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Date: 05/05/2025

Test Plan Document - WhatsApp Web Application

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1. Introduction

This test plan covers the strategy, scope, resources, and schedule for testing the WhatsApp Web Application to ensure it meets the functional and non-functional requirements.

2. Scope

Testing focuses on core features such as:

- QR code login
- Sync with mobile app
- Sending/receiving messages
- Media sharing
- Status view
- Notifications
- Logout functionality

+ Out of Scope:

- WhatsApp mobile app testing
- Voice/video calls (currently unsupported on web)
- Business features (Catalog, Payments)
- Third-party integrations or extensions

3. Test Objectives :

- Verify that users can log in via QR code scanning.
- Ensure chat messages sync correctly with mobile.
- Validate media sharing (images, videos, docs).
- Check stability across browsers.

4. Test Environment :

- Browsers: Chrome, Firefox, Edge
- OS: Windows, macOS
- WhatsApp Mobile (Android/iOS)

5. Defect Reporting Procedure :

- The criteria for identifying a defect, such as deviation from the requirements, user experience issues, or technical errors.
- The **steps for reporting a defect**, such as using a designated template, providing detailed reproduction steps, and attaching screenshots or logs.
- The **process for triaging and prioritizing defects**, such as assigning severity and priority levels, and assigning them to the appropriate team members for investigation and resolution.
- The **tools and systems** that will be used for tracking and managing defects, such as a defect tracking software or a project management tool.
- The **roles and responsibilities of the team members** involved in the defect reporting process, such as testers, developers, and the test lead.
- The **communication channels** and frequencies for updating stakeholders on the progress and status of defects.

6. Test Strategy :

- Types of Testing: Functional, UI, Usability, Compatibility, Security
- Test Design Technique: Boundary value, Equivalence partitioning, Exploratory

7. Test Deliverables :

- Test Plan
- Test Cases Document
- Bug Report
- Test Summary Report

8. Test Schedule :

Activity	Start Date	End Date
Test Planning	29/04/2025	29/04/2025
Test Design	30/04/2025	30/04/2025
Environment Setup	01/05/2025	01/05/2025
Test Execution	02/05/2025	02/05/2025
Defect Retesting	03/05/2025	03/05/2025
Test Closure	04/05/2025	04/05/2025

9. Entry & Exit Criteria :

- **Entry Criteria:**

- Stable build deployed to QA environment
- Mobile app available for QR sync
- Test data prepared
- Test plan approved

- **Exit Criteria:**

- All critical test cases executed
- All critical bugs closed or accepted with mitigation
- Test summary signed off

10. Tools :

The following are the list of Tools we will be using in this Project:

- JIRA Bug Tracking Tool
- Mind map Tool
- Word and Excel documents

11. Risks and Mitigation :

- Risks: QR code not scanning due to app issue
- Mitigation: Use multiple mobile devices as fallback
- Risks: Inconsistent network affecting sync
- Mitigation: Use simulator or offline test cases

12. Approvals :

- Test Plan
- Test Scenarios
- Test Cases
- Reports

Testing will only continue to the next steps once these approvals are done