

## Use Case Diagram for Facebook

Learn how to define `acc` class and create the corresponding `acc` class diagram for the Facebook problem.

- Actors
  - Primary actors
  - Secondary actors
- Use cases
  - User
  - Page/Group Admin
  - System
- Relationships
  - Generalization
  - Associations
  - Include
- Use case diagram

## System

## Actors

## Primary

information. They ca

sendin

## Secondary actors

including blocking  
group, changing t

- **System:** This is responsible for sending out notifications for new friend requests, messages, comments, etc.
- ## Use cases

- In this section, we'll define the use cases for Facebook. We have listed the use cases according to their respective interactions with a particular actor.

**Note:** You'll share this information with all the people you've shared it with.

User

**Follow/unfollow user:** To follow or unfollow other users

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- **Create/join/leave group:** To either create a new group or perform actions like joining or leaving an existing group
- **Invite users to group:** To invite other users to an existing group.
- **Add/update/delete post:** To add a new post, update the content of the post, or delete an existing post
- **Like/comment/share post:** To like a post, comment on a post, or share a post

- of the comment, like a particular comment, or delete a comment
  - Accept/reject friend request:** To accept or reject a friend request from another user
  - Update privacy:** To update the privacy settings of the profile
  - Search users/groups/pages/posts:** To search for other users, any existing groups or pages, or any posts made by users
  - Accept/Reject friend request:** To accept or reject a friend request from another Facebook user
  - Accept/Reject group join invitation:** To accept or reject a group joining invitation from another Facebook user
  - Like/Comment/Share Post:** To like, comment, or share any post visible to users on Facebook
- ## Page/Group Admin
- Block/unblock user:** To block or unblock a user from a group or page
  - Enable/disable page:** To enable or disable a page
  - Delete group:** To delete an existing group
  - Change a group's privacy:** To change the privacy settings of a group (from public to private and vice versa)

- **Send new friend request**  
request sent by another

- **Send message notification:** To send a notification of any new messages
  - **Send new post notification:** To send a notification of any new posts
  - **Send comment notification:** To send a notification of any comments on your others' posts
- ## Relationships

section.

- The “Page/Group Admin” has a generalization relationship with the “User” as the admin can perform all those tasks that a normal user can perform

- We can search for other users, groups, pages, or even posts. This shows that the “Search” use case has a generalization relationship with the “users,” “groups,” “pages,” and “posts” use cases.

User

Add/update profile	Add/update profile	Send new friend request notification

Send friend request	Send friend request	Send comment notification
Create/like/follow/share page	Create/like/follow/share page	
Create/join/leave group	Create/join/leave group	
Invite user to group	Invite user to group	
Add/update/delete post	Add/update/delete post	
Add/update/delete/like comment	Add/update/delete/like comment	
Accept/reject friend request	Accept/reject friend request	
Update privacy	Update privacy	
Search users/groups/pages/posts	Search users/groups/pages/posts	
Accept/Reject friend request	Block/unblock user	
Accept/Reject group join invitation	Enable/disable page	
Like/Comment/Share Post	Delete group	
	Change a group's privacy	

friend

• The “C

- The “message notification” use case, because whenever a user receives a message, the user is notified.
  - The “Add post” use case has an include relationship with the “Send new post notification” use case. Whenever a new post is created by a user being followed by the default user, the default user is notified.
  - The “Add comment” use case has an include relationship with the “Send new comment notification” use case. Whenever a new comment is made by another user on a post either created by the default user or followed by the default user, the default user is notified.
- ## Use case diagram
- Here’s the use case diagram of Facebook:

