

Test Case and Scenario Report: Instagram Social Media Feed

This report outlines a comprehensive set of test cases and scenarios designed to validate the functionality of the push-notification and in-app notification system for Instagram's Social Media Feed. The testing process aims to ensure that users, represented by UserA and UserB, receive timely and accurate notifications for their interactions within the platform.

The scenarios are aligned with the provided feature story and acceptance criteria, covering essential functionalities such as post creation, likes, comments, replies, notification toggles, and more. The test cases are structured to validate the expected behavior of the Instagram application and guarantee a seamless user experience.

Test Cases and Scenarios:

1. Post creation Notification:

- **Scenario:** UserA creates a post on Instagram.
- **Test case:** Verify post creation Notification.
- **Precondition:** UserA and UserB are following each other on Instagram,
- **Steps:**
 1. UserA creates a post on Instagram,
- **Expected Result:** UserB receives both push and in-app notifications for the new post by UserA.

2. Like Notification:

- **Scenario:** UserB likes UserA's post on Instagram.
- **Test Case:** Verify Like Notification.
- **Precondition:** UserA has a post on Instagram, and UserB is following UserA.
- **Steps:**
 1. UserB likes UserA's post.
- **Expected Result:** UserA receives both push and in-app notifications for the like action by UserB.

3. Comment Notification:

- **Scenario:** UserA comments on UserB's post on Instagram.
- **Test Case:** Verify Comment Notification.
- **Precondition:** UserB has a post on Instagram, and UserA is following UserB.
- **Steps:**
 1. UserA comments on UserB's post.
- **Expected Result:** UserB receives both push and in-app notifications for the comment made by UserA.

4. Reply Notification:

- **Scenario:** UserB replies to a comment on the post made by UserA on Instagram.
- **Test Case:** Verify Reply Notification.
- **Precondition:** UserA has commented on UserB's post, and UserB is following UserA.
- **Steps:**
 1. UserB replies to the comment made by UserA.
- **Expected Result:** UserA receives both push and in-app notifications for the reply done by UserB.

5. Reply to Comment Notification:

- **Scenario:** UserA replies to a comment on the Instagram post made by UserB.
- **Test Case:** Verify Reply to a comment Notification.
- **Precondition:** UserB commented on UserA's post, and UserA is following UserB.
- **Steps:**
 1. UserA replies to the comment made by UserB.
- **Expected Result:** UserB receives both push and in-app notifications for the reply made by UserA.

6. Post Notification Toggle:

- **Scenario:** UserA turns off the notification for one of their posts on Instagram.
- **Test Case:** Verify Post Notification Toggle.
- **Precondition:** UserA has a post on Instagram, and notifications are initially turned on.
- **Steps:**
 1. UserA turns off notifications for the post.
 2. UserB likes or comments on the post.
- **Expected Result:** UserA does not receive any notifications for the actions on that post.

7. Automatic Post Notification Comment/Reply:

- **Scenario:** UserA comments on UserB's post on Instagram.
- **Test Case:** Verify Automatic Post Notification on Comment/Reply.
- **Precondition:** UserA has a post on Instagram, and UserB is following UserA.
- **Steps:**
 1. UserB comments on UserA's post.
- **Expected Result:** Notifications are automatically turned on for UserA's post and UserB, and UserA receives notifications for the action on that post.

8. Like/Dislike on Comment/Reply:

- **Scenario:** UserA likes a comment made by UserB on the post on Instagram.
- **Test Case:** Verify Like on Comment Notification.
- **Precondition:** UserB commented on UserA's post, and UserA is following UserB.
- **Steps:**
 1. UserA likes the comment made by UserB.
- **Expected Result:** UserB receives both push and in-app notifications for the action on the comment.

9. Multiple User's Notification:

- **Scenario:** UserA, UserB, and UserC are all involved in a post on Instagram with notifications turned on.
- **Test Case:** Verify Multiple Users Notification.
- **Precondition:** UserA has a post on Instagram, and UserB and UserC are following UserA.
- **Steps:**
 1. UserB likes the post, and UserC comments on the post.
- **Expected Result:** UserA, UserB, and UserC all receive app-notifications for actions on that post.

10. No Notification for Dislikes:

- **Scenario:** UserA dislikes a post or comment on Instagram.
- **Test Case:** Verify No Notification for Dislikes.
- **Precondition:** UserA has a post or comment on Instagram, and UserB is following UserA.
- **Steps:**
 1. UserA dislikes the post or comment.
- **Expected Result:** No push or in-app notifications are sent for dislikes.

These test cases cover various scenarios to validate the functionality of the push-notification and in-app notification system on Instagram; we ensure that users receive the appropriate notifications based on their interactions within the social media platform.