🧪 Manual Test Plan for WhatsApp

1. Test Plan Identifier  
   WhatsApp-TestPlan-v1.0
2. Introduction  
   This test plan describes the strategy and approach for manually testing the core functionalities of the WhatsApp application, including messaging, media sharing, notifications, and contact management.
3. Objectives

* Verify that WhatsApp functions correctly across its main features.
* Validate user interface elements and user experience on mobile platforms.
* Ensure data integrity, performance, and error handling.
* Identify and document defects prior to deployment.

1. Scope of Testing

In-Scope:

* Text, voice, and video messaging.
* Media sharing (images, documents, videos).
* Group chat and broadcast features.
* Notifications and call alerts.
* Status update functionality.
* Contact sync and blocking.
* UI/UX validation on Android and iOS.

Out of Scope:

* Backend load testing.
* Third-party integrations or analytics.

1. Test Items

* Chat Functionality
* Group Chat
* Voice & Video Calls
* Status Updates
* Media Attachments
* Settings (Privacy, Notifications)
* Contact Management

1. Features to be Tested

* One-to-one chat: Send, receive, delete, and forward messages.
* Group chat: Create group, add/remove members, admin control.
* Multimedia messaging: Share photos, videos, documents.
* Calls: Initiate and receive voice/video calls.
* Status: Create, view, and delete status updates.
* Notification behavior: While app is open and closed.
* Privacy settings: Block contacts, hide last seen/status/profile photo.

1. Features Not to be Tested

* Cloud backup functionality.
* Integration with business APIs or WhatsApp Web.

1. Test Strategy

Test Types:

* Smoke Testing
* Functional Testing
* Regression Testing
* UI Testing
* Usability Testing
* Negative Testing

Test Design Techniques:

* Equivalence Partitioning
* Boundary Value Analysis
* Exploratory Testing

1. Entry Criteria

* Code freeze for current release.
* Build deployed to staging or QA environment.
* Test cases reviewed and approved.

1. Exit Criteria

* All major test cases executed.
* All critical and high-severity bugs resolved.
* Test summary report delivered.
* Product owner approval received.

1. Test Deliverables

* Test Plan document
* Test case documents (Excel or TestRail)
* Defect logs
* Test summary and execution reports

1. Schedule & Milestones

* Test Planning: May 5–6, 2025
* Test Case Creation: May 7–8, 2025
* Test Execution: May 9–13, 2025
* Bug Fix Verification: May 14–15, 2025
* Test Closure Report: May 16, 2025

1. Resources

* Testers: 2 Manual QA Engineers
* Tools: Android/iOS Devices, Excel, Jira, TestRail

1. Risks & Mitigation

* Delay in build deployment → Communicate early with Dev team.
* Device compatibility issues → Use emulators/simulators if needed.

1. Approvals

* QA Lead: [Akanksha Kumbhar]
* Project Manager: [Yogesh Shahade
* Product Owner: [Venkatesh Bonagiri]