

# **Tasks.org (Android) - Software Requirements Specification (SRS)**

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**Tasks.org – Android apk (v14.8.3)**

**Functional Requirement Specification**

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# 1. Introduction

## 1.1. Purpose

The purpose of this SRS is to define the functional requirements of the **Tasks.org Android application**. It focuses on the validation of core task management workflows including creation, editing, deletion, completion, reminders, search, and sorting/filtering.

## 1.2. Problem Statement

Tasks.org is a widely used productivity app for managing to-do lists. Ensuring that the fundamental task management features function reliably is critical for user productivity and satisfaction. A structured testing approach will reduce defects and improve overall app usability.

## 1.3. Objectives

- Validate 7 critical workflows in Tasks.org.
- Ensure task management features are reliable and user-friendly.
- Provide baseline coverage for regression and automation testing.

## 1.4. References

- Tasks.org Android app (Google Play Store, v13.5.2).
- Team documentation (Trello, Test Plan, RTM, Test Cases).

# 2. Hardware & Hosting Environment

Device(s)	Pixel 7 (Android 14)
OS	Android 9 or later
App Source	Google Play Store (production build)
Accounts:	1 Free test account
Locales	English (US)

# 3. Stakeholders

QA Lead	Oversees SRS validation, approves coverage
QA Engineers	Write & execute test cases
Developers	Fix bugs and support QA
Product Owner	Approves scope and deliverables
End Users	Productivity users managing personal and professional tasks

# 4. Functional Requirements (FR)

## 4.1. FR-01: Add a New Task

- Users can create a new task by entering a title and optional description.
- Saving a task should display it immediately in the task list.

## 4.2. FR-02: Edit an Existing Task

- Users can open an existing task and modify details (title, description, due date).
- Changes should be saved and reflected in the task list.

#### 4.3. FR-03: Delete a Task

- Users can long-press on a task to delete it.
- System should prompt a confirmation before deletion.

#### 4.4. FR-04: Mark Task as Completed / Incomplete

- Tapping the checkbox should mark a task as completed.
- Completed tasks should move to the completed list.
- Unchecking moves the task back to active list.

#### 4.5. FR-05: Set Due Date & Time Reminder

- Users can add due dates and time reminders when creating/editing tasks.
- App should trigger a notification at the set reminder time.

#### 4.6. FR-06: Search Functionality

- Users can search tasks by title or keyword.
- Search results should update dynamically.

#### 4.7. FR-07: Sort & Filter Tasks

- Users can sort tasks by due date or priority.
- Filtering options should adjust the visible task list.

### 5. Use Cases

5.1. UC-01: Add a New Task	
Actors	New User
Precondition	App installed, opened
Steps	Open app → Tap add button → Enter title & description → Save
Postcondition	Task appears in the task list

  

5.2. UC-02: Edit an Existing Task	
Actors	Existing User
Precondition	Task exists
Steps	Open task → Tap Edit → Modify fields → Save
Postcondition	Task updates successfully

  

5.3. UC-03: Delete a Task	
Actors	User
Precondition	Task exists
Steps	Long-press task → Tap Delete → Confirm
Postcondition	Task removed from list

<b>5.3. UC-04: Mark Task as Completed / Incomplete</b>	
<b>Actors</b>	User
<b>Precondition</b>	Task exists
<b>Steps</b>	Tap checkbox beside task → Verify status change
<b>Postcondition</b>	Task moves to completed list or back to active list

<b>5.4. UC-05: Set Due Date &amp; Time Reminder</b>	
<b>Actors</b>	User
<b>Precondition</b>	Task exists
<b>Steps</b>	Create/Edit task → Add due date/time → Wait for trigger
<b>Postcondition</b>	Notification is received at the set time

<b>5.6. UC-06: Search Tasks</b>	
<b>Actors</b>	User
<b>Precondition</b>	Multiple tasks exist
<b>Steps</b>	Enter keyword in search bar → View results
<b>Postcondition</b>	Task list updates with matching results

<b>5.7. UC-07: Leaderboard Check</b>	
<b>Actors</b>	User
<b>Precondition</b>	Multiple tasks exist
<b>Steps</b>	Change sort order (due date/priority) → Apply filter
<b>Postcondition</b>	Task list reflects the sorting/filtering changes