

# **Project 13 Design Document**

## **iOS Advanced To-Do App**

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# Project Title

iOS Advanced To-Do App

## Group Members

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## Application Description

Our advanced iOS Todo application is specifically designed for students to help them manage their tasks efficiently. The app allows students to add new tasks and categorize them into three categories: school, grocery, or bill. This categorization helps students to prioritize and focus on tasks that are more important to them.

With the option to assign different colors to each task, students can easily differentiate between tasks and categorize them effectively. The app also enables students to set up deadlines for each task, so they never miss an important deadline again. The deadline feature is especially useful for students who are always on the go and need to keep track of their tasks in real-time.

To further enhance the app's functionality, students can filter their tasks based on different criteria. For example, they can view only the tasks that are due today, upcoming, completed, or incomplete/overdue. This filtering feature helps students to focus on the most pressing tasks at hand and keep track of their progress.

In addition to its functionality, the app's user interface is designed to be intuitive and user-friendly, making it easy for students to use. The app's simple and clean design ensures that students can quickly access the information they need without getting bogged down by complicated menus or settings.

In conclusion, our advanced iOS Todo application is an ideal solution for students who are looking for an efficient way to manage their tasks. With its powerful features and user-friendly design, the app provides students with the tools they need to stay organized, focused, and on top of their to-do list.

# Storage of Data

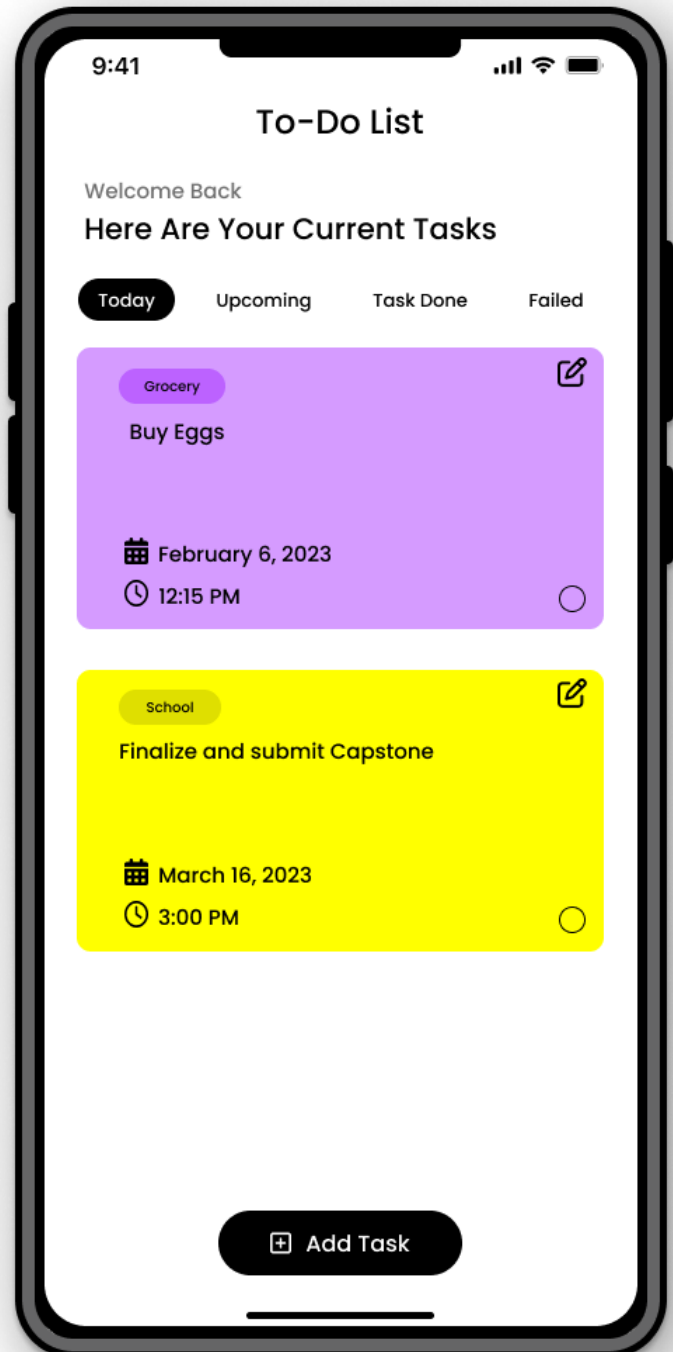
We're using the Core Data framework in iOS to store our data. According to Apple, Core Data will help us store, manage, and retrieve data in a structured and efficient manner. We're using Core Data to store all the necessary information of a To-Do. In other words, the task title, category, deadline, and colour. In the background, Core Data uses SQLite for persistence. This will allow our app to maintain the user's To-Do's without losing data.

## Wireframes

### Home page

Our app opens the list of todos sorted by today, so you can easily see what you need to tackle first. With the filter options, you can quickly switch between today, upcoming, completed, and incomplete tasks to prioritize your workload.

Adding new tasks is a breeze with our add task button located at the bottom of the screen. Simply click on it to be redirected to the add task view where users can input their task details, categorize it, assign a color, and set a deadline. With these powerful features, users will never miss a deadline or forget a task again.



## Edit & Add Task page

The Edit and Add page is where users can add a new task, or edit an existing one. By selecting between a variety of colors, users can easily differentiate between tasks and categorize them effectively.

Then, users can choose a deadline and select the task's category. When users are finished, they can click the save button on the bottom to save the task and get redirected to the home page.

9:41

← Edit Task

Task Colour

Task Deadline

March 16, 2023, 3:00 PM

Task Title

Finalize and submit Capstone

Task Category

School Grocery Bill

Save Task

Cancel

Filters (Upcoming, Completed, Incomplete/Failed) pages



These remaining pages; upcoming, task done and failed show which tasks you have coming up, completed or did not complete. They filter through all the to-do's the user has and display them accordingly.