

Task Manager Application for Android

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Earlier this year, my family needed a task manager application for our phones that could sync between iOS and Android devices and support parent, child, and grandchild tasks assigned to different people. However, we found that existing applications were either too expensive, poorly programmed, or filled with advertisements, making them unusable. Therefore, I decided to create a to-do application for Android as part of this portfolio project. While I don't plan to have it synchronized between devices or compatible with iOS, nor accept external task assignments through a cloud-based database server, I aim to develop a single-device application that meets our needs. Whether I continue to develop this application in the future is uncertain, but it will at least be a useful tool for me personally, which I can distribute through Aptoide for further testing before adding more features.

Purpose and Scope

The purpose of this application is to provide users with a comprehensive task management system. The app aims to help users organize, prioritize, and track tasks efficiently. The scope includes managing both parent and child tasks, prioritizing tasks based on multiple factors, and providing a clear visual representation of task urgency.

Target Audience

Target Audience: The target audience for this app includes professionals managing multiple projects or tasks at home, students organizing their academic workload, individuals seeking to improve personal productivity and teams looking for a shared task management solution who need to organize tasks hierarchically, prioritize tasks based on multiple factors, track completed and pending tasks and easily visualize task urgency and importance.

Key Features and Functionalities

The key features and functionalities will include task management, the ability to create parent and child tasks, mark tasks as complete and view tasks in a hierarchical structure. The program will provide automated task prioritization with a calculation based on task importance, time since last update, expected completion time, and the due date. It also has a visual representation of priority using color coding. It will organize tasks using separate views for pending (ToDo) and completed (Done) tasks and can expand/collapse parent tasks to view/hide child tasks. It will have customizable options for task management. It will have a tabbed interface for easy switching between ToDo, Done, and Settings views

Figure 1

UI Mockup of the Todo application

