

# **CS175 Final Project Report**

**Group 8**

**Productiv**

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## **Introduction:**

Our application is called Productiv. It is a to-do list application that features all the core functionality needed to get tasks done, with the addition of an AI feature to take your productivity to the next level.

The application allows users to create task items for their to-do list using our modern user interface. These task items include a title, description, and due date, as well as a priority level that can be decided by the user. Once task items are added to the list, users can mark them as complete, reorder them, and edit them. Our app also offers a calendar page and a timer page to assist users with time management and scheduling.

Additionally, each time the user opens the application, they will be greeted with a custom AI overview of the tasks on their to-do list. This AI feature analyzes the user's tasks and makes recommendations on when to start each task and provides an estimate for how long the task will take. The more descriptive users are about their tasks, the better the AI overview will be.

## **Application Requirements:**

The application has been tested and developed on API 29, but it can run on API versions as low as 24 and as high as 36.

## **User Guide:**

After installing the application, the user can begin by clicking on the Create Account button and providing a name, email, and password. After creating the account, the user will be navigated to the home page with an empty list. You can add your first task by clicking the Add Task button. This will navigate the user to a Create Task page where the user can add a name, description, due date, and priority for the task. Once the task is added and the user navigates back to the home screen, an AI overview will be displayed. The user can press the Refresh button to update the AI response to reflect the newly

created task. The next AI overview message will be displayed when the app is closed and reopened.

From the home page, the user can click on the hamburger button at the top left of the page to access the menu. This menu provides access to the timer, calendar, and sign-out button.

To mark a task complete, click on the task and then click the Complete button. You can also edit a task by clicking it and then clicking the Edit button.

Tasks in the list can also be reordered by clicking and dragging the task to a new position in the list.