

StudyNoters App – Testing Report

Internship Test -Report Submission

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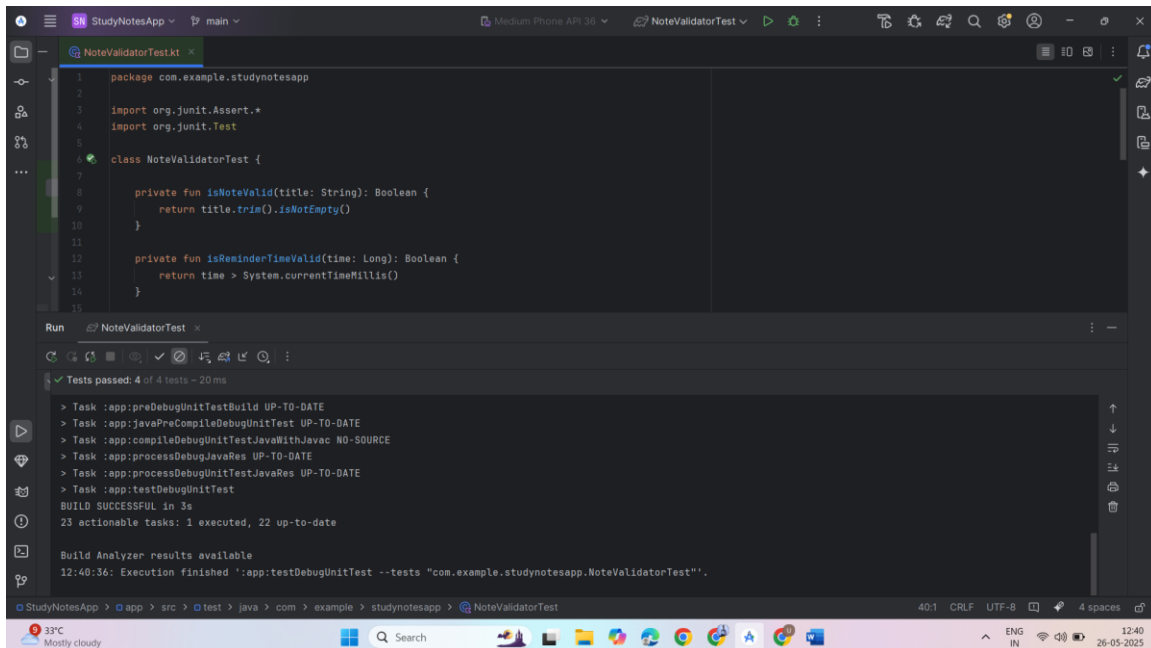
Unit Testing Summary

We used JUnit in Kotlin to validate the following:

- ☑ Note title should not be empty
- ☑ Reminder time must be in the future

Result: All unit tests passed successfully.

 Screenshot:



```
1 package com.example.studynotesapp
2
3 import org.junit.Assert.*
4 import org.junit.Test
5
6 class NoteValidatorTest {
7
8     private fun isNoteValid(title: String): Boolean {
9         return title.trim().isEmpty()
10    }
11
12    private fun isReminderTimeValid(time: Long): Boolean {
13        return time > System.currentTimeMillis()
14    }
15
16 }
```

Run NoteValidatorTest

Tests passed: 4 of 4 tests - 20 ms

> Task :app:preDebugUnitTestBuild UP-TO-DATE
> Task :app:javaPreCompileDebugUnitTest UP-TO-DATE
> Task :app:compileDebugUnitTestJavaWithJavac NO-SOURCE
> Task :app:processDebugJavaRes UP-TO-DATE
> Task :app:processDebugUnitTestJavaRes UP-TO-DATE
> Task :app:testDebugUnitTest
BUILD SUCCESSFUL in 3s
23 actionable tasks: 1 executed, 22 up-to-date

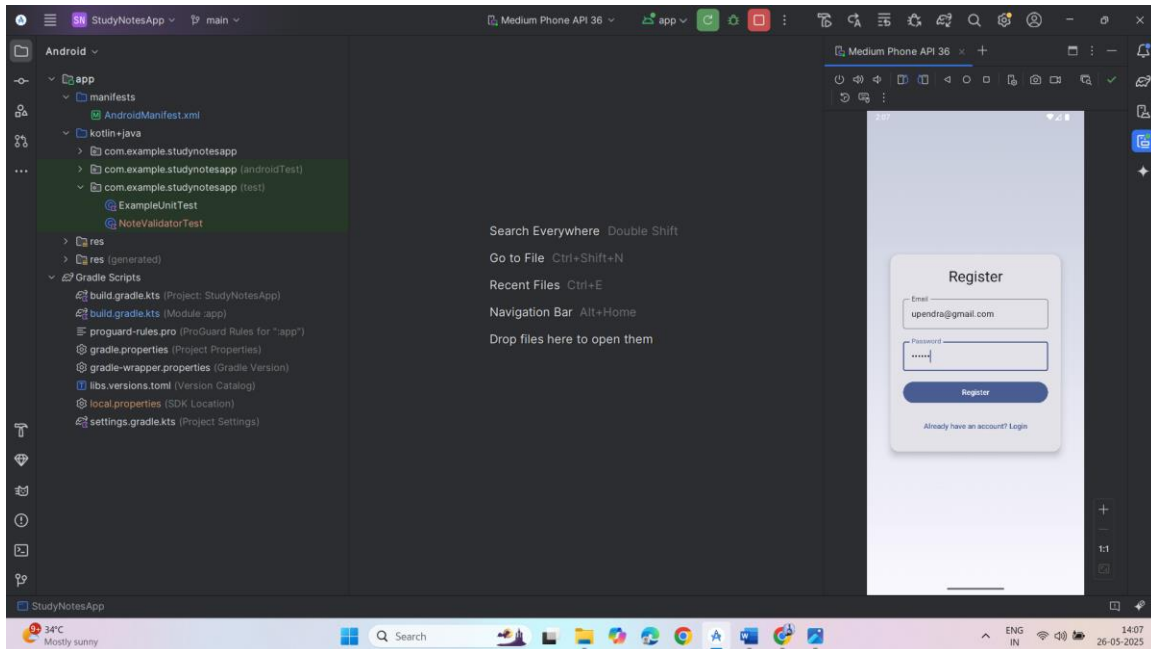
Build Analyzer results available
12:40:36: Execution finished ':app:testDebugUnitTest --tests "com.example.studynotesapp.NoteValidatorTest"'.
40:1 CRLF UTF-8 4 spaces

StudyNoters - Manual Test Case Report

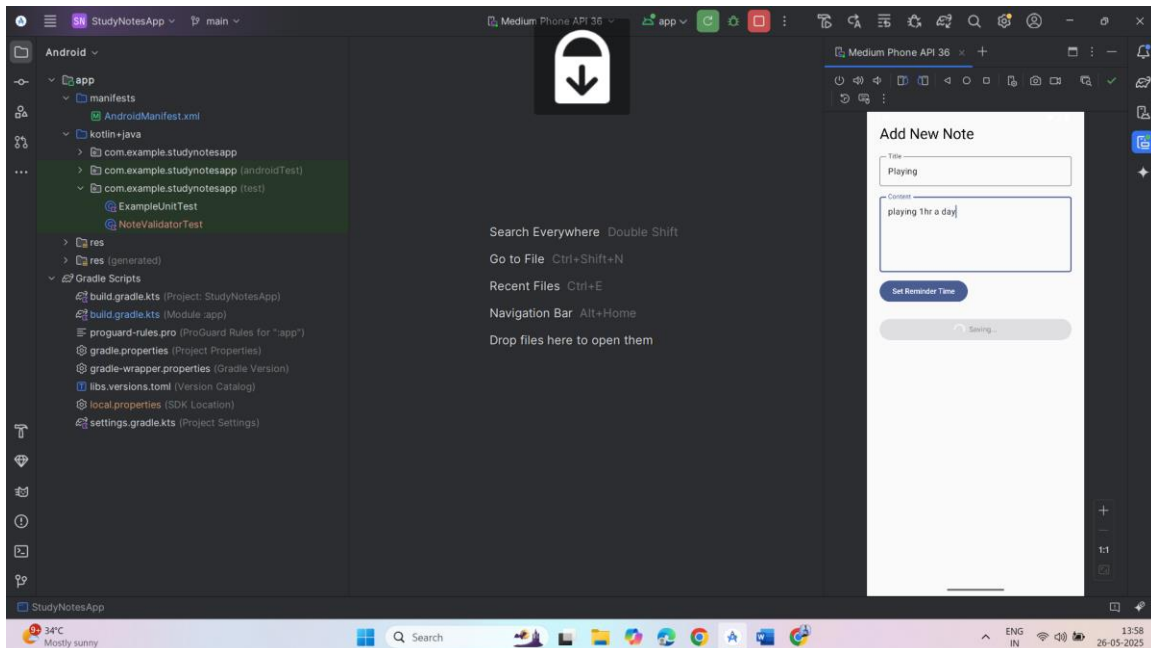
Test Case ID	Description	Steps	Expected Result	Status
TC001	User registration	1.Open app 2.Click on Registration 3.Enter Email &Password 4.Submit	Account created and user navigated to home	Pass
TC002	Add note without Reminder	1.After Login Click on add note 2.Click on save without Reminder	Note saved and user returns to home	Pass
TC003	Add note with Reminder	1.After Login Click on add note 2.click on save by setting Reminder	Notification fires at correct time	Pass
TC004	Delete note	1.After Login Click on view notes 2.Delete symbol is Displayed 3.clickon it	Note deleted and removed from list	Pass
TC005	Firebase push notification	1.Open your Firebase account 2.Go to Messaging and send a message by adding note	Notification is received and displayed	Pass
TC006	Exact alarm permission (Android 12+)	Save note with Reminder	Permission requested if needed	Pass
TC007	Logout functionality	1.After Login click on Menu 2.clickon Logout	User is logged out and redirected to Login screen	Pass

Screenshots Section

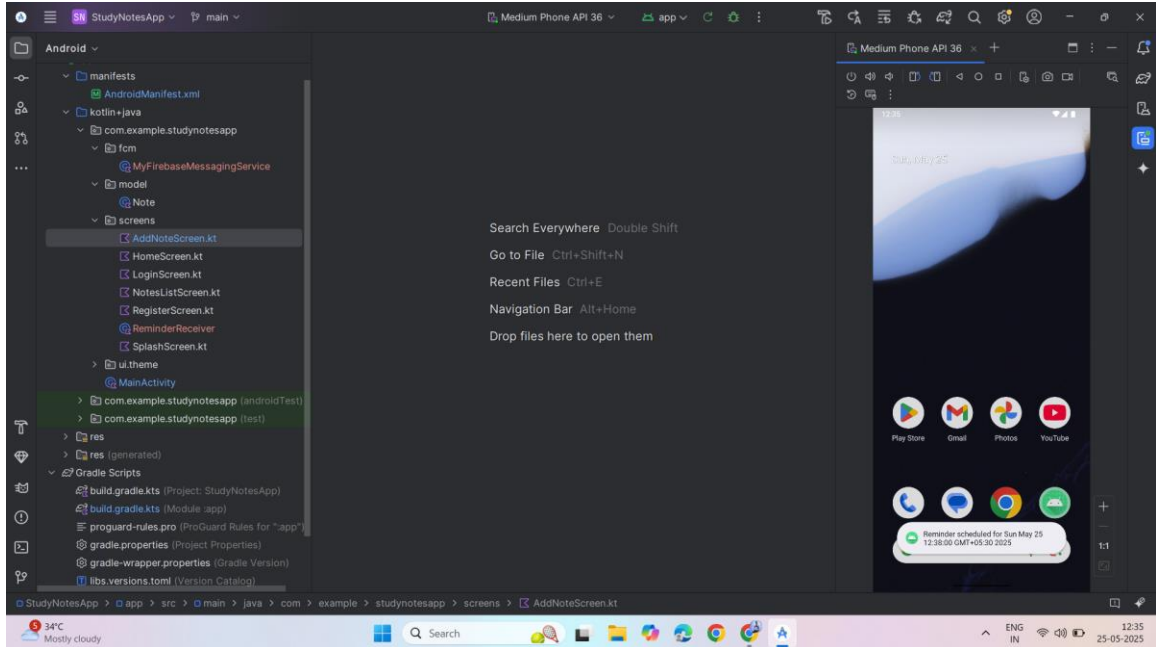
Test Case TC001 – User Registration



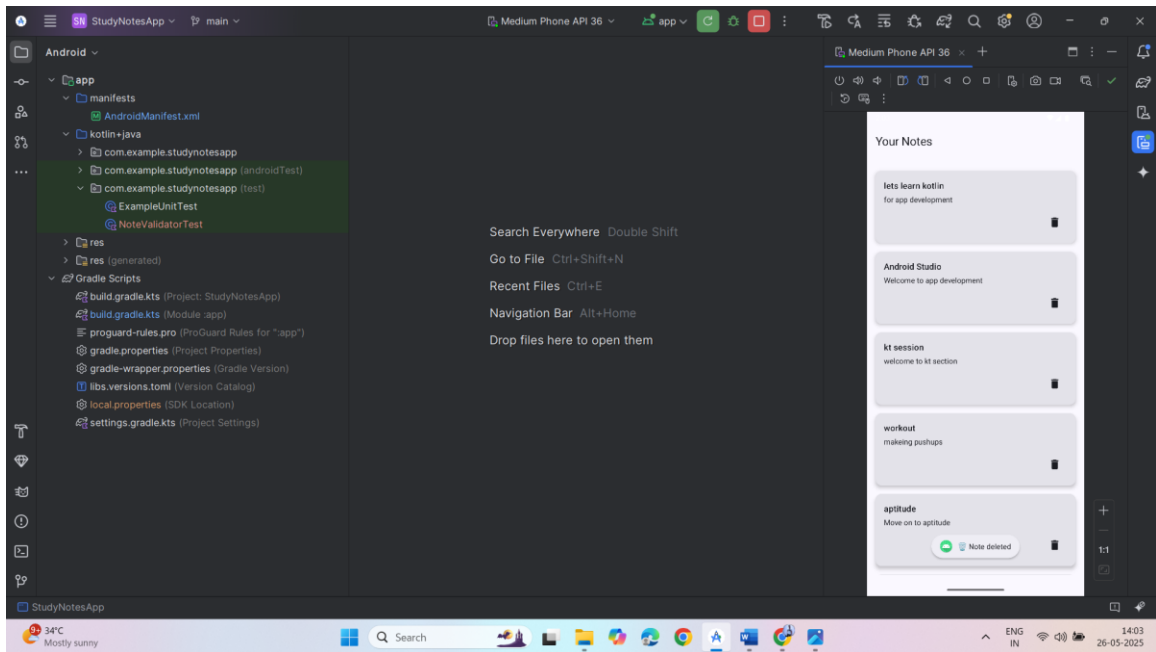
Test Case TC002 – Add Note Without Reminder



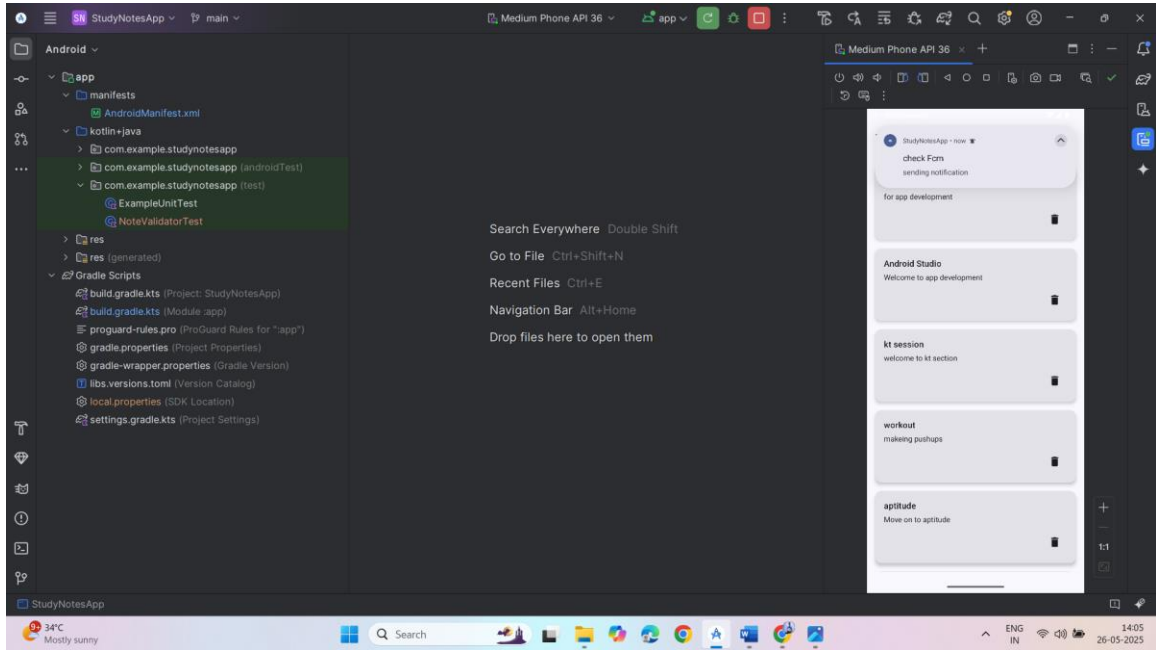
Test Case TC003 – Reminder Notification



Test Case TC004 – Note Deletion



Test Case TC005 – Firebase Notification



Test Case TC007– Logout Functionality

