

Test Case Document: Medication Tracker App

Project Name: Medication Tracker
Developer: Abdul Qadir, Laiba, Hassan
Date: 07/05/2025
Document: Test Case Document

Introduction

This document defines and describes the testing performed on the Medication Tracker mobile application built using React Native. It includes the test cases designed to verify the correct functionality of the app and the corresponding results.

Test Cases

Test Case ID	Feature	Test Steps	Expected Result	Actual Result	Status
TC-01	Sign Up - Valid Inputs	Open app → Go to Sign Up → Enter valid details → Submit	User account is created and redirected to Login page	User account is created and redirected	Pass
TC-02	Sign Up - Invalid Email	Open app → Go to Sign Up → Enter invalid email → Submit	Error message: "Invalid email"	Error message: "Invalid email" shown	Pass
TC-03	Sign Up - Passwords Don't Match	Open app → Go to Sign Up → Enter mismatched passwords → Submit	Error message: "Passwords do not match"	Error message: "Passwords do not match" shown	Pass
TC-04	Sign Up - Empty Fields	Open app → Go to Sign Up → Leave fields empty → Submit	Error: "Please fill all the details"	Error shown for empty fields	Pass
TC-05	Login	Open app → Enter correct login → Press Login	User logs into Home Page	User navigated to Home Page	Pass

TC-06	View Home Calendar	After login, check calendar is visible	Calendar displays current month	Calendar shows current month	Pass
TC-07	View Today's Medicines	After login, medicines scheduled for today are listed	Medicine list for today appears correctly	Correct list shown	Pass
TC-08	Medicine Action - Taken	Tap on a listed medicine → select "Taken" → Save	Status updates to "Taken"	Status updated as "Taken"	Pass
TC-09	Medicine Action - Skipped	Tap on a listed medicine → select "Skipped" → Save	Status updates to "Skipped"	Status updated as "Skipped"	Pass
TC-10	Add New Medication	Go to Add Med page → Fill form → Submit	New med appears for correct future dates	Medication added and listed correctly	Pass
TC-11	Form Validation	Try submitting Add Med form with missing fields	Error/validation message appears	Error shown for missing fields	Pass
TC-12	Add Medication - Empty Name	Open Add Med form → Leave Name field empty → Submit	Error message: "Please complete all fields."	Error message shown	Pass
TC-13	Add Medication - Invalid Dosage	Open Add Med form → Enter non-numeric dosage → Submit	Error message: "Please enter a valid dosage"	Form accepts input, no error shown	Pass
TC-14	Add Medication - Invalid Dates	Open Add Med form → Enter end date earlier than start date → Submit	Error message: "End date must be after start date"	Error message shown	Pass
TC-15	Add Medication - Missing Time to Take	Open Add Med form → Leave "Time to Take" empty → Submit	Error message: "Please complete all fields."	Error message shown	Pass
TC-16	Profile Page - Current Medications	Open Profile → Check Current Medications list	List displays active medications	Active medications shown	Pass

TC-17	Profile Page - Medication History	Open Profile → Check History section	Shows correct Taken/Skipped logs for last 7 days	Accurate history displayed	Pass
TC-18	Logout	Tap Logout on Profile Page	User is logged out and returned to Login Screen	Redirected to Login screen	Pass

Summary

- **Total Test Cases:** 18
 - **Passed:** 18
 - **Failed:** 0
 - **Overall Result:** All critical functionality has been verified and is working as expected.
-