

## Practical - 03.

Subject - Software Testing and Quality Assurance.

Assignment title : - Write test cases in excel sheet for social media application or website.

Semester / Year : VII Sem, 4<sup>th</sup> Year.

Instructor : - Saiprasad Bhise.

Submission Date : 22/09/2025.

1) AIM:

To design, document and execute comprehensive functional test cases for the instagram application/website. The goal is to validate all key modules including login, post, stories, direct messaging, notifications, profile management search, explore, security features to ensure proper functionality, usability and reliability.

2) Requirements -

- Device or computer with internet access.
- Web browser (google chrome, firefox, safari), app.
- Stable internet.
- Test credentials.
- Test media files for posts, stories, and DMs (images, videos).
- Excel or google sheet for recording test cases and results.

3) Procedure:

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1. Prepare the excel sheet with all 50 test cases including fields such as TCID, Module, description, steps, data, expected and actual result, status and remarks.
2. Execute each test case manually on instagram using test credentials and media files.
3. Observe and record the behaviour of each module.
  - Login/signup - Validate correct details, error handling, blank fields, locked accounts
  - Home feed/post/stories: Validate scrolling, media upload
  - Direct messages - Test sending, receiving deleting, messages and media attachments.
  - Notification - Validate like comment, follow, and message notifications.
  - Profile management - Test profile view, edit, privacy settings, followers and following.
  - Search and explore - Validate user search, hashtag search and recommendations.
  - Security and settings - Test password change, logout, session timeout, blocking users, reporting posts and notification settings.
4. Compare: the actual result with expected result and mark pass or fail.

4] CONCLUSION:

A comprehensive set of 50 functional test cases was designed for instagram to cover key modules and features. Executing these test cases in an excel sheet with pass/fail outcomes will ensure reliable testing, improved quality and a seamless user experience.