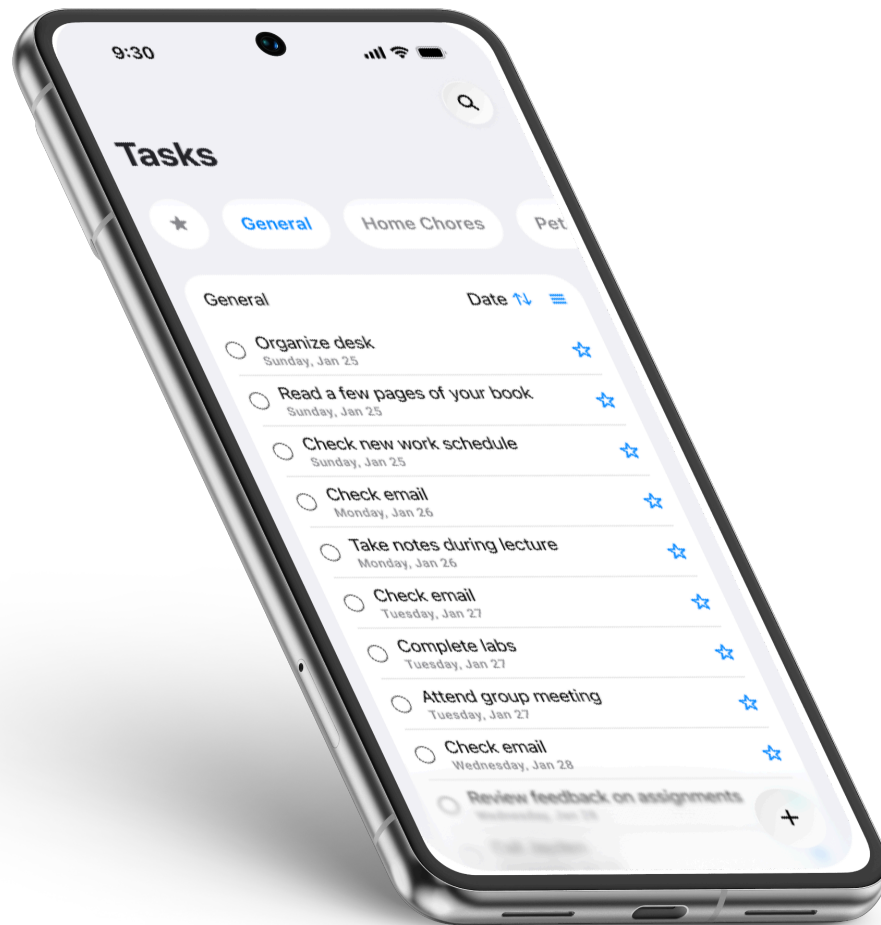


## Project Proposal

# Taskit - ToDo List Organizer



## Developers

#	Name	Student ID	CRN
1	Aidan Repchik	101535819	50497
2	Henil Patel	101511850	54621
3	Jayden Lewis	101484621	50497
4	Sami Ar Rahman	101488786	50497

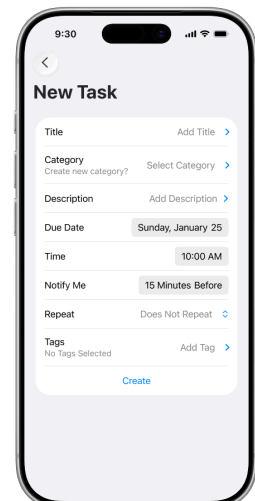
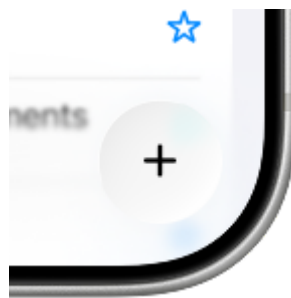
## Description

Taskit is an iOS To-Do application designed to help students and working individuals efficiently and simply manage tasks across different categories. Taskit allows users to create, organize, schedule, and track tasks while keeping awareness of due dates, reminders, and recurring events. Tasks are visually grouped and sorted, making it easy to identify what needs attention and what is overdue or upcoming.

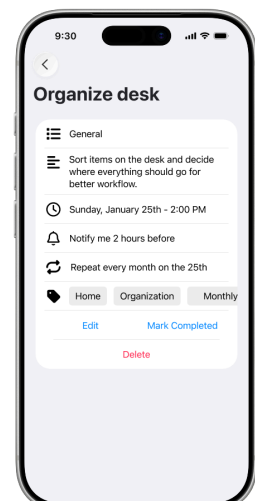
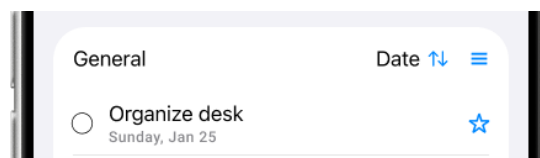
Before development, we created a few minimalist mockup images to visualize the end product and assist us in the implementation of specific needs for the application.

## Functionality

Creating a new task is as simple as tapping the + button located near the bottom of the Tasks screen, which will navigate you to the New Task screen, where you can enter task information.



Tapping the empty circle icon next to each task will mark the task as completed and hide it from all filtered views except the completed tasks filter. Tapping the empty star next to each task on the Tasks screen will mark a task as favourited and add it to the favourites category to show you only the most important tasks. To open a detailed view of a task, you'll just have to tap on a task from the Tasks screen.

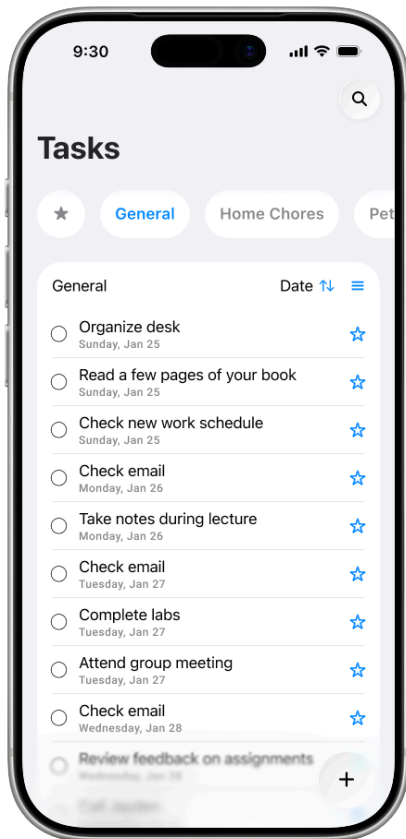


## **Data**

Taskit will store task-related data locally using Core Data, Apple's object-relational persistence framework for iOS. Using Core Data will allow for easy offline access to app data and allow for fetching, sorting and filtering by various metrics and is similar to Android's Room database framework, so implementation will be easier.

The following data will be stored for each task:

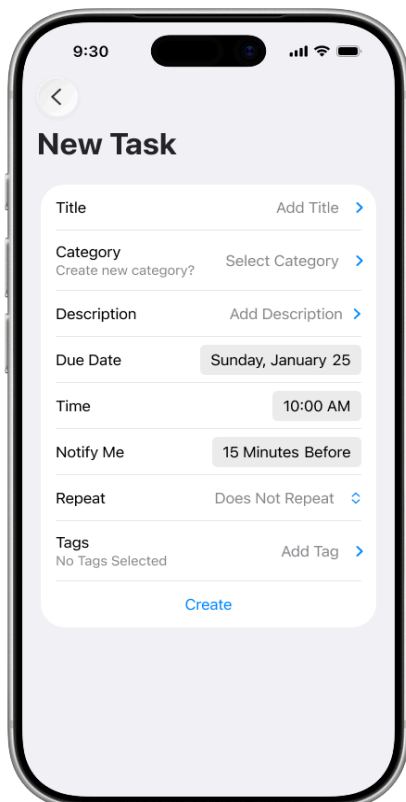
- Task title
- Task description
- Category
- Due date and time
- Notification preferences
- Repeat rules
- Completion status
- Favorite status
- Tags



The Tasks screen displays all tasks grouped by category. Users can:

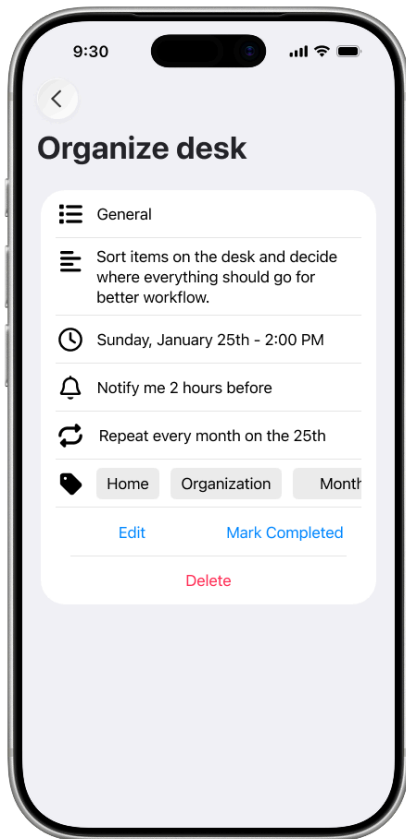
- Search for tasks by name or tag from the search bar
- View tasks sorted by various metrics
- Switch between categories using filter chips
- Edit category details via the bars menu
- Mark tasks as completed
- Favourite important tasks
- Access sorting options (e.g., date order)
- Add new tasks using the floating + button

This screen acts as the main hub of the application.



The New Task screen allows users to create a new task by entering:

- Title
- Category (with option to create new categories)
- Description
- Due date and time
- Notification timing
- Repeat options
- Tags (with option to create new tags)



Once created, the task is saved and displayed on the Tasks screen.

The Task Details screen shows full information for a selected task, including:

- Task title and category
- Task description
- Due date and time
- Notification settings
- Repeat settings
- Tags
- Task actions (Edit, Mark Completed, Delete)

This screen allows users to review and manage individual tasks in detail.