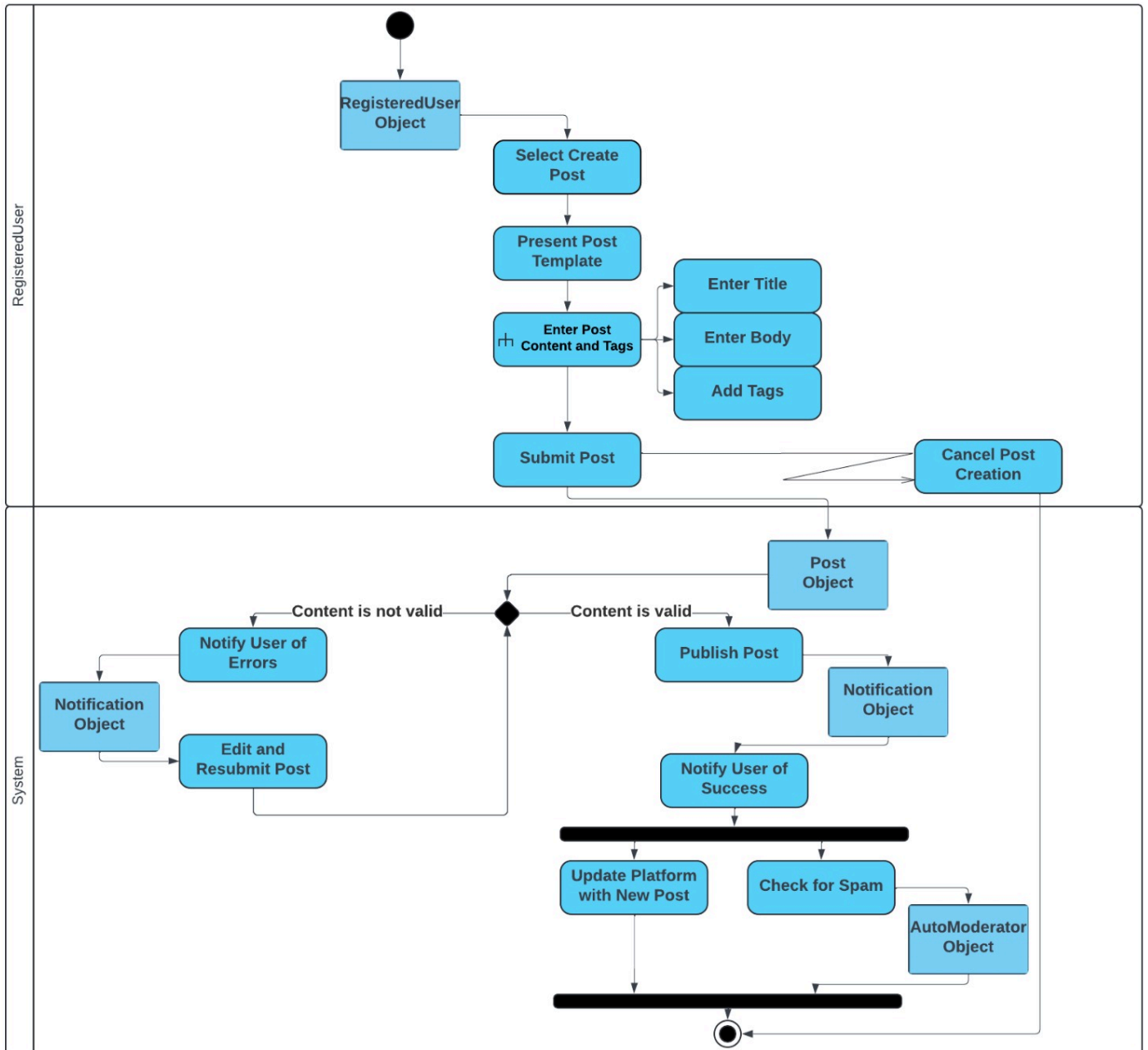# Activity 1: Activity Diagrams
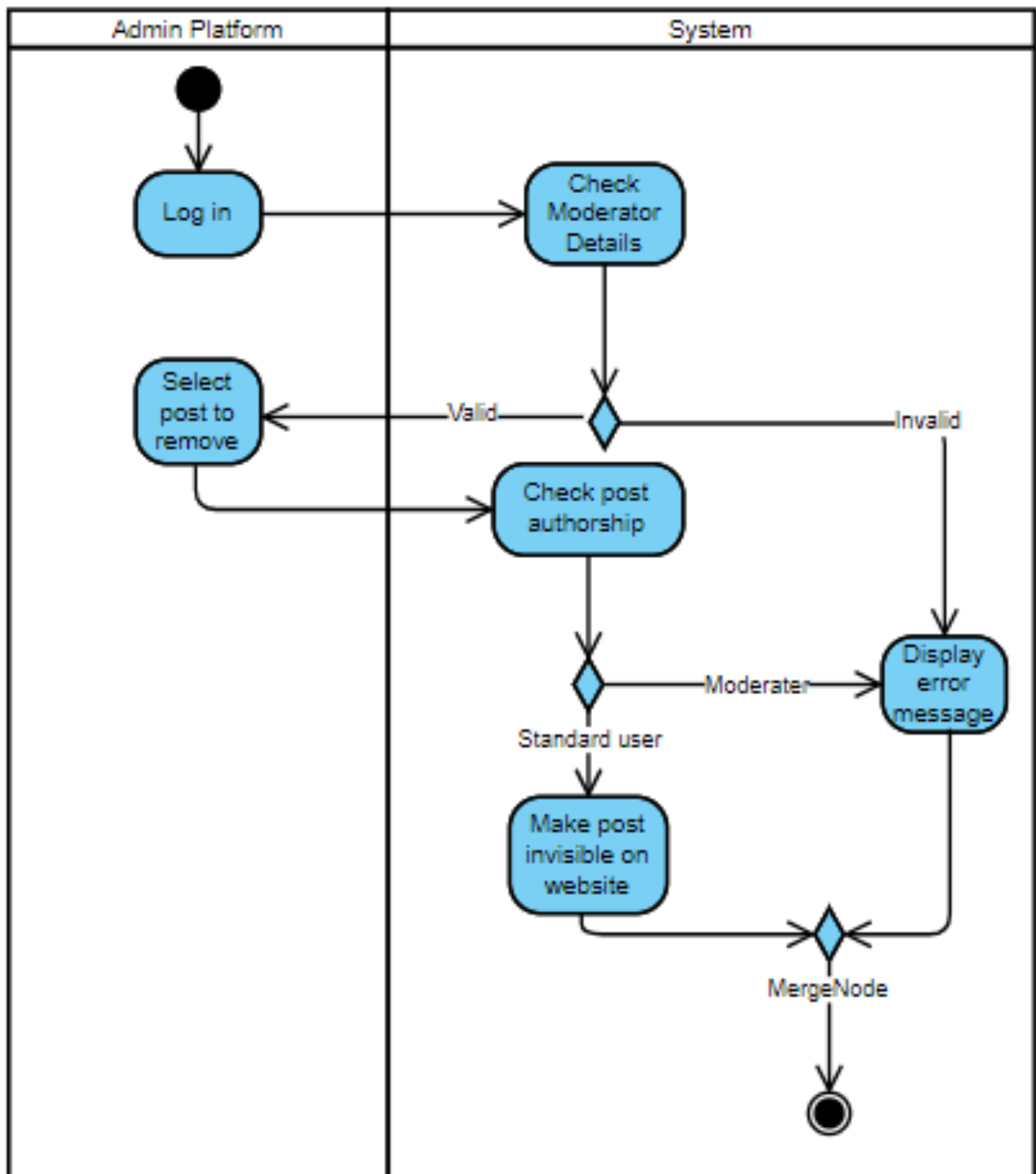
Create Post and Spam Check:
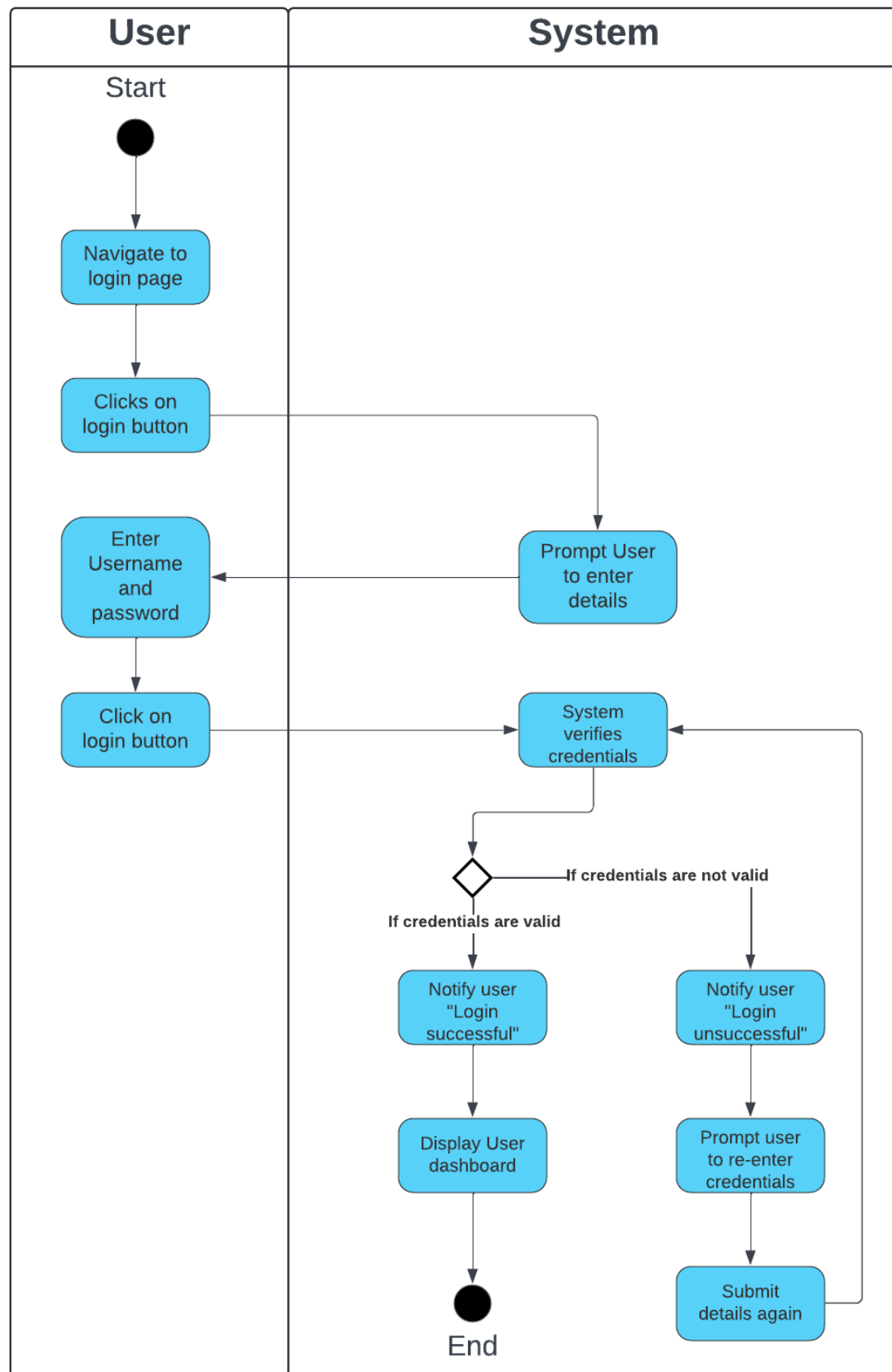
Remove Post:

Admin Platform	System

Admin Platform:

- (start) → Log in
- Select post to remove

System:

- Check Moderator Details
- Decision → Valid / Invalid
- Check post authorship
- Decision → Moderater / Standard user
- Display error message
- Make post invisible on website
- MergeNode
- (end)

Log in:

User	System
Start	

Start
(●)

↓

Navigate to login page

↓

Clicks on login button → **Prompt User to enter details**

Enter Username and password ← **Prompt User to enter details**

↓

Click on login button → **System verifies credentials**

↓

◇

If credentials are valid — **If credentials are not valid**

Notify user "Login successful"   **Notify user "Login unsuccessful"**

↓   ↓

Display User dashboard   **Prompt user to re-enter credentials**

↓   ↓

(●) **End**   **Submit details again**
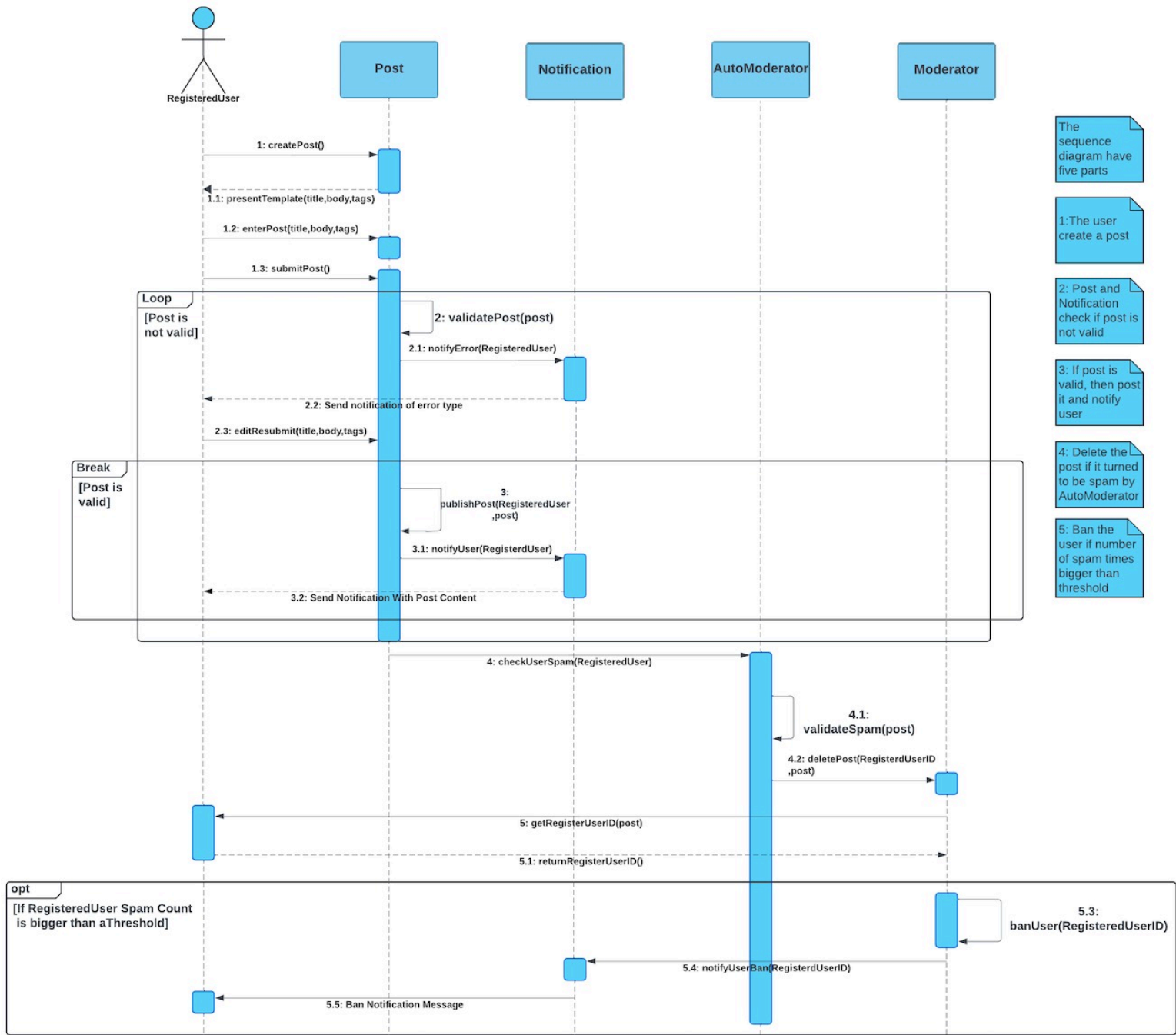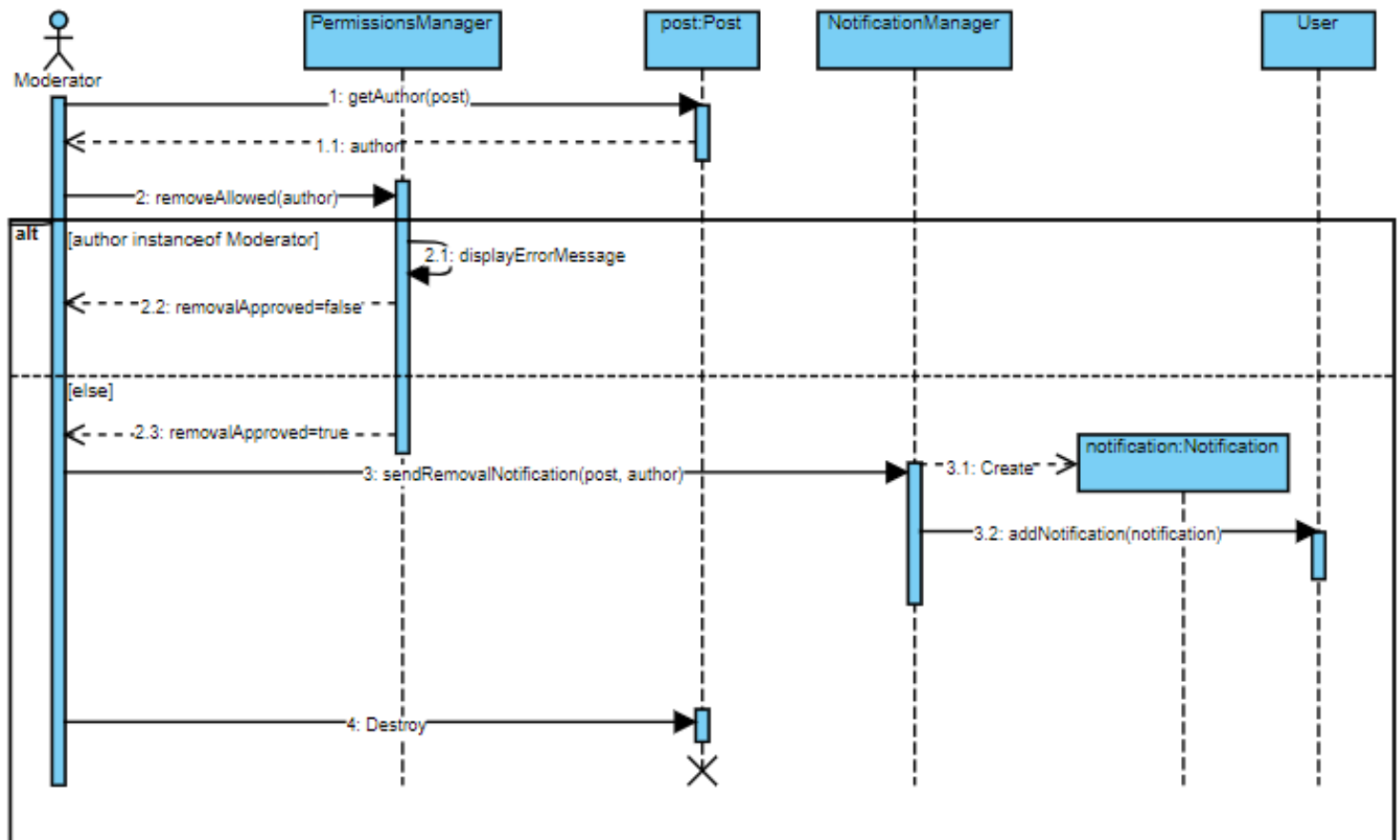
Activity 2: Sequence Diagrams

Create Post and Spam Check:

Remove Post:

Moderator

PermissionsManager

post:Post

NotificationManager

User

1: getAuthor(post)

1.1: author

2: removeAllowed(author)

alt [author instanceof Moderator]

2.1: displayErrorMessage

2.2: removalApproved=false

[else]

2.3: removalApproved=true

3: sendRemovalNotification(post, author)

3.1: Create

notification:Notification

3.2: addNotification(notification)

4: Destroy

Ban User:

Moderator

User

Ban Log

NotificationManager

1: setBannedStatus(true)

2: addUser(user)

Opt
if banDuration >0

3: setBanEndDate(duration)

3.1: endDate

4: sendBanNotification(user, endate)

4.1:Create

Notification