1. Use Cases and Use Cases Diagram

Use Case Name: User Login
Actors: User, System
Description: Users log in to the application using their username and password

Use Case Name: Account Update
Actor: User, System
Description: Users can modify their username, email, and birthday and account details

Use Case Name: Follow User
Actor: User, System
Description: User can follow other users

Use Case Name: Unfollow User
Actor: User, System
Description: User can unfollow other users in their follow list.

Use Case Name: View Follower
Actor: User, System
Description: Users can view their own followers in the follow list

Use Case Name: Create Post
Actor: User, System
Description: Users can create text posts

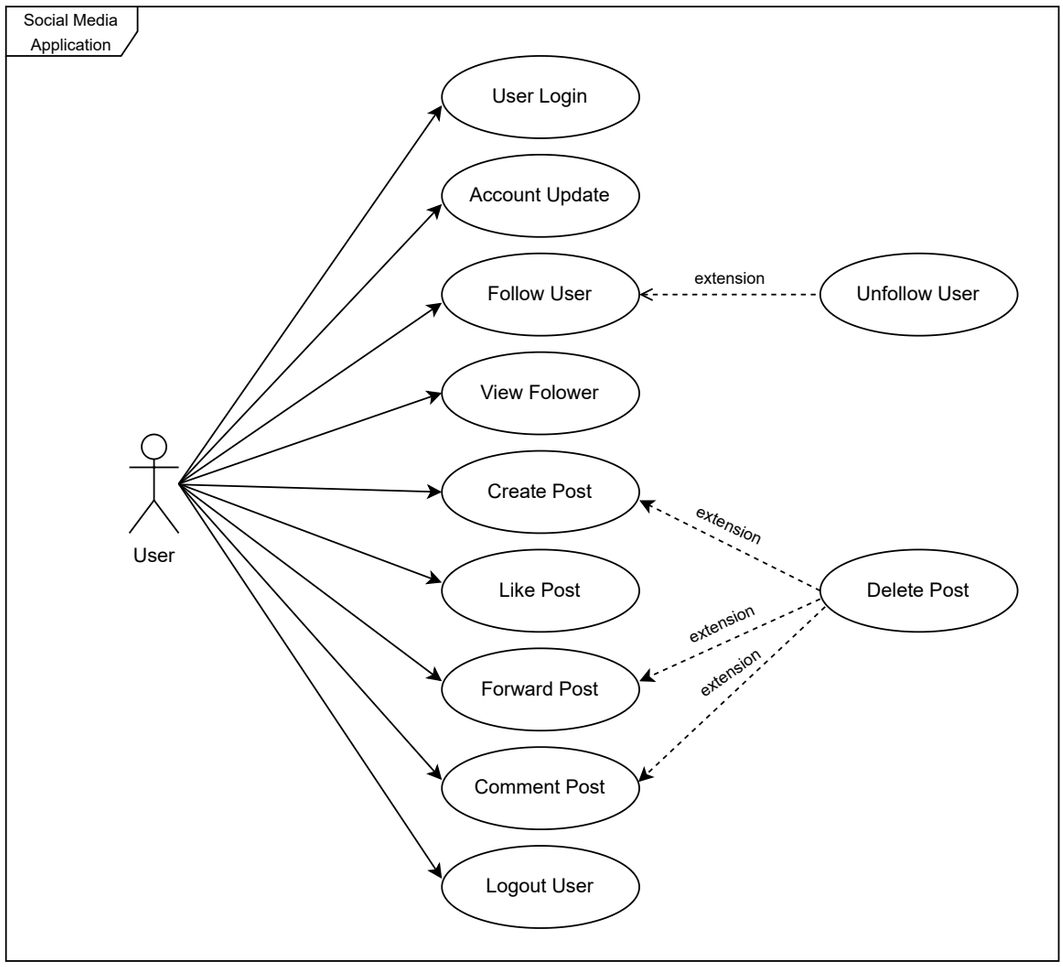
Use Case Name: Delete Post
Actor: User, System
Description: Users can delete existing text posts

Use Case Name: Like Post
Actor: User, System
Description: Users can like anotherr users' text posts

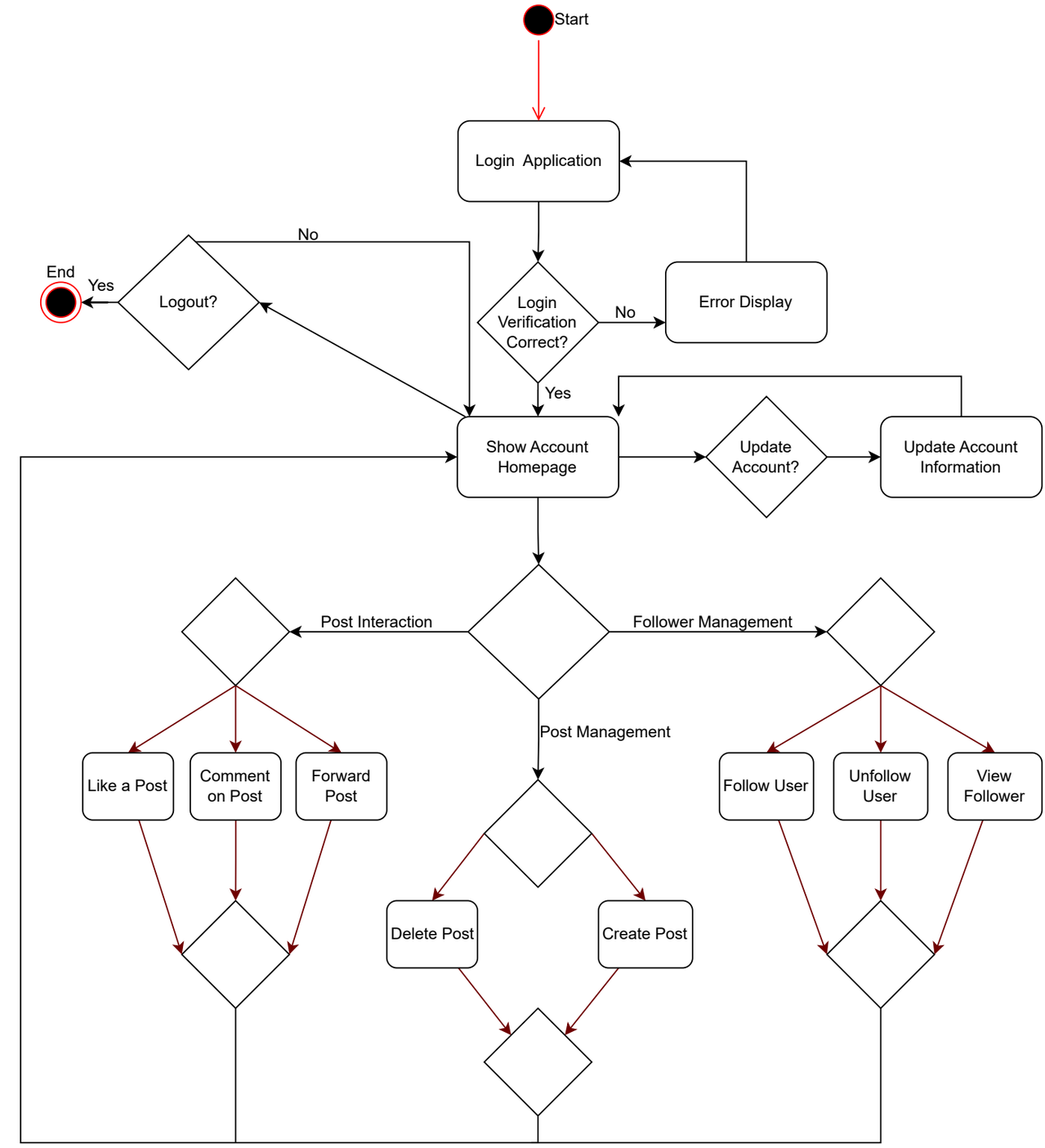
Use Case Name: Comment on Post
Actor: User, System
Description: Users can add a comment to other users' text posts

Use Case Name: Forward Post
Actor: User, System
Description: Users can forward other users' text posts

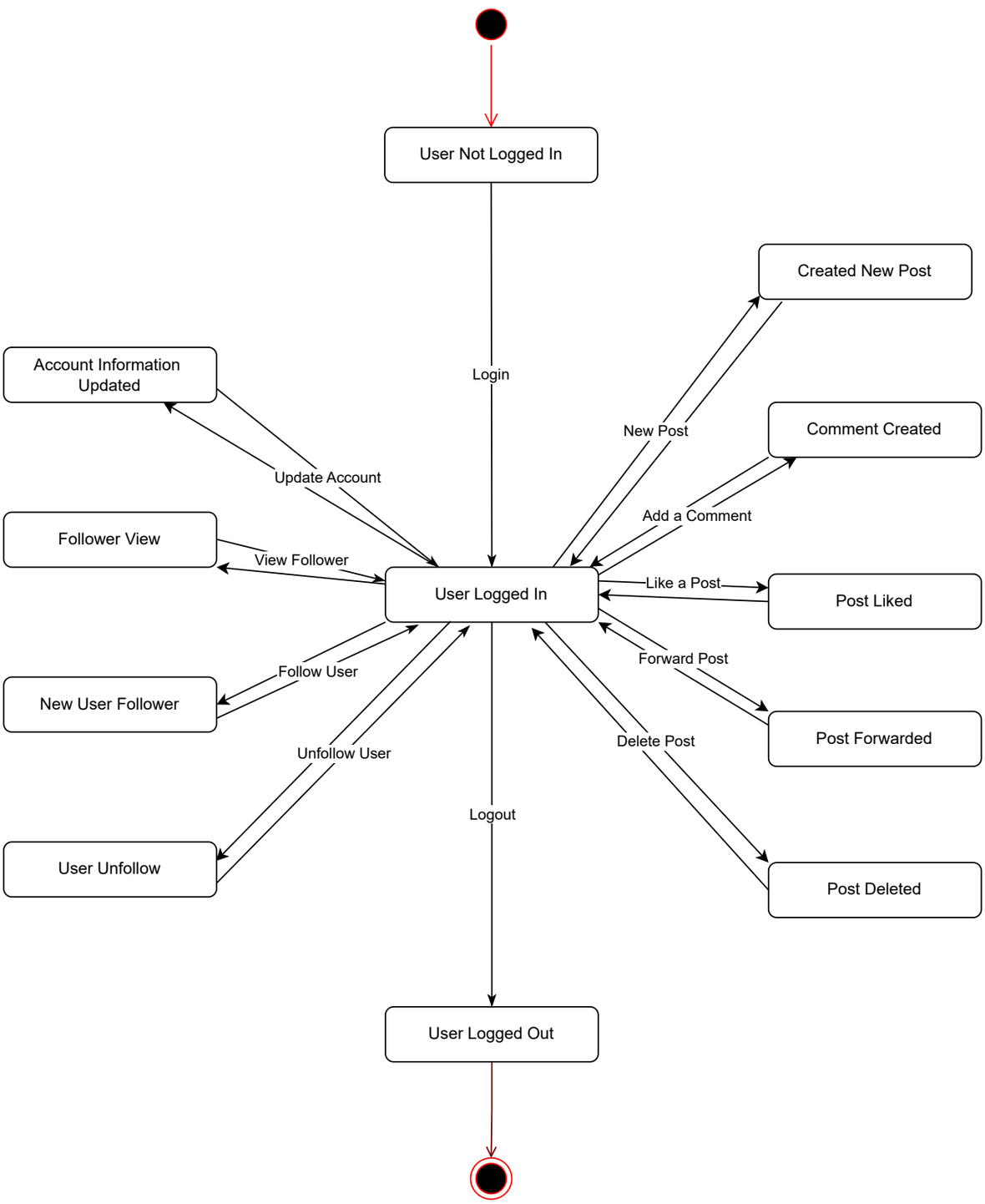
Use Case Name: Logout User
Actor: User, System
Description: User logs out of account



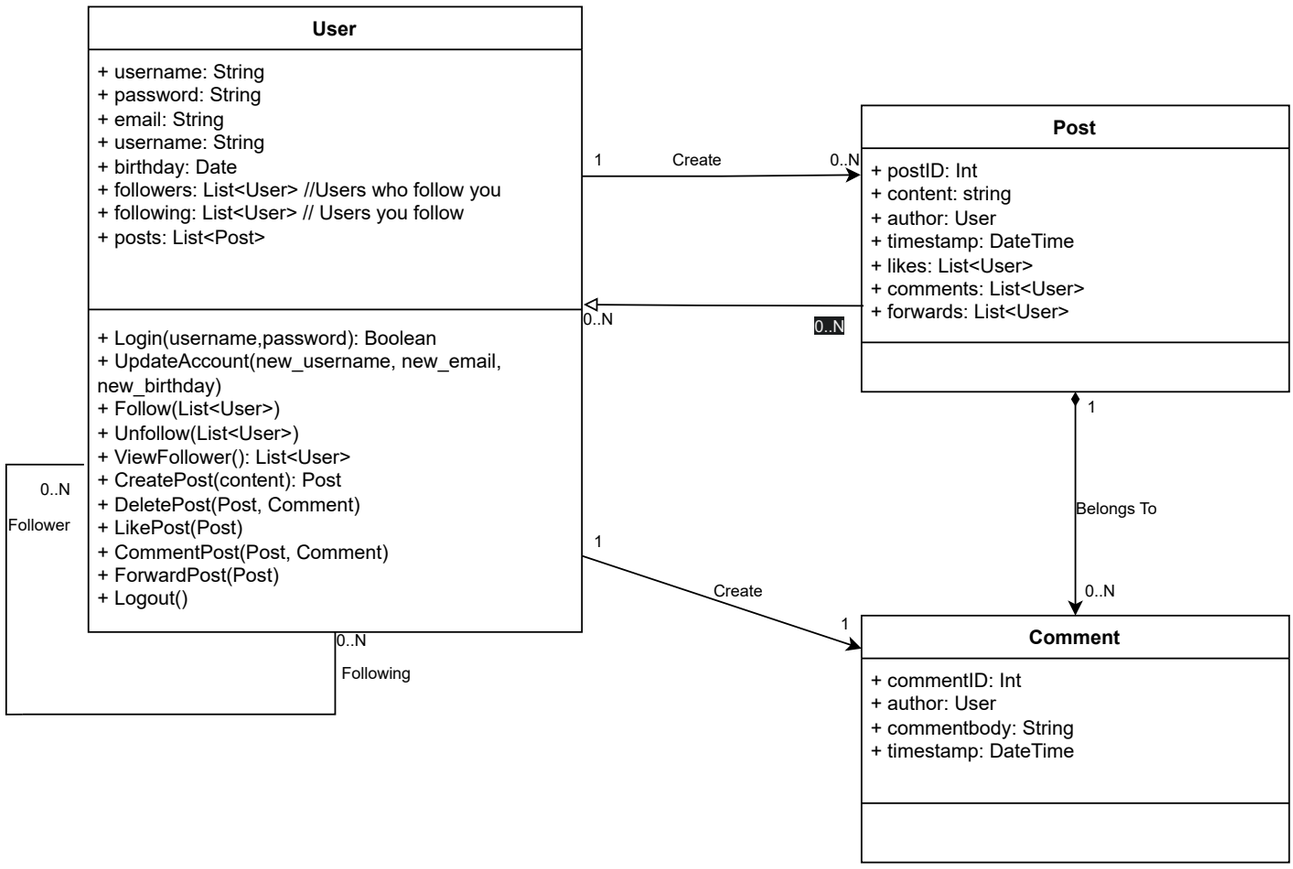
Activity Diagram



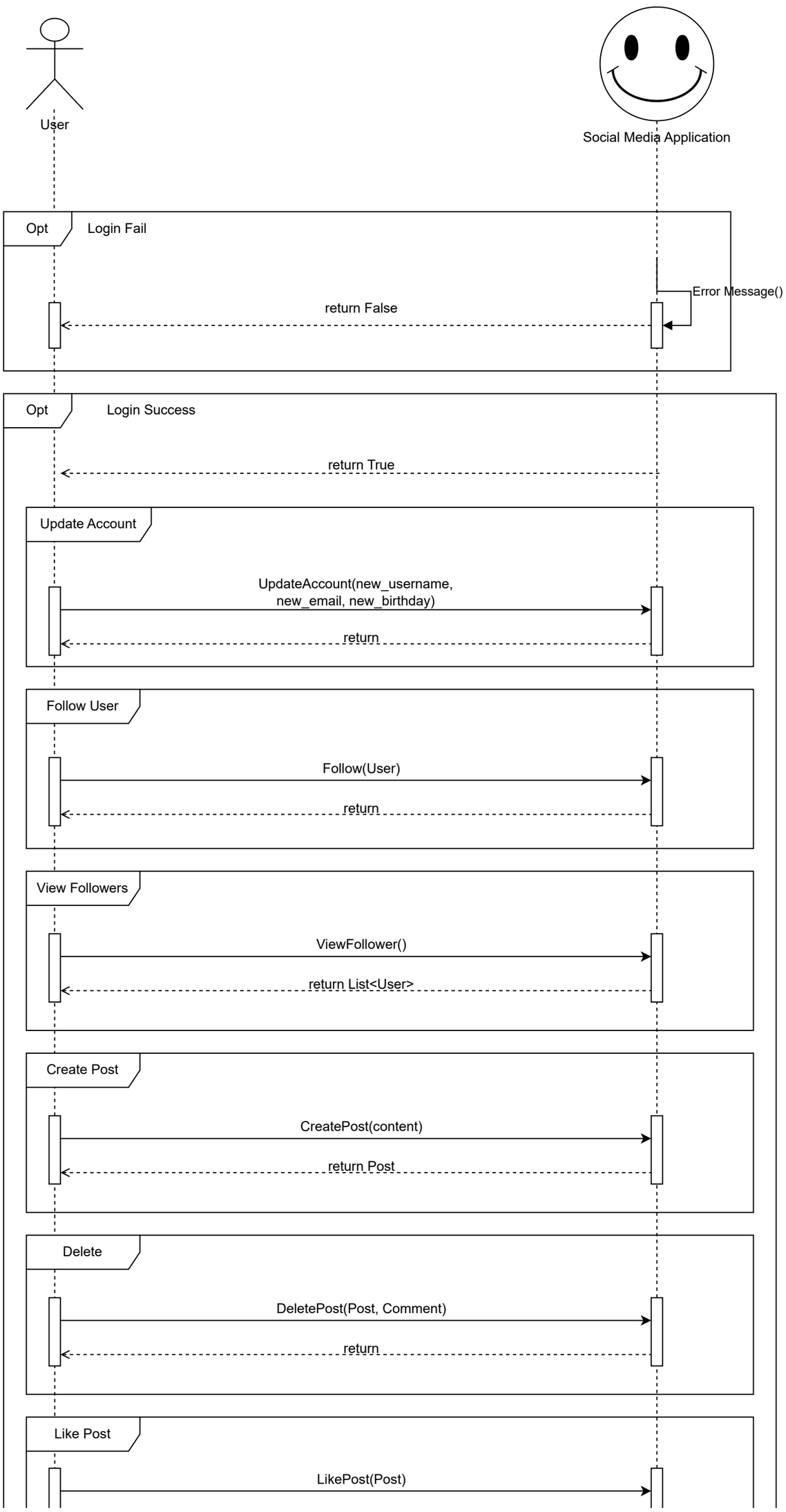
State Diagram

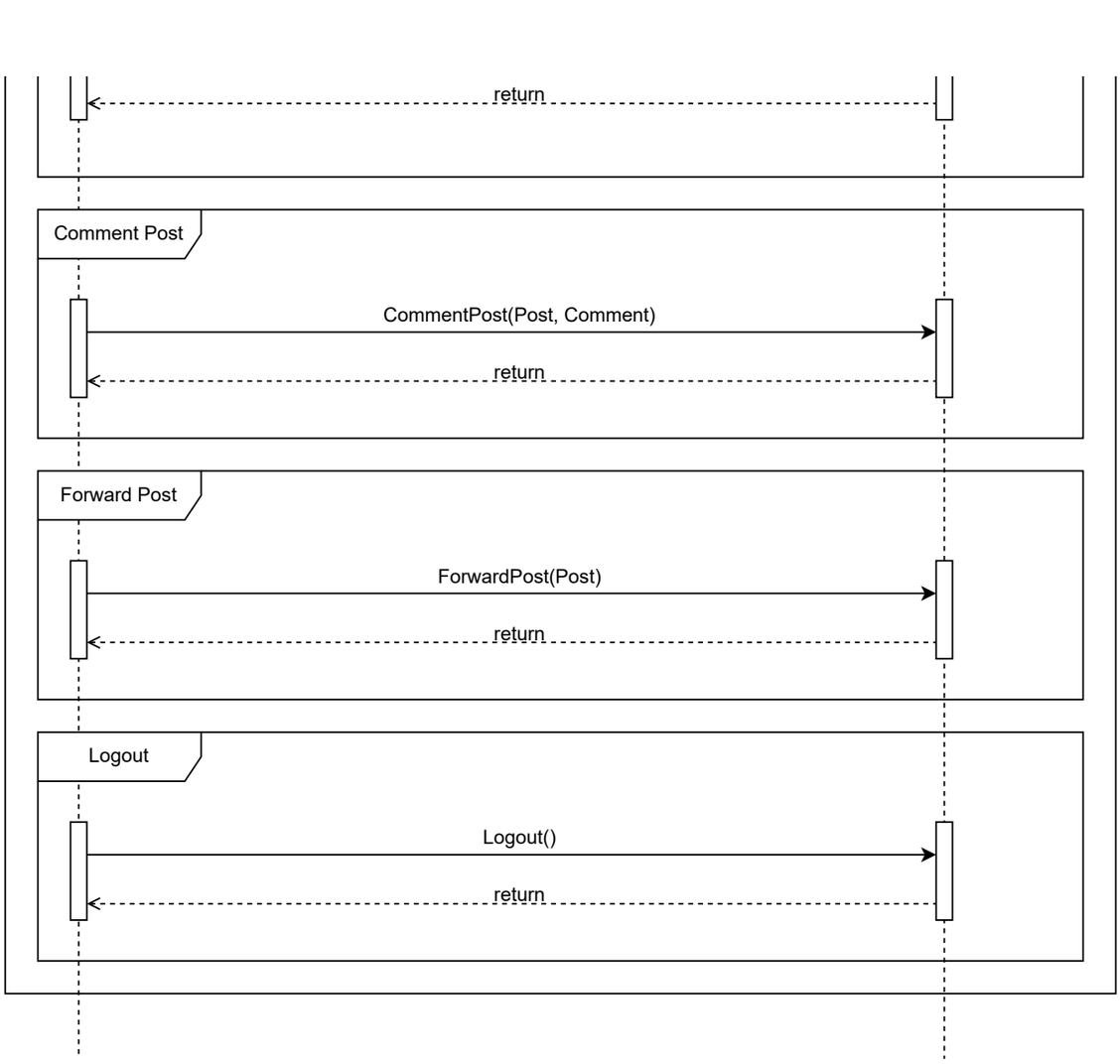


Class Diagram



Sequence Diagram




return
Comment Post
CommentPost(Post, Comment)
return
Forward Post
ForwardPost(Post)
return
Logout
Logout()
return