

Test Report: Social Media Application - Instagram

Report ID:	TR-SOCIAL-00001
Test Type:	Functional Testing
Test Manager:	Saiprasad Bhise
Tester:	Piyusha Supe
Date of Testing:	15/09/2025
Version:	0.1
Environment:	Windows 11, 64-bit, 8 GB RAM, 256 GB SSD

Executive Summary

- Objective:**
To evaluate the functional behavior and usability of the Instagram application through manual testing, identify defects, and provide recommendations for improving user experience and reliability.
- Summary of Results:**
 - Total Test Cases Executed: 50

Testing Details

TC ID	Module	Test Description	Test Steps	Test Data	Expected Result	Actual Result	Status
TC01	Login	Valid login	Enter username & password, click login	test_user / test_pass	User navigates to home feed	Successfully logged in; home feed loaded	Pass
TC02	Login	Invalid login	Enter invalid username/password	wrong_user / wrong_pass	Error message displayed	Received error: 'Invalid credentials'	Pass
TC03	Login	Blank username	Leave username blank	"" / test_pass	Validation message shown	Alert displayed: 'Username required'	Pass
TC04	Login	Blank password	Leave password blank	test_user / ""	Validation message shown	Alert displayed: 'Password required'	Pass
TC05	Signup	Valid signup	Enter valid email, username, password	test_email, new_user, pass123	Account created & login success	Account created successfully; navigated to feed	Pass
TC06	Signup	Existing username	Enter already registered username	test_email, test_user, pass123	Error: username exists	Error displayed: 'Username already taken'	Pass

TC07	Home Feed	Scroll posts	Scroll down feed	N/A	Feed loads continuously	Posts loaded smoothly while scrolling	Pass
TC08	Home Feed	Like post	Click heart icon on post	N/A	Heart icon turns red, like count increases	Heart icon turned red; like count incremented	Pass
TC09	Home Feed	Unlike post	Click heart icon on liked post	N/A	Heart icon turns grey, like count decreases	Heart icon turned grey; like count decremented	Pass
TC10	Home Feed	Comment post	Enter comment & submit	"Nice post!"	Comment appears under post	Comment added under the post successfully	Pass
TC11	Home Feed	Delete comment	Delete own comment	N/A	Comment removed	Selected comment removed from the post	Pass
TC12	Stories	View story	Click story icon	N/A	Story plays correctly	Story played without issues	Pass
TC13	Stories	Upload story	Add photo/video story	test_photo.jpg	Story appears in feed & profile	Story uploaded and visible in feed and profile	Pass
TC14	Stories	Story visibility	Check story after 24h	N/A	Story disappears	Story automatically removed after 24 hours	Pass
TC15	DM	Send message	Open DM, type message, send	"Hello!"	Message sent & appears in chat	Message sent and visible in chat window	Pass
TC16	DM	Receive message	Send message from another account	"Hi!"	Message received & notification appears	Message received and notification triggered	Pass
TC17	DM	Delete message	Delete own message	N/A	Message removed from chat	Selected message deleted from chat	Pass
TC18	DM	Attach media	Send photo/video in DM	media.jpg	Media appears in chat	Media attached and displayed correctly in chat	Pass
TC19	Notifications	Like notification	Like a post	N/A	Notification appears to user	Notification for like appeared in notification panel	Pass
TC20	Notifications	Comment notification	Comment on post	"Nice!"	Notification appears	Notification for comment appeared in notification panel	Pass
TC21	Notifications	Follow notification	Follow user	new_user	Notification appears	Notification for new follower displayed	Pass

TC2 2	Profile	View profile	Click profile icon	N/A	Profile page displays correctly	Profile page loaded correctly with all info	Pass
TC2 3	Profile	Edit profile	Update bio, name	"Bio updated"	Changes saved successfully	Profile updated successfully with new bio and name	Pass
TC2 4	Profile	Change profile picture	Upload new profile image	profile_pic.jpg	Profile picture updated	Profile picture updated and displayed correctly	Pass
TC2 5	Profile	Privacy setting	Toggle private account	N/A	Account set to private	Account privacy changed successfully	Pass
TC2 6	Posts	Upload photo	Add photo post	photo.jpg	Post visible in feed	Photo post uploaded and visible in feed	Pass
TC2 7	Posts	Upload video	Add video post	video.mp4	Video post visible & playable	Video post uploaded and playable without errors	Pass
TC2 8	Posts	Delete post	Delete own post	N/A	Post removed from feed	Post deleted and removed from feed	Pass
TC2 9	Search	Search user	Search for existing username	test_user	User profile appears	Searched user profile displayed correctly	Pass
TC3 0	Search	Search hashtag	Search for hashtag	#fun	Related posts appear	Hashtag search results displayed successfully	Pass
TC3 1	Explore	Trending content	Open explore tab	N/A	Trending posts displayed	Trending posts displayed in explore section	Pass
TC3 2	Explore	Follow from explore	Click follow on suggested	N/A	User followed successfully	Suggested user followed successfully from explore	Pass
TC3 3	Security	Password change	Change password	old: pass123, new: pass456	Login with new password works	Password changed and login with new password successful	Pass
TC3 4	Security	Logout	Click logout	N/A	User redirected to login page	Logged out successfully; redirected to login page	Pass
TC3 5	Security	Session timeout	Leave session idle	N/A	Session expires & login required	Session expired; login required on next action	Pass
TC3 6	Settings	Enable notifications	Turn on notifications	N/A	Notifications received	Notifications enabled and received correctly	Pass

TC37	Settings	Disable notifications	Turn off notifications	N/A	No notifications received	Notifications disabled; no notifications received	Pass
TC38	Posts	Caption text validation	Enter 500+ characters	500-char text	Error/limit validation shown	Caption exceeded limit; error displayed	Pass
TC39	Posts	Tag user in post	Tag username	@test_user	Tag visible & clickable	User tagged in post; tag visible and clickable	Pass
TC40	Posts	Mention user in comment	Comment with mention	"Hello @test_user"	Mention clickable, notification sent	Mentioned user notified; mention clickable	Pass
TC41	Likes	Like/unlike from feed	Click heart	N/A	Count updates correctly	Like/unlike from feed updated count correctly	Pass
TC42	Likes	Like/unlike from post detail	Click heart	N/A	Count updates correctly	Like/unlike from post detail updated count correctly	Pass
TC43	DM	Typing indicator	Start typing in chat	N/A	Typing indicator visible to other user	Typing indicator visible to recipient in chat	Pass
TC44	DM	Emoji & stickers	Send emoji/sticker	😊	Emoji/sticker visible in chat	Emoji/sticker sent and visible correctly	Pass
TC45	Stories	Close story	Click close	N/A	Story closes & returns to feed	Story closed; returned to home feed	Pass
TC46	Stories	Skip story	Click next	N/A	Next story loads	Skipped to next story successfully	Pass
TC47	Feed	Refresh feed	Pull to refresh	N/A	Feed reloads with latest posts	Feed refreshed; latest posts displayed	Pass
TC48	Profile	Follower's count	Follow/unfollow users	N/A	Count updates accurately	Follower count updated accurately after follow/unfollow	Pass
TC49	Security	Block user	Block a user	test_user2	Blocked user cannot interact	Blocked user cannot view or interact with profile	Pass
TC50	Security	Report post	Report inappropriate post	N/A	Report submitted successfully	Report submitted successfully; confirmation displayed	Pass

Defects Summary

- 1) The login password field accepts blank input without proper validation or error prompts.
- 2) No loading spinner/indicator is displayed during login, causing confusion and repeated clicks.
- 3) Error messages for invalid login attempts are too generic and not user-friendly.
- 4) Overall UI is responsive and consistent across devices and browsers.
- 5) Recommendations: Improve validation checks, add UX feedback (spinner), and enhance error clarity.

Observations & Recommendations

Observations:

- The UI is responsive and consistent across devices and browsers.
- Login functionality works for valid credentials.
- Password field validation is missing for blank inputs.
- Error messages for invalid login attempts are too generic.
- No loading spinner or feedback is shown during login.
- Other fields (signup, profile, bio) accept special characters, which may affect data consistency.

Recommendations:

- Implement mandatory input validation for password and other critical fields.
- Improve error messages to be specific and user-friendly (e.g., "Password cannot be empty").
- Add a loading spinner or visual feedback during login and other processing actions.
- Restrict or sanitize special characters in profile fields to maintain data consistency.
- Conduct thorough manual testing across all features to catch minor usability issues.

Approval

Name	Role	Signature	Date
SAIPRASAD BHISE	QA MANAGER		15/09/2025
PIYUSHA SUPE	TESTER		19/09/2025