Use Cases and Activity Diagrams
For an Application Management System
By Teresia Nduati

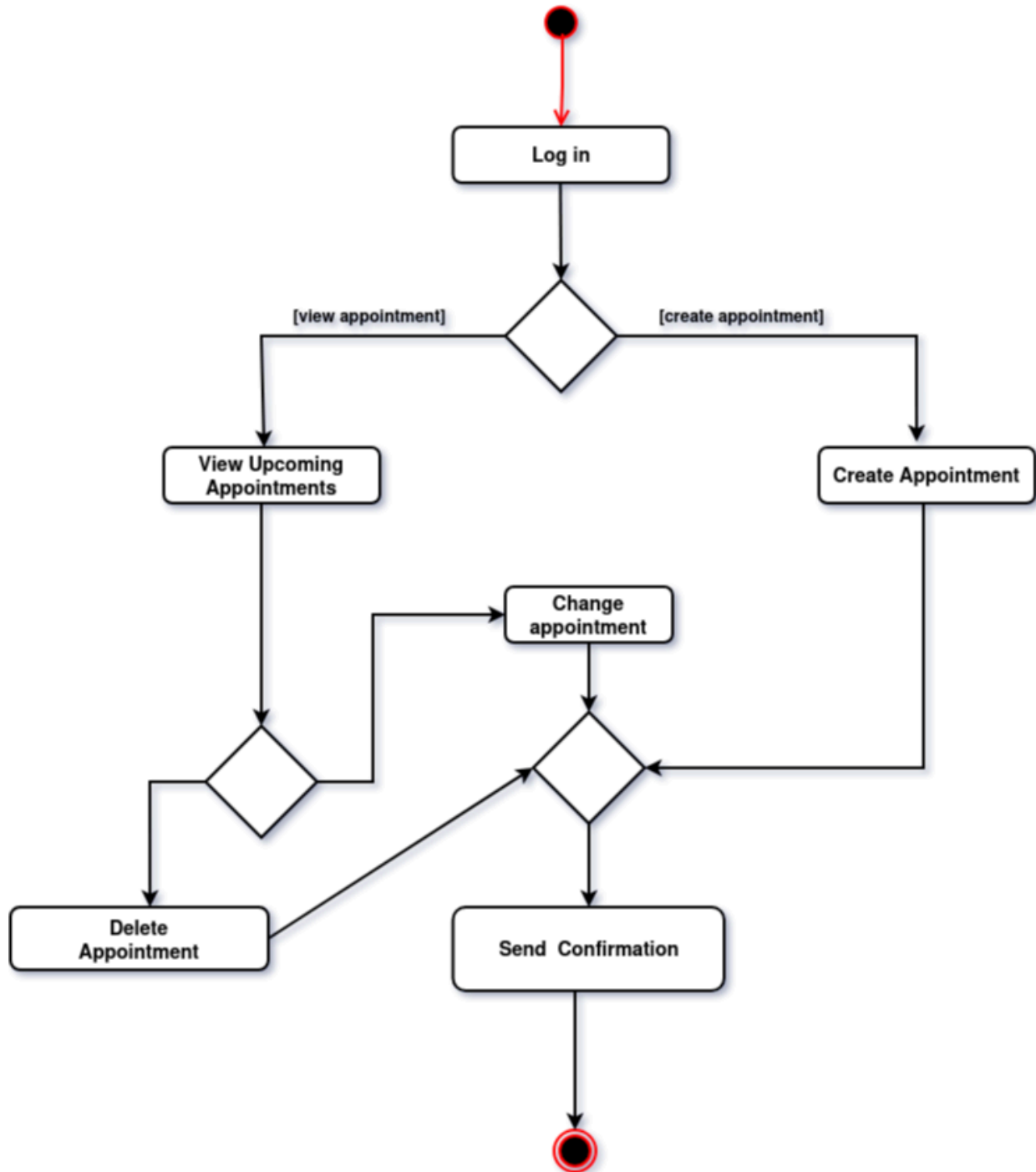## Use Cases

Appointment Management
with Role-based Access
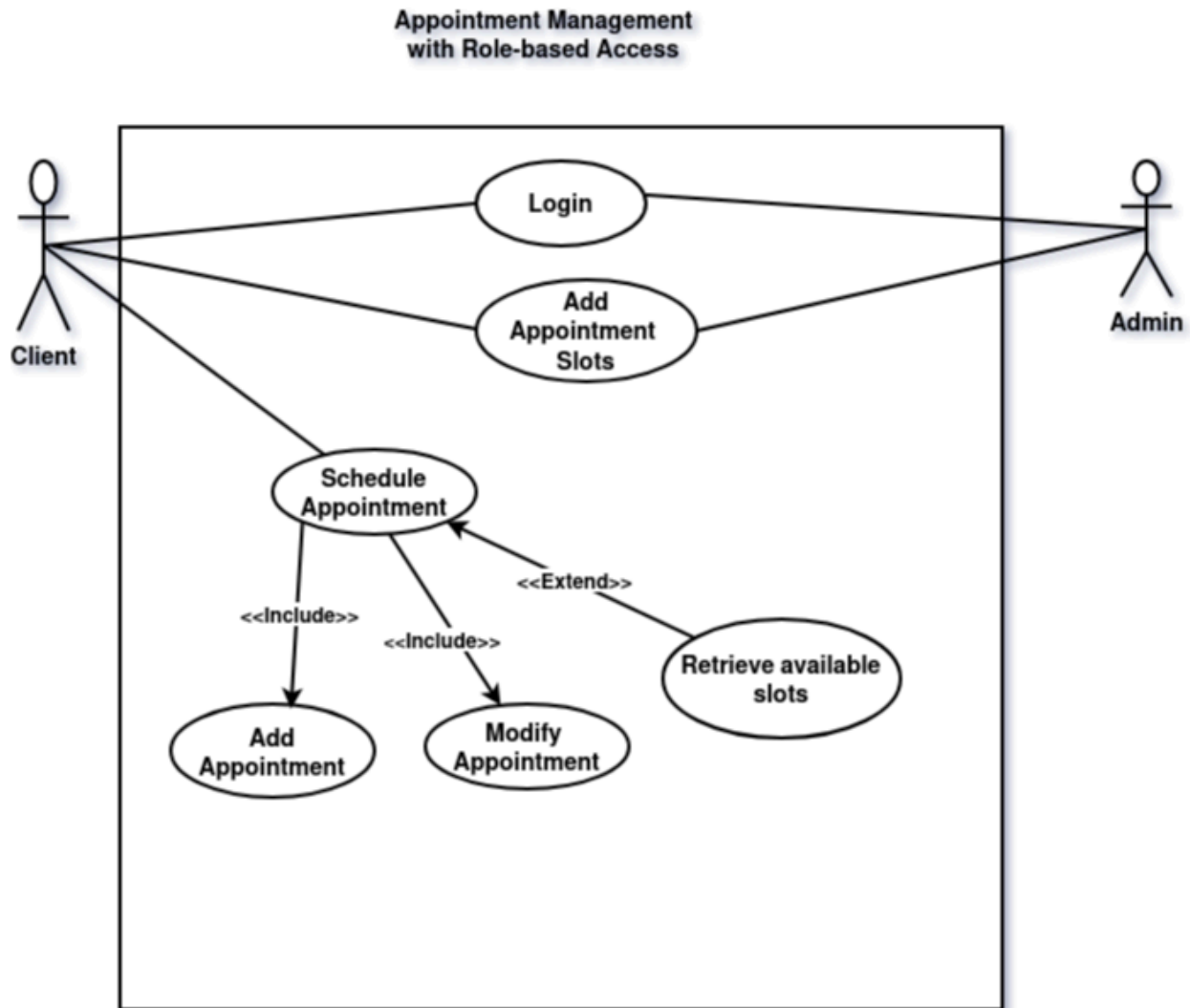
**Payment Processing
with Stripe**

Client

Pay Booked
Appointment

<<Extend>>

Process
Payment

<<Actor>>
Stripe API

<<Include>>

Add Payment
Detail
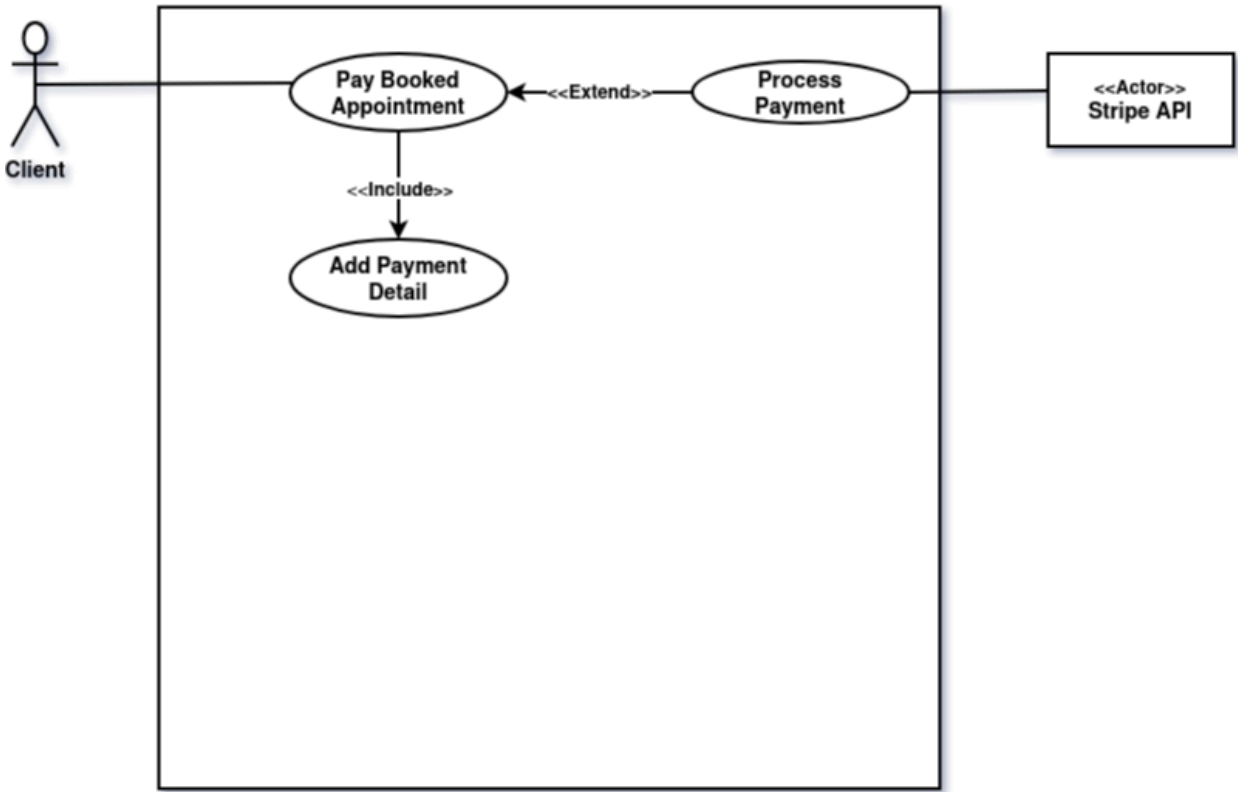
Activity Diagrams

Appointment Booking Process

Log in

[view appointment]   [create appointment]

View Upcoming
Appointments

Create Appointment

Change
appointment

Delete
Appointment

Send Confirmation

Payment Processing and Booking Confirmation

Enter Payment Details

(Fails checks)

(Passes checks)

Process Payment

(Failed Processing)

(Successful processing)

Send Payment Failure Message

Send booking Confirmation