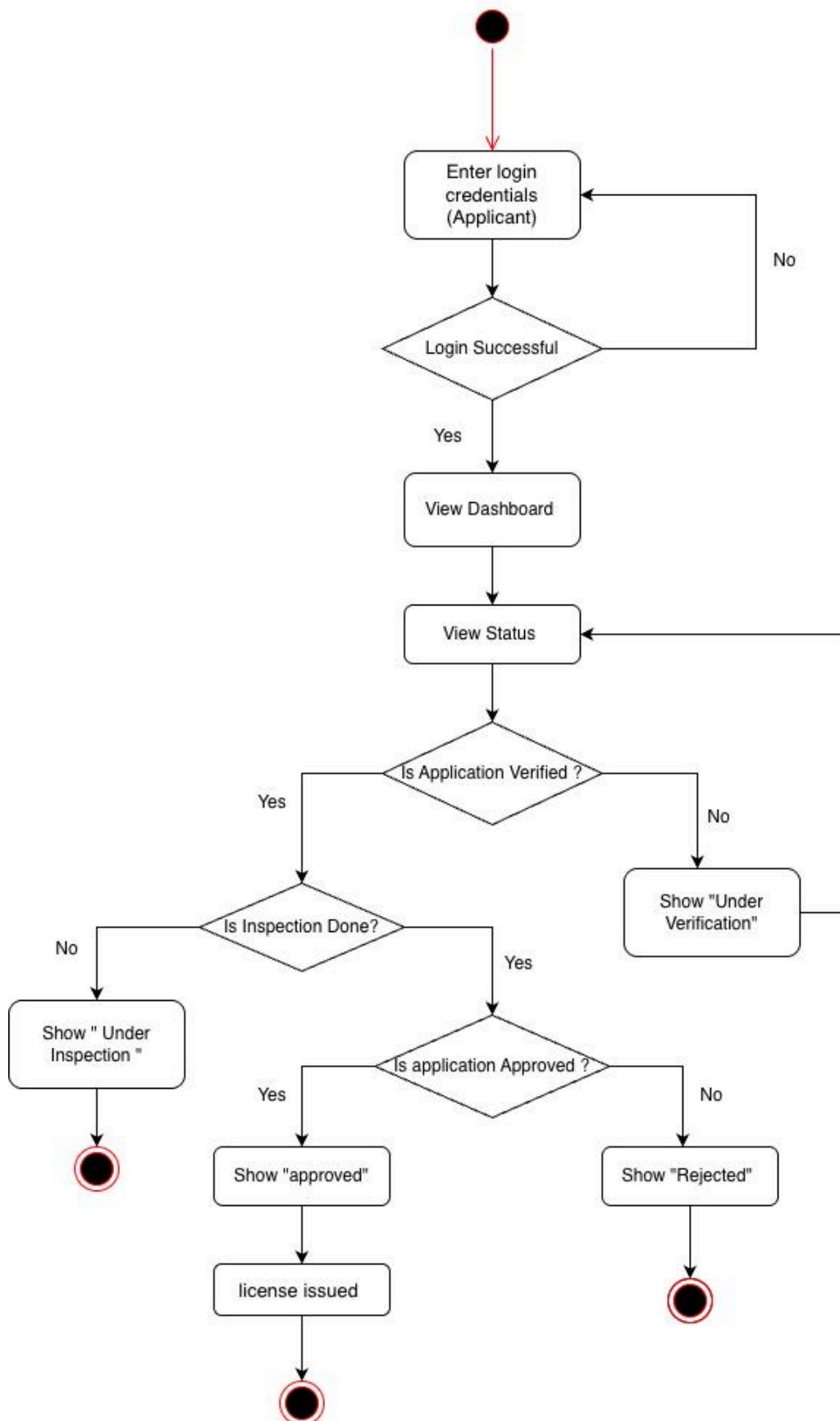


**Inspection report submission**

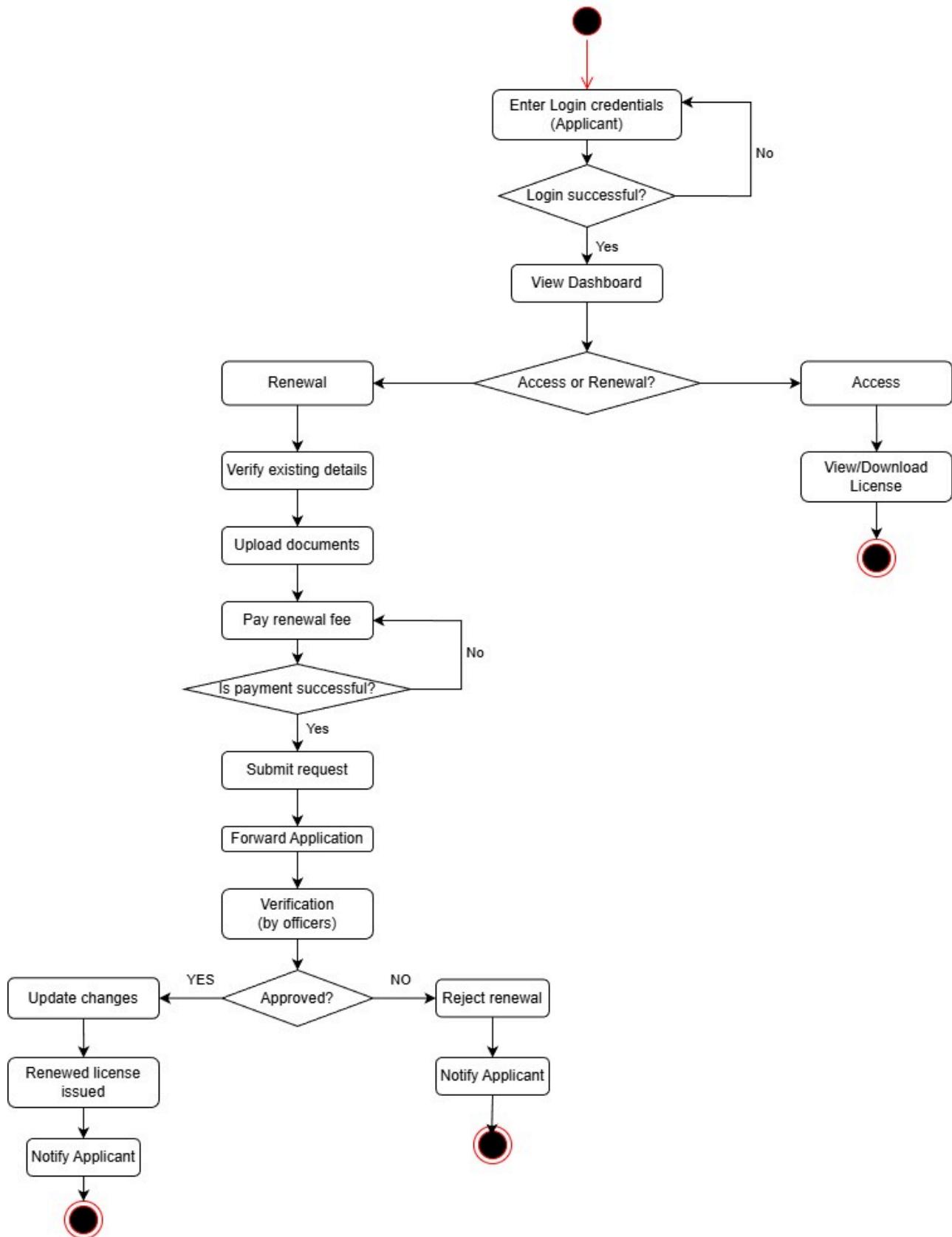


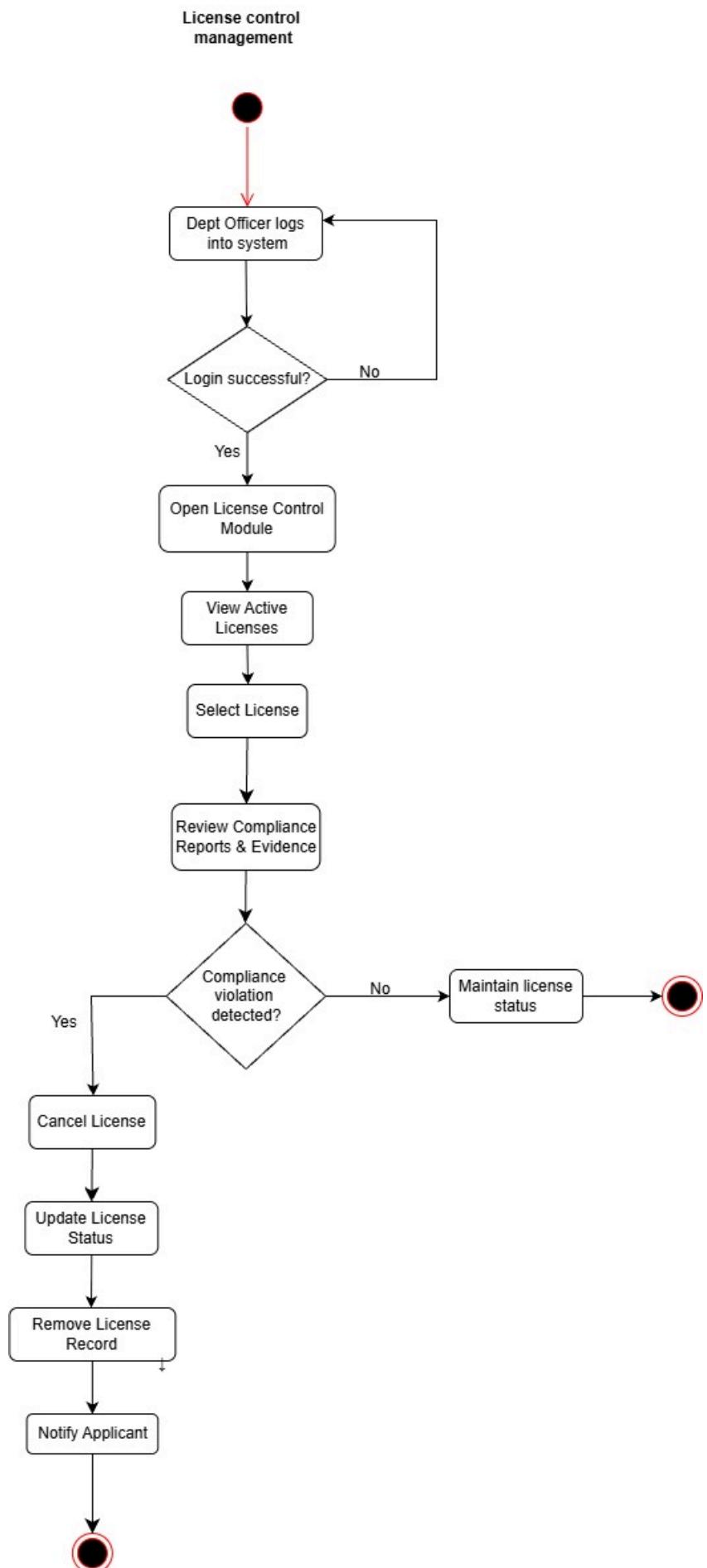


## Appliation status tracking



## License Access & Renewal





## Sequential Diagrams

