

# To-Do Application

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Name: John Lynch, Angel Perez, Pranesh, Chung Chan Am.bokar

# Problem Statement

Many individuals **struggle with organizing their events,** activities, and overall workflow. Lack of sleep, which is common among adults, as well as distractions caused by everyday life result in people forgetting important tasks that they must complete.

# Solution

In order to ensure people do not miss anything important, an application can solve this problem. The application will be developed to send out multiple reminders and alerts in order to notify the user about any upcoming events. We also plan on having the application available on multiple devices such as iOS, Android, Windows, and Mac. So that you can receive these notifications from multiple sources.

# How it Improves Software Engineering

How it relates: The main goal of our application will be to improve productivity. By reminding people of upcoming events or assignments, we will ensure that deadlines will not be missed and people can keep up with the work that is required of them. In some ways, our application can also improve communication by setting reminders to reach out to certain individuals.

# Use case: Create a project task

## 1 Preconditions

User must have Google api token in system.

## 2 Main Flow

User will request to set up a task, provided the task's content and time. [S1]

Bot will provide text box for the user to enter details. [S2]

## 3 Subflows

[S1] User clicks the “create task” button and enter details (contents, when to remind, deadline, etc.).

[S2] Bot will record those data in the system, and set up an reminder.

[S3] Bot will create a task, and be prepared for the user to create the next task.

## 4 Alternative Flows

[E1] User doesn't have the Google api token.

[E2] User have duplicate tasks.

[E3] User reached the maximum task limit in Google Tasks.