System Test Report

Test Summary

This system test report evaluates the overall functionality of the Weather Time application by integrating all tested components. It ensures the system meets functional requirements and performs as expected across different scenarios.

Component Test Confirmation

Before conducting system testing, individual component tests were performed and approved. The following components were verified:
- Add City Page
- Main Page
- Settings Page

All component tests passed successfully.

System Test Cases

Test Case 1: Application Startup

Scenario: The app launches successfully and displays the main page.

Expected Result: The main page loads without issues.

Actual Result: The application launched successfully.

Status: ✅ Passed

Test Case 2: Add City Functionality

Scenario: The user adds a new city using the search feature.

Expected Result: The selected city appears on the main page.

Actual Result: The city was successfully added.

Status: ✅ Passed

Test Case 3: Settings Adjustments

Scenario: The user modifies text size, temperature unit, and brightness settings.

Expected Result: The app updates the settings accordingly.

Actual Result: Settings adjustments worked as expected.

Status: ✅ Passed

Issue Encountered and Fix Applied

During testing on real Android devices, the Settings page would stop working after adding a city to the main screen. This issue was identified as a layout styling problem in the Main Page.

Fix Applied:

To resolve this, we updated the Main Page's layout styling by adding `flex: 1` inside the `FlatList` to ensure proper rendering and prevent the settings page from crashing.

Status: ✅ Issue resolved

Final Approval

All team members have reviewed and approved this system test. The application meets all functional requirements and is ready for deployment.