

Test Summary Report

mobile app Shopping-list

27/01/2025 - 10/02/2025

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1. Purpose

The purpose of this testing was to evaluate the functionality, usability, and stability of the mobile application **Shopping-list**. The focus was on identifying defects related to task management, error handling, and UI consistency. This testing ensures that the application meets quality standards before release.

2. Application Overview

The **Shopping-list** mobile application is designed to help users efficiently manage their daily tasks. It provides a simple interface for adding, editing, and completing tasks while ensuring data validation and persistence. The app follows key usability principles, ensuring a smooth user experience with minimal effort.

3. Testing Scope

In Scope

- Functional testing of task creation, editing, completion, and deletion.
- Validation testing for empty, numbers, long, and non-Cyrillic tasks.
- UI/UX testing, including button labels, error messages, and layout consistency.
- Data persistence testing after app restart.
- Compatibility testing on **Google Pixel 6, Android 15**.
- Testing the application's behavior when switching between portrait and landscape modes.

Out of Scope

- Performance testing, including app response time and load testing.
- Security testing (e.g., data encryption, authentication mechanisms).
- Compatibility testing on devices other than **Google Pixel 6**.
- Network testing, including behavior with poor or no internet connection.
- Multi-user or cloud synchronization testing.

Items Not Tested

- Integration with third-party services or APIs.
- Push notifications and background task execution.
- Accessibility testing for visually impaired users.
- App performance under extreme conditions (e.g., low battery, low memory).

4. Bug Summary

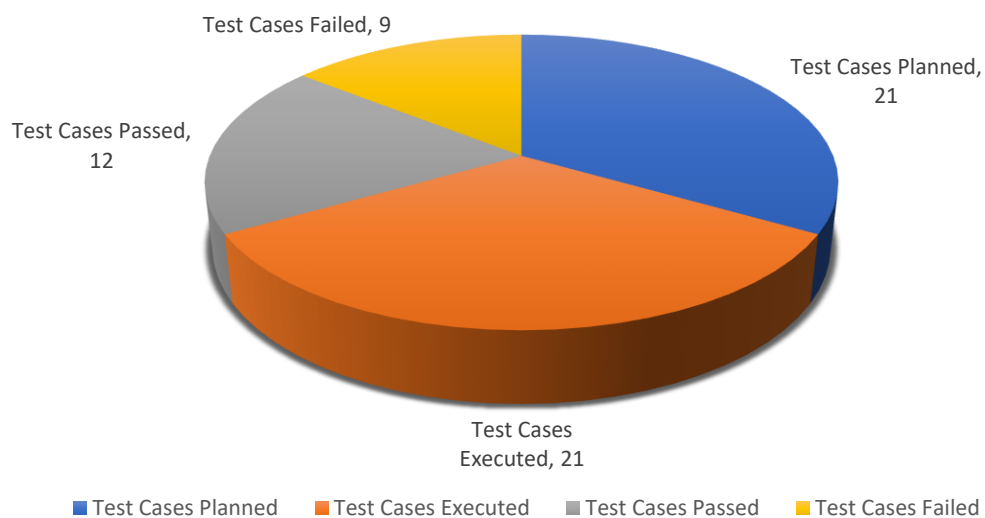
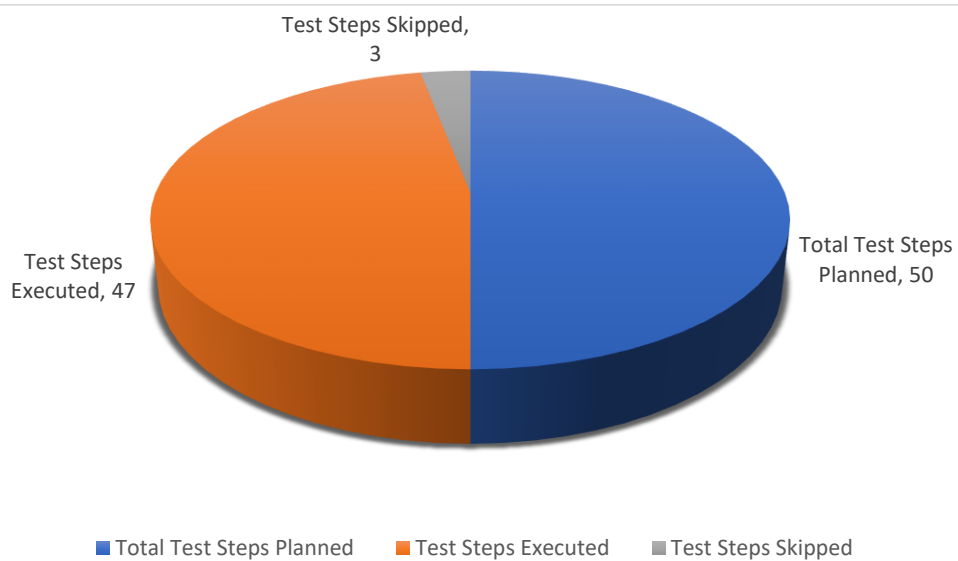
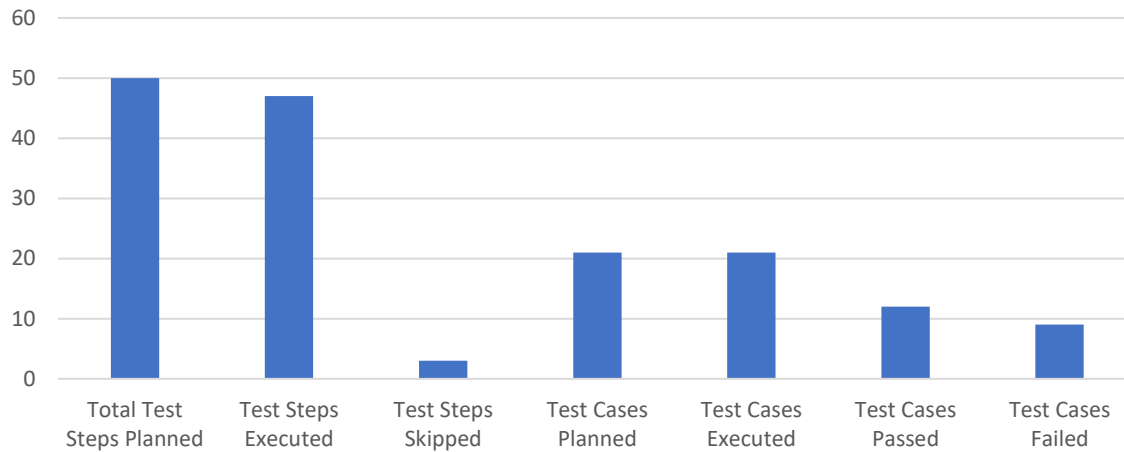
Priority	Bug ID	Description
M	G9-1162	Completed task marks reset when scrolling or changing screen orientation to landscape.
M	G9-1166	"Delete" button appears instead of "Удалить" after creating a new task.
H	G9-1167	No error message appears when adding more than 10 tasks.
H	G9-1168	No error message appears when editing a task with numbers.
H	G9-1169	No error message appears when editing a task with Cyrillic characters and digits.
H	G9-1170	No error message appears when editing a task with Cyrillic, Latin characters, and digits.
H	G9-1171	No error message appears when editing a task with 26 Cyrillic characters.
H	G9-1172	No error message appears when editing a task with Latin characters.
H	G9-1173	No error message appears when editing a task with both Cyrillic and Latin characters.

5. Metrics

Test Case Execution

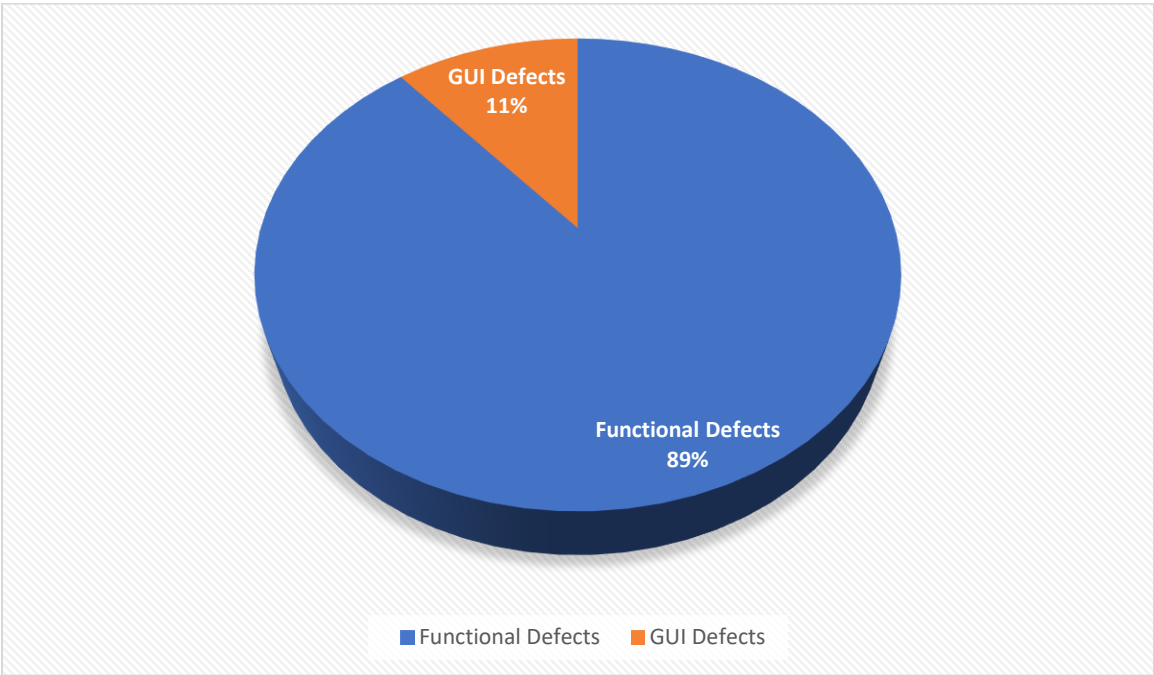
Metric	Value
Total Test Steps Planned	50
Test Steps Executed	47
Test Steps Skipped	3
Test Cases Planned	21
Test Cases Executed	21
Test Cases Passed	12
Test Cases Failed	9

Test Case Execution



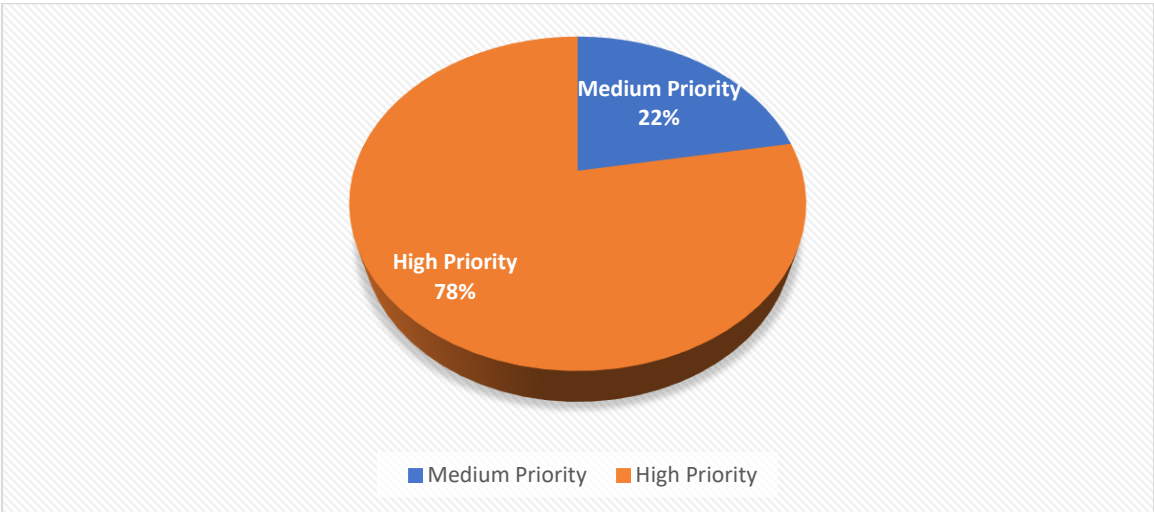
Defects Identified

Metric	Value
Functional Defects	8
GUI Defects	1
Total Defects Identified	9



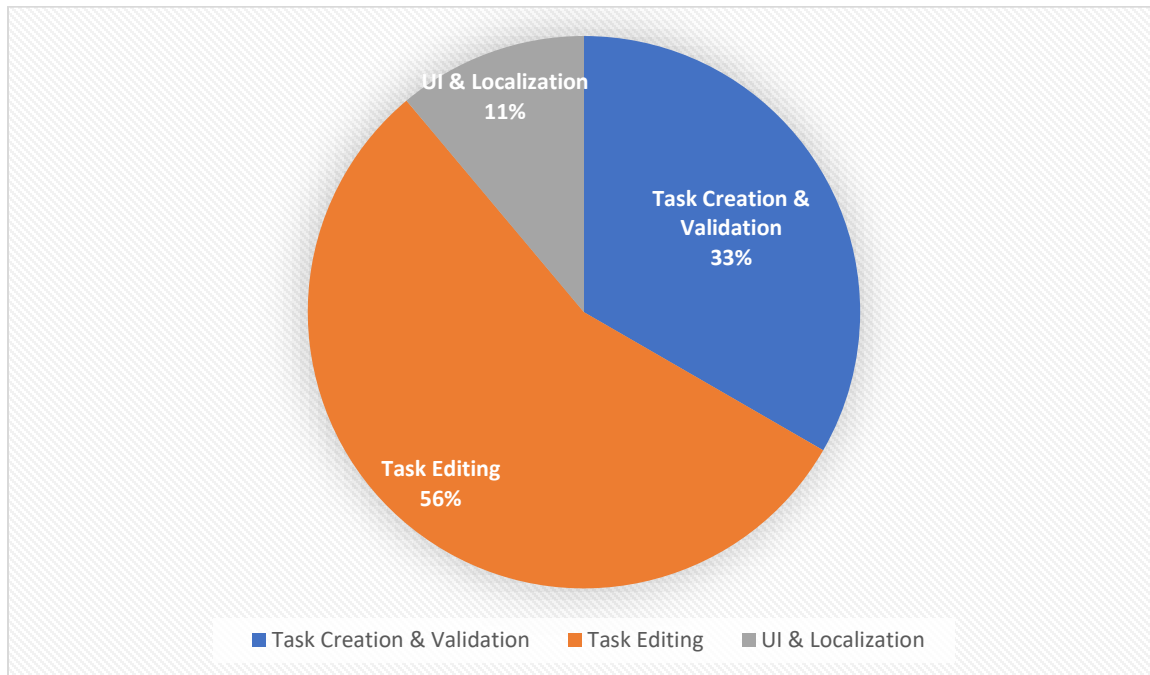
Defect Severity

Metric	Value
Medium Priority	2
High Priority	7



Defects Distribution – Module-wise

Metric	Value
Task Creation & Validation	3
Task Editing	5
UI & Localization	1



6. Types of Testing Performed

Installation & Launch Testing

- Installed via .apk file.
- Launched from Home screen and Recents screen.

Interruption Testing

- Tested app behavior during calls, messages, notifications, and device events (charging, headphone connection, screen lock).

UI & Compatibility Testing

- Skipped tests for screen sizes and OS versions.
- Validated UI elements like text field, buttons, checkboxes.

Functional Testing

- Verified task creation, editing, deletion, and completion.
- Ensured error messages for invalid tasks.

Data Persistence Testing

- Skipped saving tasks in local storage.
- Verified tasks reload after app restart.

Error Handling Testing

- Checked invalid inputs and task limits (25 characters, 10 tasks).

Task Management

- Validated task editing, deletion, and completion via checkbox.

7. Test Environment & Tools

- **Device:** Google Pixel 6
- **Operating System:** Android 15
- **Tools:** Android Studio

8. Lessons Learnt

Key lessons from the testing process emphasize the importance of robust error handling, especially for invalid task inputs. Ensuring data persistence and UI consistency across devices is crucial for maintaining a smooth user experience. Interruptions like calls and notifications should be well-handled to avoid disruptions. Additionally, managing task limits and providing clear feedback to users are essential for the app's reliability and usability. These insights will guide future improvements and contribute to a more reliable app.

9. Recommendations

The testing identified several critical issues related to task management and validation messages. It is recommended to:

- Fix error message handling when exceeding task limits or editing tasks with different character types.
- Address UI inconsistencies, ensuring language consistency.
- Conduct regression testing after bug fixes to validate resolutions.

10. Best Practices

To ensure a high-quality app, it's essential to focus on comprehensive test coverage, including key features like task management and error handling. Testing on multiple devices and OS versions guarantees consistency, while clear error messages and a responsive UI improve user experience. Data persistence must be prioritized to maintain access to tasks after app restarts or interruptions. Additionally, optimizing task management and ensuring smooth transitions between states will help deliver a seamless, user-friendly app.

11. Exit Criteria

Test Case Execution: All planned test cases have been executed with at least 90% completion.

Critical Defects Resolved: All high-priority defects have been addressed and resolved.

Regression Testing: Successful regression testing after bug fixes, ensuring no new issues were introduced.

Stability: The app shows consistent performance without crashes or significant issues across all tested scenarios.

Approval: The mobile app meets all functional and non-functional requirements as per the test plan, and no major blockers remain.

12. Conclusion / Sign Off

The testing for the mobile app has been completed, with all major functionalities tested and validated. While several issues were identified, most critical defects were resolved, and the app showed stable performance across different scenarios. All exit criteria have been met, and the app is ready for release with minor improvements and optimizations recommended.

Sign Off:

Test Lead: Stan Tokarev

Date: 04/02/2025