IT-314 Software Engineering

Lab 5: Sequence Diagram and Analysis Domain Model

Group -14 (Social Media Platform)

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- **Identify Entity/Boundary/Control Objects:**

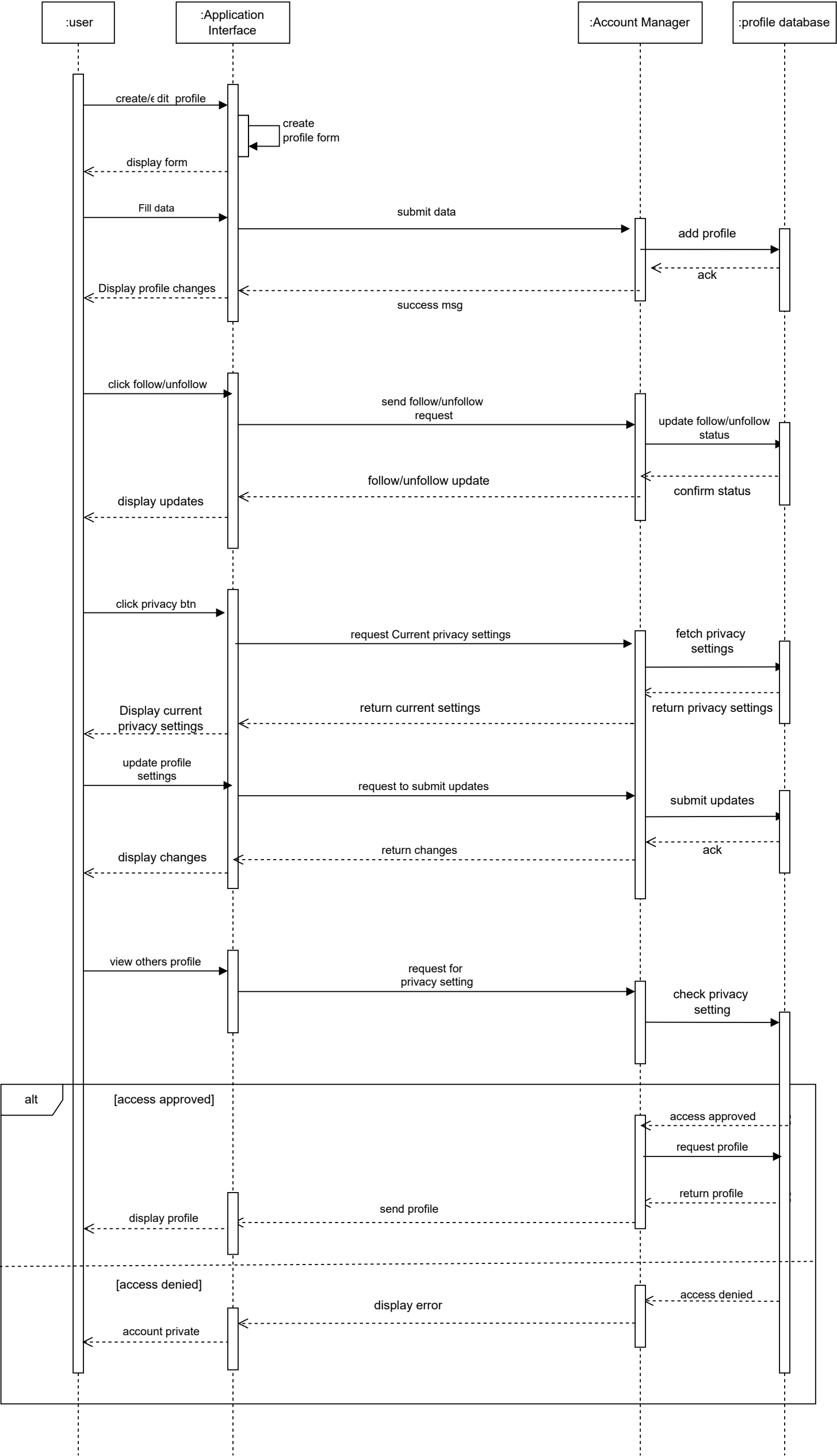**Entity Objects:**

- User
- Account Database

Boundary Objects:

- Application interface

Control Object:

- Account manager

Social Media Platform

:user | :Application Interface | :Account Manager | :profile database

create/edit profile

create profile form

display form

Fill data

submit data

add profile

ack

Display profile changes

success msg

click follow/unfollow

send follow/unfollow request

update follow/unfollow status

follow/unfollow update

confirm status

display updates

click privacy btn

request Current privacy settings

fetch privacy settings

Display current privacy settings

return current settings

return privacy settings

update profile settings

request to submit updates

submit updates

display changes

return changes

ack

view others profile

request for privacy setting

check privacy setting

alt [access approved]

access approved

request profile

return profile

display profile

send profile

[access denied]

display error

access denied

account private

SOCIAL MEDIA PLATFORM

Account Manager

+getProfile(userId: String) : : Profile

+updateProfile(profile: Profile)

+getFollowers(userId: String) : : List<User>

+getFollowing(userId: String) : : List<User>

+createAccount(user: User)

+deleteAccount(userId: String)

+updatePrivacySettings()

+getPrivacySettings()

User

-id: String

-username: String

-email: String

+createProfile()

+editProfile()

+viewProfile()

+followUser(User)

+unfollowUser(User)

+updatePrivacySettings()

Profile

-userId: String

-name: String

-bio: String

-profilePicture: String

+updateInfo()

+getInfo()

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has a

is managed by   1..*

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