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# **Introduction**

## ***Document overview***

This document is the software test report of the Goal app testing phase of the Android studios Goal app software development project. It contains the results of tests, which were executed during the testing phase.

## ***Abbreviations and Glossary***

### **Abbreviations**

N/A

### **Glossary**

N/A

## ***References***

N/A

### **Project References**

| # | Document Identifier | Document Title |
| --- | --- | --- |
| [R1] | SRS | CSUN DASHBOARD Software Requirements Specification: Chat JTDAN |
| [R2] | SDD | CSUN DASHBOARDSoftware Design Document: Chat JTDAN |
| [R3] | STP | CSUN DASHBOARD Software Test Plan: Chat JTDAN |

[

### **Standard and regulatory References**

| # | Document Identifier | Document Title |
| --- | --- | --- |
| [STD1] |  | NONE |

## ***Conventions***

NONE

# **Overview of Tests Results**

## ***Tests log***

The Goal software (version 1.0.0) was tested on the Android test platform located in Android Studio, from the 2024/05/10 to the 2024/05/12. The tests of the test phase (ref. software test plan) where executed.

Testers were:

* Mubeen,
* Dylan,
* Joe

## ***Rationale for decision***

After executing a test, the decision is defined according to the following rules:

* **OK:** The test sheet is set to "OK" state when all steps are in "OK" state. The real result is compliant to the expected result.
* **NOK:** The test sheet is set to "NOK" state when all steps of the test are set to "NOK" state or when the result of a step differs from the expected result.
* **Partial OK:** The test sheet is set to "Partial OK" state when at least one step of the test is set to "NOK" state or when the result of a step is partially compliant to the expected result. 🡪 Keep it or remove. Source of inconsistencies: criteria to set if result is Partial OK may be qualitative
* **NOT RUN:** Default state of a test sheet not yet executed.
* **NOT COMPLETED:** The test sheet is set to "Not Completed" state when at least one step of the test is set "Not Run" state.

Test results are listed in §3.

## ***Overall assessment of tests***

* All unit tests for all functions inside of adapter classes passed.
* All tests involving integration of functions and classes passed.
* All tests involving end to end passed. Database and application couldn’t be crashed with invalid values inputted.

Statistics about tests:

* 100% of tests OK,
* 0% of tests NOK
* 0% of tests POK
* 0% of tests NR
* 0% of tests NC

Give also statistics about bugs and enhancements:

* Total number: 0
* Number of Critical: 0
* Number of Major: 0
* Number of minor: 0

## ***Impact of test environment***

The J Unit, Espresso and Mockito frameworks provided the ability to test each component and its interaction with other components in a manner that no person would ever actually do. Although they were running with the application, it did not make any noticeable difference in performance.

# **Detailed Tests Results**

For each executed test, this document contains:

* Test identification;
* Test title;
* Test decision;
* A comment containing additional information or problems encountered during execution and differences with the test procedure.

For the problems leading to a bug, the bug ID is reported in the result of the step where the problem was encountered.

## ***Sub section name***

Copy the sections names and the tests from the software test description document.

Add a fourth column to tables to write tests results

For each NOK in a step, at least one bug shall be created (or referenced if it already exists).

| **Test ID** | **Same ID as in test desc.** | **Comment** | **Decision** |
| --- | --- | --- | --- |
| Test description | Testing individual functions in adapters and addtask |  | OK |
| Verified Requirement |  | Same as in test desc. |  |
| Initial conditions | N/A | Same as in test desc. |  |
| Tests inputs | Random entries from fake repository | Same as in test desc. |  |
| Data collection actions | N/A | Same as in test desc. |  |
| Tests outputs | N/A | Same as in test desc. |  |
| Assumptions and constraints | Each function inside addTask class assumed to be called properly from mainactivity | Same as in test desc. |  |
| Expected results and criteria | Expected results is each function will accept input without exception | Same as in test desc. |  |
| **Test procedure** |  |  |  |
| **Step number** | **Operator actions** | **Expected result and evaluation criteria** | **Result** |
| 1 | addtask clicked | Running operation to create a new task | OK |
| 2 | date variable | date variable created | OK |
| 3 | if WrongDate added | Detects exception asks for date again | OK |
| 4 | updates calendar | if date is correct creates new entry on calendar | OK |

Examples of tests decisions, results and comments.

OK

| **Test ID** | **Same ID as in test desc.** | **Comment** | **Decision** |
| --- | --- | --- | --- |
| Test description | Testing Entries to tasklist |  | OK |
| Verified Requirement |  | Same as in test desc. |  |
| Initial conditions |  | Same as in test desc. |  |
| Tests inputs | Various strings, integers, booleans and dates | Same as in test desc. |  |
| Data collection actions | n/a | Same as in test desc. |  |
| Tests outputs | n/a | Same as in test desc. |  |
| Assumptions and constraints | Assumes all entities entered are of the right type |  |  |
| Expected results and criteria | Will accept data unless an exception made |  |  |
| **Test procedure** |  |  |  |
| **Step number** | **Operator actions** | **Expected result and evaluation criteria** | **Result** |
| 1 | setID | enter ID for entry | OK |
| 2 | getID | returns ID for entry | OK |
| 3 | setName | sets Name for entry | OK |
| 4 | getName | returns entry name | OK |
| 5 | setShortDesc | sets short description | OK |
| 6 | getShortDesc | gets short description | OK |
| 7 | setLongDesc | sets long description | OK |
| 8 | getLongDesc | setsLong description | OK |
| 9 | setDeadlineDate | setsDeadlineDate | OK |
| 10 | getDeadlineDate | returns deadline date | OK |
| 11 | setCompleted | sets boolean If completed | OK |
| 12 | getCompleted | Returns if task marked completed | OK |

OK

| **Test ID** | **Same ID as in test desc.** | **Comment** | **Decision** |
| --- | --- | --- | --- |
| Test description | Testing modification of existing tasks |  | OK |
| Verified Requirement |  | Same as in test desc. |  |
| Initial conditions | N/A | Same as in test desc. |  |
| Tests inputs | Task description | Same as in test desc. |  |
| Data collection actions | N/A | Same as in test desc. |  |
| Tests outputs | N/A | Same as in test desc. |  |
| Assumptions and constraints | Each function inside addTask class assumed to be called properly from mainactivity | Same as in test desc. |  |
| Expected results and criteria | Expected result is each task will receive an updated description that will carry over between individual task, calendar, and home pages | Same as in test desc. |  |
| **Test procedure** |  |  |  |
| **Step number** | **Operator actions** | **Expected result and evaluation criteria** | **Result** |
| 1 | edit task clicked | task description field becomes editable | OK |
| 2 | type in modified description | field allows user to type in modified description | OK |
| 3 | click button to confirm | task is displayed with new description | OK |
| 4 | view task from all pages | updated description shows up on all pages where task description can be found | OK |

OK

| **Test ID** | **Same ID as in test desc.** | **Comment** | **Decision** |
| --- | --- | --- | --- |
| Test description | Testing restoration of archived tasks |  | OK |
| Verified Requirement |  | Same as in test desc. |  |
| Initial conditions | N/A | Same as in test desc. |  |
| Tests inputs | Click of restore button | Same as in test desc. |  |
| Data collection actions | N/A | Same as in test desc. |  |
| Tests outputs | N/A | Same as in test desc. |  |
| Assumptions and constraints | Each function inside archive class assumed to be called properly from mainactivity | Same as in test desc. |  |
| Expected results and criteria | Expected result is restored task will disappear from archive page and reappear on home and calendar pages - and is also accessible as an individual task once again | Same as in test desc. |  |
| **Test procedure** |  |  |  |
| **Step number** | **Operator actions** | **Expected result and evaluation criteria** | **Result** |
| 1 | restore button clicked next to task in archive | task disappears from archive page | OK |
| 2 | check calendar, individual task, and main pages to confirm restoration | task reappears on main and calendar pages; individual task page is accessible again | OK |

OK

| **Test ID** | **Same ID as in test desc.** | **Comment** | **Decision** |
| --- | --- | --- | --- |
| Test description | Testing permanent deletion of archived tasks |  | OK |
| Verified Requirement |  | Same as in test desc. |  |
| Initial conditions | N/A | Same as in test desc. |  |
| Tests inputs | Click of restore button | Same as in test desc. |  |
| Data collection actions | N/A | Same as in test desc. |  |
| Tests outputs | N/A | Same as in test desc. |  |
| Assumptions and constraints | Each function inside archive class assumed to be called properly from mainactivity | Same as in test desc. |  |
| Expected results and criteria | Expected result is restored task will disappear from archive page | Same as in test desc. |  |
| **Test procedure** |  |  |  |
| **Step number** | **Operator actions** | **Expected result and evaluation criteria** | **Result** |
| 1 | delete button clicked next to task in archive | task disappears from archive page | OK |
| 2 | check calendar, individual task, and main pages to confirm restoration | task does not exist on these pages either | OK |

OK

| **Test ID** | **Same ID as in test desc.** | **Comment** | **Decision** |
| --- | --- | --- | --- |
| Test description | Testing traversal between months in calendar |  | OK |
| Verified Requirement |  | Same as in test desc. |  |
| Initial conditions | N/A | Same as in test desc. |  |
| Tests inputs | Click of arrow keys next to month name in calendar | Same as in test desc. |  |
| Data collection actions | N/A | Same as in test desc. |  |
| Tests outputs | N/A | Same as in test desc. |  |
| Assumptions and constraints | Each function inside calendar class assumed to be called properly from mainactivity | Same as in test desc. |  |
| Expected results and criteria | Expected result is the month name and exact order/positioning of days in the calendar view will change to appropriate month | Same as in test desc. |  |
| **Test procedure** |  |  |  |
| **Step number** | **Operator actions** | **Expected result and evaluation criteria** | **Result** |
| 1 | front and back arrow keys clicked | for front arrow key, next month is displayed accurately  for back arrow key, previous month is displayed accurately | OK |

OK

| **Test ID** | **Same ID as in test desc.** | **Comment** | **Decision** |
| --- | --- | --- | --- |
| Test description | Testing delete function for tasks |  | OK |
| Verified Requirement |  | Same as in test desc. |  |
| Initial conditions | N/A | Same as in test desc. |  |
| Tests inputs | Click of delete button next to task | Same as in test desc. |  |
| Data collection actions | N/A | Same as in test desc. |  |
| Tests outputs | N/A | Same as in test desc. |  |
| Assumptions and constraints | Each function inside task class assumed to be called properly from mainactivity | Same as in test desc. |  |
| Expected results and criteria | Expected result is deleted task will disappear from calendar, main, and individual task pages and instead appear under “Deleted” on the archive page | Same as in test desc. |  |
| **Test procedure** |  |  |  |
| **Step number** | **Operator actions** | **Expected result and evaluation criteria** | **Result** |
| 1 | delete button next to task clicked | task disappears from main, calendar, and individual task pages | OK |
| 2 | view archive page | task should appear under “deleted” label on the archive page | OK |

OK

| **Test ID** | **Same ID as in test desc.** | **Comment** | **Decision** |
| --- | --- | --- | --- |
| Test description | Testing complete function for tasks |  | OK |
| Verified Requirement |  | Same as in test desc. |  |
| Initial conditions | N/A | Same as in test desc. |  |
| Tests inputs | Click of complete button next to task | Same as in test desc. |  |
| Data collection actions | N/A | Same as in test desc. |  |
| Tests outputs | N/A | Same as in test desc. |  |
| Assumptions and constraints | Each function inside task class assumed to be called properly from mainactivity | Same as in test desc. |  |
| Expected results and criteria | Expected result is complete task will disappear from calendar, main, and individual task pages and instead appear under “Completed” on the archive page | Same as in test desc. |  |
| **Test procedure** |  |  |  |
| **Step number** | **Operator actions** | **Expected result and evaluation criteria** | **Result** |
| 1 | delete button next to task clicked | task disappears from main, calendar, and individual task pages | OK |
| 2 | view archive page | task should appear under “completed” label on the archive page | OK |

OK

| **Test ID** | **Same ID as in test desc.** | **Comment** | **Decision** |
| --- | --- | --- | --- |
| Test description | Testing access of individual task page for any given task from calendar and main pages |  | OK |
| Verified Requirement |  | Same as in test desc. |  |
| Initial conditions | N/A | Same as in test desc. |  |
| Tests inputs | Click of task | Same as in test desc. |  |
| Data collection actions | N/A | Same as in test desc. |  |
| Tests outputs | N/A | Same as in test desc. |  |
| Assumptions and constraints | Each function inside task class assumed to be called properly from mainactivity | Same as in test desc. |  |
| Expected results and criteria | Expected result is user will be taken to the individual task page displaying the information for the task that was clicked on | Same as in test desc. |  |
| **Test procedure** |  |  |  |
| **Step number** | **Operator actions** | **Expected result and evaluation criteria** | **Result** |
| 1 | task clicked | user taken to individual task page showing information for that particular task that was selected | OK |