

LOGO Here

Test Plan for Example Group Chat Feature

Version History

Version	Revised By	Summary	Approval	Date
1.0	Talha Khan	Test plan for Example App Group Chat Feature		1-15-2025

Requirement Reference

Test plans and test cases are developed based on these documents.

Document	Links
Requirement Document	https://docs.google.com/document/d/
Figma	https://www.figma.com/design/

1. Introduction

This test plan outlines the testing strategy, scope, objectives, and deliverables for the Group Chat feature of the application. The Group Chat feature enables players to communicate with teammates and public players who participated in the match. The plan ensures thorough testing to deliver a high-quality product.

2. Scope of Testing

2.1 In Scope

- **Functionality testing of:**
 - Chats tab features (pin, delete, block, global search, plus button, swipe options).
 - Group Chats tab features (create group, edit group, delete group, add members, group chat functionality).
 - Teammates tab features (chat, view profile, block user).
 - Kebab menu options for group creators and members.
 - Notifications for various actions (group deletion, invite acceptance/rejection, member removal).
- **UI/UX testing of:**
 - Global search functionality and result display.
 - Swipe actions and their responsiveness.
 - Layout of chat and group screens.
- **Compatibility testing across:**
 - Various devices and screen resolutions.
 - Different operating systems (iOS and Android).
- **Performance testing:**
 - Response time for loading chats, groups, and teammates.
 - Handling of large numbers of chats and groups.
- **Security testing:**
 - Block and unblock functionality.
 - Privacy and access control for group chats.
 - Data handling during chat deletion and group removal.

2.2 Out of Scope

- Backend APIs (already covered in API testing).
 - Features unrelated to the Social tab.
 - Integration testing with external services.
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3. Test Objectives

- Verify that all functional requirements for the Group Chat feature are met.
- Ensure seamless user experience and intuitive navigation.
- Validate that no unauthorized access to blocked or deleted chats/groups occurs.
- Confirm that performance and responsiveness meet acceptable standards.
- Identify and resolve any defects or inconsistencies.

Roles and Responsibilities

S.No	Role	Description
1.	Manager	<ul style="list-style-type: none">• Review and approve test cases.• Oversee the testing process and ensure alignment with project requirements.• Ensure timely delivery of testing phases, providing guidance and support where necessary
2.	SQA	<ul style="list-style-type: none">• Prepare detailed test cases based on project specifications and requirements.• Execute test cases, ensuring comprehensive test coverage and defect identification.• Report identified issues, including severity and reproduction steps, to the development team.• Collaborate with developers to verify fixes and ensure proper resolution of reported issues.

4. Test Strategy

4.1 Testing Levels

- **Unit Testing:** Ensure individual components work as expected (handled by developers).
- **Integration Testing:** Verify integration between the Group Chat feature and other app modules.

- **System Testing:** Comprehensive testing of all functional and non-functional aspects.
- **Regression Testing:** Validate that new changes don't impact existing functionality.

4.2 Testing Types

- Functional Testing
 - UI/UX Testing
 - Performance Testing
 - Compatibility Testing
 - Security Testing
 - Usability Testing
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5. Test Environment

5.1 Required Tools

- Test management tools: Google Docs.
- Bug tracking tools: Jira

5.2 Test Devices

- **Smartphones: (Physical Devices)**
Windows 11 PC; MacBook Air (M1, 2022); Android (physical): Pixel 7, Samsung A32, Vivo Y21d, Samsung Note 21; iPhone (physical): 11 Pro Max, 12, 14 Pro Max, Air (7th Generation) V.17.6, Galaxy tab S5e.
 - **Emulator:**
iPad Pro, Samsung Galaxy Note 20 Ultra OS 13.0, Samsung Galaxy S20 Ultra OS 13.0, Samsung A32 OS 13.0, Samsung Galaxy S8+ OS 9, Oppo A5 OS 9.0
 - **Operating Systems:** iOS 15+, Android 11+
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6. Test Deliverables

6.1 Documents

- Test Plan
- Test cases and test scripts.
- Test execution reports. (Include in Test Cases)
- Bug reports.
- Final test summary report.

6.2 Reports

- Test Progress Reports: Shared weekly.
- Final Test Report: Shared post-testing phase.

6.3 Bug Reporting include

Upon Occurrence of any issue faced or bug detected during the relative testing procedures, the tester will report all the bugs.

The components of the Bug Report will include:

- A self-descriptive summary of the Issue
 - Steps to reproduce the Issue
 - A detailed statement of the Observed Behavior.
 - Acceptance Criteria / Expected Outcome in Case of Normal Behavior.
 - Related Evidence including Screenshots and Videos
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7. Defect Management

- All defects will be logged in Jira with detailed information.
 - Defect priority and severity will be assigned.
 - Defects will be tracked until resolution.
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8. Testing Time Estimate

For QA Tester: (DEV Environment)

1. **Requirement Analysis:** 2-3 days
2. **Test Case Design:** 4-5 days
3. **Test Execution:** 6-7
4. **Defect Reporting and Retesting:** 3-4 days
5. **Final Reporting and Documentation:** 2 days

Total Time for One QA: 17-21 days

For QA Testers (Production Environment):

1. **Test Execution:** 1-2 days
2. **Defect Reporting and Retesting:** 1-2 days
3. **Final Reporting and Documentation:** 1 day

Total Time for Two QA: 3-5 days

9. Problem Severity Classification

Severity	Description
1 (Critical)	Prevents major functionalities or renders the feature unusable.
2 (High)	Major issues impact functionality, but there are possible workarounds.
3 (Medium)	Minor issues with moderate frequency or low functional impact.
4 (Low)	Cosmetic issues or minor inconveniences affect a few users.

10. Pass/Fail Criteria

- A test case passes if the actual results match the expected outcomes.
 - A test case fails if discrepancies are found between the actual and expected outcomes.
 - The feature can only be approved if all critical and high-severity issues are resolved in Jira.
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11. Final Test Report

- Summarizes test execution and defect resolution status.
 - Provides insights into unresolved issues and risks.
 - Includes a sign-off section for project stakeholders.
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12. Exit Criteria

- All planned test cases are executed.
 - No critical or high-severity defects remain unresolved. (Jira)
 - Test coverage exceeds 95% of requirements.
 - Stakeholder approval is obtained.
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13. Sign-Off

- SQA Approval: _____
- Project Manager Approval: _____