

TaskKing App

TASK MANAGEMENT APP

App Overview

A task management app developed with Jetpack Compose is a practical tool designed to help users organize and track their tasks efficiently. Here's a simple description of such an app:

The app presents a clean and user-friendly interface, leveraging Jetpack Compose's modern UI components for seamless navigation and interaction. Upon launching the app, users are greeted with a list of tasks, neatly categorized by their status ("All", "To Do", "Expired" and "Completed").

Users can easily add new tasks by tapping on a prominent "Add Task" button, which opens a dialog or a dedicated screen where they can input the task details such as title, description, due date, and priority.

Tasks are displayed in a visually appealing manner, with each task card containing essential information like the title, due date, and status. Users can tap on a task card to view or edit its details.

The app also offers collaboration capabilities through the **Teams option** which allows the creator and collaborators of a given task to add new people as collaborators. Collaborators can create new subtasks, complete subtasks, also delete subtasks.

The app leverages the power of firebase real-time database, cloud storage, firestore and authentication throughout its functionality

Overall, the task management app built with Jetpack Compose provides a streamlined and efficient way for users to stay organized and productive in managing their tasks and responsibilities.

Features Implemented

Login and Registration: Users can create accounts and log in to access the app, ensuring secure and personalized task management.

Task Creation and Organization: Users can create tasks with details such as title, description, due date, and priority. Tasks are categorized into "To Do", "Expired or Past", and "Completed".

Completion Marking: Users can mark tasks as completed, updating their status in real-time.

Reminders: The app sends timely reminders for upcoming deadlines, helping users stay organized.

Subtasks: Tasks can be broken down into subtasks, enabling users to manage complex projects effectively.

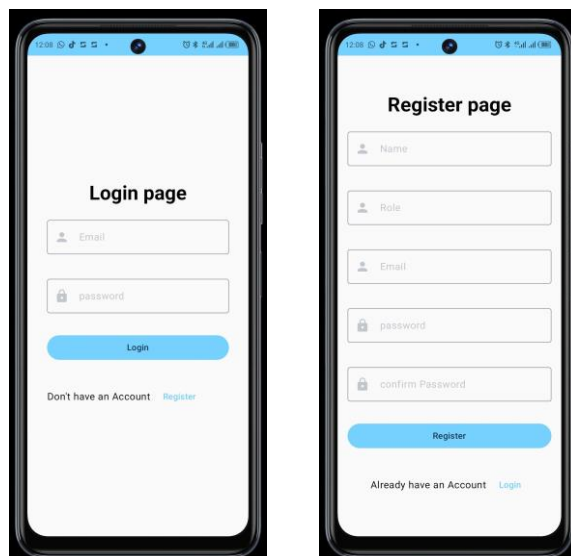
Progress Tracking: Users can track the progress of tasks and subtasks, visualizing their completion status.

Timelines with Start and End Dates: Tasks can be assigned start and end dates, providing a clear timeline **for completion**.

Collaboration: Users can invite team members to collaborate on tasks, creating a seamless workflow for project management.

Attachment of Resources: Users can attach relevant documents, files, or notes directly to tasks, enhancing organization and productivity.

Authentication Screens (sign up and login)

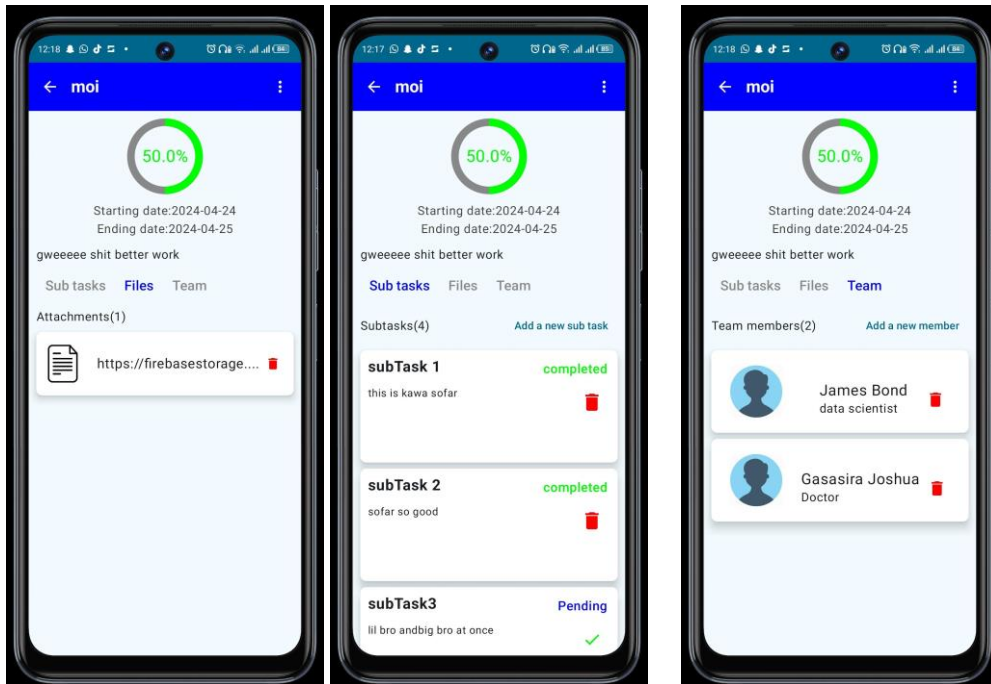


Home page (landing Screen)

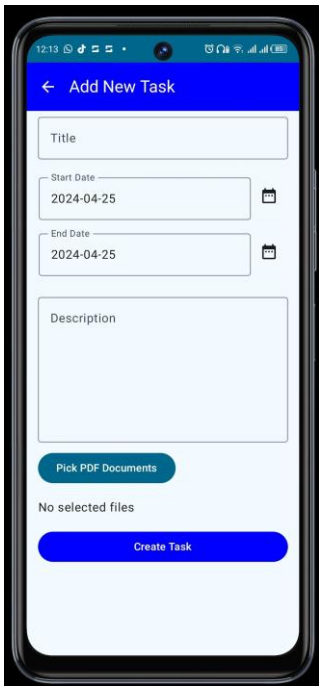


Task Details Page

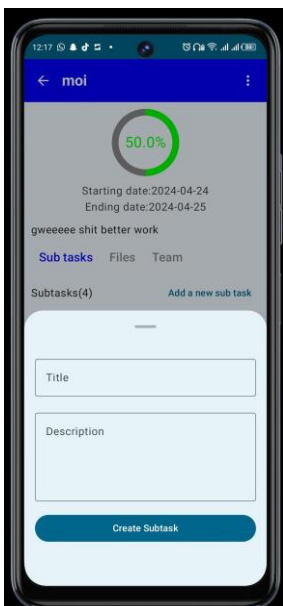
The Task Details page shows the task progress, description, timelines and name at the top. The bottom part of this page shows subtasks, attached files and contributors depending on the choice picked



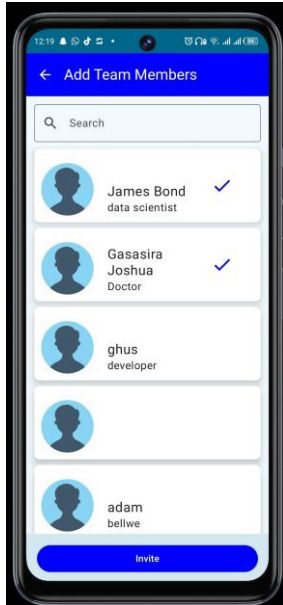
Create New Task Page



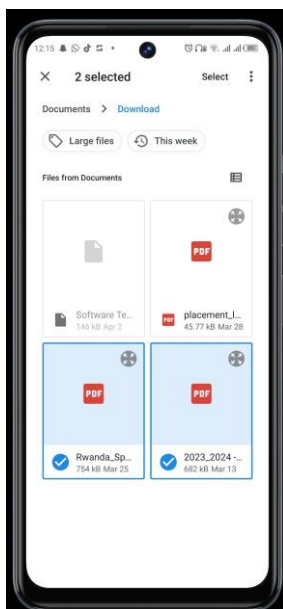
Create Subtask (Bottom Sheet)



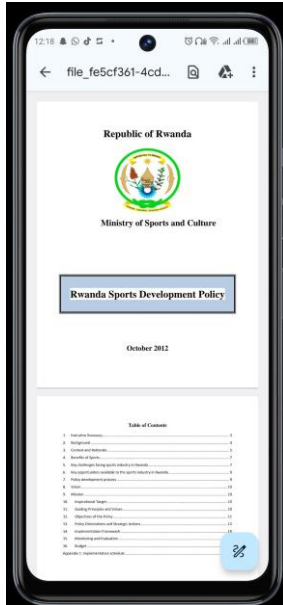
Add Contributors Screen



Add Files (PDFs files only)



View File Screen



In Conclusion Our task management app offers a comprehensive set of features, providing users with a powerful tool for organizing tasks, tracking progress, and collaborating with team members. With its intuitive interface and robust functionality, the app is ready to enhance productivity and efficiency for its users.

Team

Name	Registration Number	Student Number	Contributions
Gasasira Joshua	21/U/08936/PS	2100708936	App State management (Views models) Data Repositories and Data models

Angoda Brian Nyanga	21/U/1789	2100701789	General App UI Components Firebase Setup
Adam Ssebata	21/U/0534	2100700534	User authentication and User authorization logic, App Navigation