

Use Cases:

The first step towards proper data modeling is identifying the Use Cases that the system is required to perform as this helps us to identify which actions are performed by the user and what kind of data model is required for achieving the use case efficiently.

1. Login:

1. *Name*: Login
2. Actors Involved: User
3. Precondition: User must already have registered on MyLinkedin.
4. Description: Email id and password of user are taken and verified with the database to authenticate the user.
5. Postcondition: Display message regarding login status after authenticating the user.

2. Signup:

1. Name: Signup
2. Actors: User, Linkedin DB
3. Precondition: User must have a valid email id
4. Description: Basic details of the user such as name, username, password, email, phone number, education, Date of birth is asked and entered into the database.
5. Postcondition: new user object should be created in DB and the details should be stored in it.

3. Add connection:

1. Name: Connection
2. Actors Involved: User
3. Precondition: User must have registered on MyLinkedin.
4. Description: Users can connect to any other user on linkedin, and thereafter be able to view each other's updates.
5. Postcondition: If the account is private, the second user is notified about the connection request, else they are connected.

4. Messaging:

1. Name: Messaging
2. Actors Involved: User
3. Precondition: User must be logged into his MyLinkedin profile
4. Description: A user can send messages to other users.

5. Postcondition: If the account is private, the second user is notified about the message request, else conversation is started..

5. Job positioning:

1. Name: Job positioning.
2. Actors Involved: User
3. Precondition: User must be logged into his MyLinkedin profile
4. Description: A user can search and apply for a job from the list of job opportunities or can contact the recruiter. A user can also add job opportunities for others.
5. Postcondition: The recruiter who has created a job opportunity, is notified when someone has applied for it.

6. Post:

1. Name: Post
2. Actors Involved: User, Linkedin
3. Precondition: User must be logged into his MyLinkedin profile
4. Description: A user can add/delete photo,text,video,event,experience as a post.

7. Edit a Post:

5. Name: Edit Post
6. Actors Involved: User, Linkedin
7. Precondition: User must be logged into his MyLinkedin profile nad should have posted something which is to be edited.
8. Description: A user can edit the content of the post.
9. Postcondition: The database should be updated with the edited content.

8. Like/comment:

1. Name: Like and comment.
2. Actors Involved: User , Linkedin
3. Precondition: User must be logged into his MyLinkedin profile
4. Description: A user can give a like to some other user's post or add a public comment to the post.

9. Unlike a post:

1. Name: Unlike a post.
2. Actors Involved: User , Linkedin
3. Precondition: User must be logged into his MyLinkedin profile and the specific post should already be liked.
4. Description: A user can unlike a post which was already liked by him.

5. Postcondition: The database should be updated with changed like status

10. Share:

1. Name: Share post.
2. Actors Involved: User , Linkedin
3. Precondition: User must be logged into his MyLinkedin profile
4. Description: A user can share someone else's post on their feed.

11. Search:

1. Name: Search.
2. Actors Involved: User
3. Precondition: User must be logged into his MyLinkedin profile
4. Description: A user can search for other users, company pages, hashtags and jobs.
5. Postcondition: Search results of related words.

12. Activity:

1. Name: View activity.
2. Actors Involved: User, Linkedin db.
3. Precondition: User must be logged into his MyLinkedin profile
4. Description: A user should be able to see the log of their post liked, commented, profile viewed, connection requested or connection added.

13. View Connections:

1. Name: View connections.
2. Actors Involved: User, Linkedin db.
3. Precondition: User must be logged into his MyLinkedin profile
4. Description: A user can view all his connections on linked in .

14. Privacy setting:

1. Name: Private account.
2. Actors Involved: User, Linkedin db.
3. Precondition: User must be logged into his MyLinkedin profile
4. Description: User should be able to change the privacy setting to 'Private' or 'Public'. If a profile is private, only the connections should be able to view the profile and others can see only their name.

15. Sign out:

1. Name: Sign out.

2. Actors Involved: User, Linkedin db.
3. Precondition: User must be logged into his MyLinkedin profile
4. Description: User should be able to sign out from his account, so no functionalities can be used further by him, without re - signing in.
5. Postcondition: User won't be able to access his account.

16. Add section:

1. Name: Add section.
2. Actors Involved: User, Linkedin db.
3. Precondition: User must be logged into his MyLinkedin profile
4. Description: Users can add intro, education, background, experience, volunteer work, skills, accomplishments, supported languages.
5. Postcondition: This section article should be added to the database.

17. View News feed:

1. Name: News feed.
2. Actors Involved: User, Linkedin db.
3. Precondition: User must be logged into his MyLinkedin profile.
4. Description: Users should be able to view all the posts of their and their connections such that the newest is shown on top.

18. Add Education:

1. Name: Education under background.
2. Actors Involved: User, Linkedin db.
3. Precondition: User must be logged into his MyLinkedin profile.
4. Description: Users should be able to add education with the details like passing year, institute, major subjects etc.
5. Postcondition: Education section should be updated with new education document.

19. Respond to a connection request:

1. Name: Connection request.
2. Actors Involved: User, Linkedin db.
3. Precondition: User must be logged into his MyLinkedin profile and have an active connection request.
4. Description: User should be able to accept or delete a connection request.
5. Postcondition: If the request is accepted, the connections list is updated with new connection and the list of connection requests is updated with removing the connection request (even if it is declined).

20. Save post:

1. Name: Save post.
2. Actors Involved: User, Linkedin db.
3. Precondition: User must be logged into his MyLinkedin profile.
4. Description: If a post is visible to the user, the user should be able to save that post and view it in future.
5. Postcondition: The user should be able to see the post in saved posts section.

21. View profile:

1. Name: View profile.
2. Actors Involved: User, Linkedin db.
3. Precondition: User must be logged into his MyLinkedin profile.
4. Description: User should be able to see the profile of other users on linkedin.

22. Edit profile intro:

1. Name: Edit profile intro.
2. Actors Involved: User, Linkedin db.
3. Precondition: User must be logged into his MyLinkedin profile.
4. Description: User should be able to edit their profile intro.
5. Post Condition: New profile intro should be updated to the database and other users should be able to see the updated profile intro.

23. Edit profile photo:

1. Name: Edit profile photo.
2. Actors Involved: User, Linkedin db.
3. Precondition: User must be logged into his MyLinkedin profile.
4. Description: User should be able to edit their profile photo.
5. Post Condition: New profile photo should be updated to the database and other users should be able to see the updated profile photo.

24. Edit wall photo:

1. Name: Edit wall photo.
2. Actors Involved: User, Linkedin db.
3. Precondition: User must be logged into his MyLinkedin profile.
4. Description: User should be able to edit their wall photo.
5. Post Condition: New wall photo should be updated to the database and other users should be able to see the updated wall photo.

24. Like a comment on a post:

1. Name: Like a comment on a post.
2. Actors Involved: User, LinkedIn db.
3. Precondition: User must be logged into his MyLinkedIn profile.
4. Description: Users should be able to like comment(s) on a post.
5. Post Condition: Likes count on a comment should be increased.

25. Edit post visibility:

1. Name: Edit who can see the post.
2. Actors Involved: User, LinkedIn db.
3. Precondition: User must be logged into his MyLinkedIn profile.
4. Description: User can change the post visibility setting to private, public or to only their connections
5. Post Condition: Database to be updated with the new settings.

26. Edit open to settings:

1. Name: Edit the status for job positioning.
2. Actors Involved: User, LinkedIn db.
3. Precondition: User must be logged into his MyLinkedIn profile.
4. Description: User can change the open to settings for job positioning, it can be hiring or looking for job.
5. Post Condition: Database to be updated with the new settings.

27. Edit mute status of a connection:

1. Name: Edit the mute status of a connection.
2. Actors Involved: User, LinkedIn db.
3. Precondition: User must be logged into his MyLinkedIn profile and should be connected to that user what is to be muted.
4. Description: User can change the mute status for a user, so no posts are visible to the user of that particular user or if already muted can unmute.
5. Post Condition: Change the mute status in connections list of the user.

28. Follow a page:

1. Name: Follow a page.
2. Actors Involved: User, LinkedIn db, page.
3. Precondition: User must be logged into his MyLinkedIn profile.
4. Description: User should be able to follow a page and see the posts of the page on the user's news feed.
5. Post Condition: List of followers should be updated with the name of user and page name should be inserted to the list of pages followed by the user.

29. Follow a hashtag:

1. Name: Follow a hashtag.
2. Actors Involved: User, Linkedin db.
3. Precondition: User must be logged into his MyLinkedin profile.
4. Description: User should be able to follow a hashtag and see the posts with the hashtag used on the user's news feed.
5. Post Condition: List of hashtags should be inserted to the list of pages followed by the user.

30. Create a page:

1. Name: Create a page
2. Actors: page, Linkedin DB
3. Precondition: Page must have a valid and available page name.
4. Description: Basic details of the page such as name, username, password , email , phone number , website etc are asked and entered into the database.
5. Postcondition: New page is created and entered into database.

31. Edit page name:

1. Name: Change user name.
2. Actors: page, Linkedin DB
3. Precondition: Page must have a valid and available new page name.
4. Description: A page can change its name from one name to another valid page name.
5. Postcondition: New name of the the page is updated on the database.

32. Edit page photo:

1. Name: Edit page photo.
2. Actors Involved: page, Linkedin db.
3. Precondition: Page admin must be logged into page MyLinkedin profile.
4. Description: Page admin should be able to edit their page photo.
5. Post Condition: New page photo should be updated to the database and other users should be able to see the updated page photo.

33. Edit page wall photo:

1. Name: Edit page wall photo.
2. Actors Involved: page, Linkedin db.
3. Precondition: Page admin must be logged into page MyLinkedin profile.
4. Description: Page admin should be able to edit their page wall photo.

5. Post Condition: New wall photo should be updated to the database and other users should be able to see the updated page wall photo.

34. Edit page password:

1. Name: Edit page password.
2. Actors Involved: Page, Linkedin db.
3. Precondition: Page admin must be logged into page MyLinkedin profile.
4. Description: Page admin should be able to change their password.
5. Post Condition: New page photo should be updated to the database and other users should be able to see the updated page photo.

35. Edit profile intro:

1. Name: Edit profile intro.
2. Actors Involved: Page, Linkedin db.
3. Precondition: Page admin must be logged into page MyLinkedin profile.
4. Description: Page admin should be able to edit their profile intro of the page.
5. Post Condition: New page profile intro should be updated to the database and other users should be able to see the updated profile intro

36. Edit contact info:

1. Name: Edit contact info of the page.
2. Actors Involved: Page, Linkedin db.
3. Precondition: Page admin must be logged into page MyLinkedin profile.
4. Description: Page admin should be able to edit their contact info of the page, be it phone number or email id or website.
5. Post Condition: New page contact should be updated to the database and other users should be able to see the updated page contact.

37. Edit mute status of a page:

1. Name: Edit the mute status of a page.
2. Actors Involved: User, Linkedin db.
3. Precondition: User must be logged into his MyLinkedin profile and should be following the page that is to be muted.
4. Description: User can change the mute status for a page, so no posts are visible to the user of that particular page or if already muted can unmute.
5. Post Condition: Change the mute status in the pages followed list of the user.

38. Add work experience:

1. Name: Add work experience of a user.
2. Actors Involved: User, Linkedin db.
3. Precondition: User must be logged into his MyLinkedin profile.
4. Description: Users should be able to add work experience with the details like date of joining, job title, location, company etc and this should be shown as post to all the user's connections.
5. Postcondition: Work experience section should be updated and the connections should be able to see the new work ex update as a post on their wall.

39. Add license/certification:

1. Name: Add license or certification of the user.
2. Actors Involved: User, Linkedin db.
3. Precondition: User must be logged into his MyLinkedin profile.
4. Description: Users should be able to add license or certification with the details like date of issuing, issuer, title etc and this should be shown as post to all the user's connections.
5. Postcondition: License or certification section should be updated and the connections should be able to see the new license or certification update as a post on their wall.

40. Add volunteer experience:

1. Name: Add volunteer experience of the user.
2. Actors Involved: User, Linkedin db.
3. Precondition: User must be logged into his MyLinkedin profile.
4. Description: Users should be able to add volunteer experience with the details like date, title, organisation etc and this should be shown as post to all the user's connections.
5. Postcondition: Volunteer experience section should be updated and the connections should be able to see the new volunteer experience update as a post on their wall.

41. Add skill:

1. Name: Add skill of the user.
2. Actors Involved: User, Linkedin db.
3. Precondition: User must be logged into his MyLinkedin profile.
4. Description: Users should be able to add skill with the details like title, organisation etc.
5. Postcondition: Skill section should be updated.

42. Add Course:

1. Name: Add course of the user.
2. Actors Involved: User, Linkedin db.
3. Precondition: User must be logged into his MyLinkedin profile.

4. Description: Users should be able to add course studied by the user with the details like date, title, organisation etc and this should be shown as post to all the user's connections.
5. Postcondition: Course section should be updated and the connections should be able to see the new volunteer experience update as a post on their wall.