



Use Case: Registration

Primary Actor: User

Stakeholders: System, Admin

Preconditions: User is not already registered.

Main Flow:

1. User enters personal details (name, email, password, etc.).
2. System validates the input fields.
3. System sends an OTP to the user's email/phone for verification.
4. User enters the OTP.
5. System verifies the OTP and completes the registration process.
6. User receives a confirmation message.

Alternate Flows:

4a. Invalid OTP:

- System alerts the user.
- User is prompted to re-enter the correct OTP.
- Use case continues from Step 4.

4b. Existing Account:

- System detects that the email/phone number is already registered.
 - System notifies the user.
 - Use case ends.
-

Use Case: Login

Primary Actor: User

Stakeholders: System, Admin

Preconditions: User is already registered.

Main Flow:

1. User enters login credentials (email/phone and password).
2. System verifies the credentials.
3. System sends an OTP for two-factor authentication.
4. User enters the OTP.
5. System verifies the OTP and logs the user in.

Alternate Flows:

3a. Incorrect Password:

- System alerts the user.
- User is prompted to re-enter the password or reset it.
- Use case continues from Step 1.

4a. Invalid OTP:

- System alerts the user.
- User is prompted to re-enter the correct OTP.
- Use case continues from Step 4.

Use Case: View Posts

Primary Actor: User

Stakeholders: Other Users, System

Preconditions: User is logged in.

Main Flow:

1. User navigates to the feed section.
2. System fetches and displays posts from other users.
3. User scrolls through the posts.
4. User can like or comment on a post (optional).

Alternate Flows:**3a. No Posts Available:**

- System displays a message indicating the absence of posts.
- Use case ends.

4a. Like/Comment Fails:

- System detects an issue (e.g., user is banned, network error).
 - System alerts the user.
 - Use case ends.
-

Use Case: Create Post

Primary Actor: User

Stakeholders: Other Users, System

Preconditions: User is logged in.

Main Flow:

1. User clicks the "Create Post" button.
2. User enters content and/or uploads media.
3. User clicks the "Post" button.

4. System saves and publishes the post.
5. Post appears in the user's feed and is visible to other users.

Alternate Flows:

3a. Invalid Content:

- System detects restricted content (e.g., offensive material, spam).
 - System prevents the post and notifies the user.
 - Use case ends.
-

Use Case: Messaging

Primary Actor: User

Stakeholders: Other Users, System

Preconditions: Both users must be connected or allowed to message.

Main Flow:

1. User navigates to the messaging section.
2. User selects a contact.
3. User types a message and sends it.
4. System delivers the message to the recipient.

Alternate Flows:

3a. User Not Allowed to Message:

- System detects that the recipient has blocked the sender.
- System prevents sending and notifies the user.
- Use case ends.

Use Case: Discussion Forums

Primary Actor: User

Stakeholders: Other Users, System

Preconditions: User is logged in.

Main Flow:

1. User navigates to the discussion forum.
2. User browses or searches for a discussion topic.
3. User reads, replies, or creates a new discussion thread.

Alternate Flows:

3a. Restricted Content:

- System detects inappropriate content.
- System prevents submission and notifies the user.
- Use case ends.

Use Case: User Connections

Primary Actor: User

Stakeholders: Other Users, System

Preconditions: User is logged in.

Main Flow:

1. User navigates to the **Connections** section.
2. User searches for another user by name or username.
3. System retrieves and displays matching users.
4. User sends a connection request to another user.
5. System notifies the recipient of the request.

6. Recipient accepts or rejects the request.
7. If accepted, the system updates both users' connection lists.

Alternate Flows:

3a. No Matching Users Found:

- System informs the user that no results match the search.
- User modifies search criteria.
- Use case continues from Step 2.

5a. User Has Reached Connection Limit:

- System detects that the user has hit the maximum number of connections.
- System prevents the request and notifies the user.
- Use case ends.

6a. Recipient Ignores or Rejects the Request:

- System records the rejection or expiration of the request.
- Use case ends.

Use Case: Badges System

Primary Actor: User

Stakeholders: Admin, System

Preconditions: User is logged in.

Main Flow:

1. User performs an action that qualifies for a badge (e.g., making a certain number of posts, receiving likes, participating in discussions).

2. System detects the achievement.
3. System assigns a badge to the user's profile.
4. System notifies the user of the new badge.
5. User can view the badge in their profile.

Alternate Flows:

2a. User Does Not Meet Badge Criteria:

- System evaluates the user's actions but does not assign a badge.
- No notification is sent.
- Use case ends.

4a. Notification Delivery Fails:

- System fails to send a notification due to technical issues.
- User discovers the badge later in their profile.
- Use case continues from Step 5.

Use Case: Manage Users

Primary Actor: Admin

Stakeholders: Users, System

Preconditions: Admin is logged in.

Main Flow:

1. Admin accesses the user management section.

2. Admin searches for a user.
3. Admin can activate, deactivate, or modify user details.
4. System updates the user's status.

Alternate Flows:

2a. User Not Found:

- System alerts the admin that the user does not exist.
 - Use case ends.
-

Use Case: Content Moderation

Primary Actor: Admin

Stakeholders: Users, System

Preconditions: Admin is logged in.

Main Flow:

1. Admin navigates to the content moderation panel.
2. Admin reviews reported or flagged content.
3. Admin takes action (approve, edit, delete, or warn user).
4. System updates content status and notifies the user if necessary.

Alternate Flows:

3a. False Report:

- Admin determines the reported content is not a violation.
- System dismisses the report.
- Use case ends.

Use Case: Analytics Monitoring

Primary Actor: Admin

Stakeholders: System, Users

Preconditions: Admin is logged in.

Main Flow:

1. Admin navigates to the **Analytics Dashboard**.
2. System retrieves and displays key metrics (e.g., user activity, post engagement, new sign-ups).
3. Admin filters data by **date range, user category, or content type**.
4. Admin views reports and insights on user behavior.
5. Admin takes necessary actions based on the data (e.g., improving engagement strategies).

Alternate Flows:

2a. System Fails to Load Data:

- System detects an issue in retrieving analytics data.
- System alerts admin and suggests retrying later.
- Use case ends.

3a. No Data Available for Selected Filters:

- System notifies admin that no data matches the selected criteria.
- Admin modifies filter parameters.
- Use case continues from Step 3.

















