

San Jose State University

EventPlanner

CS175 Final Project

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CS 175: Mobile Device Development

Professor Yan Chen

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I. Team Members

- Austin Nguyen
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II. Technical Requirements

A. Minimum API Level: 29 (Android 10)

B. Target API Level: 35 (Android 14 Preview)

C. Device Compatibility

- Phones and tablets running Android 10 or above
- Android Studio emulating devices within compatible API levels

D. Permissions Required

- POST_NOTIFICATIONS (Android 13+)
- RECORD_AUDIO

III. User Guide

A. Overview

EventPlanner is a stylish and simplified event management application that provides further functionality than the calendar app. It's designed for students and professionals to manage upcoming tasks, set reminders, or even add and share events

B. Dashboard

The dashboard has two tabs: 'Upcoming' and 'Past'. It displays 5 events at a time (the value `MAX_DASHBOARD_EVENTS` can be changed if we want to have a different amount). Events are displayed as a card containing a title, date, optional 'important' label, event description, category, how many minutes before to remind the user, and the recurrence. The dashboard serves as a clean, card-based list for users to look at the closest events they may need to prepare for. The events page should be used if the user needs more in-depth use.

C. Events Page

The Events tab shows all events in a scrollable list or grid layout, which users can toggle between. There, users can filter by category, sort by importance, or by time. By default, events are sorted by upcoming events, with important events shown separately on top. Tapping on an event allows users to view full details of an event, with a button to share the details. Swiping left on an event prompts the user to delete an event, while swiping right allows users to edit an event.

D. Calendar Page

The Calendar page shows a calendar with dates highlighted if a user has an event that day. Users can click on that specific date to see the events planned for that day. By default, it is loaded onto the current day and month.

E. Add Event

Use the add(+) button on the Events tab to create a new event.

Fields include:

- Title (required)
- Date & Time pickers (required)
- Optional: Category, description, reminder (in minutes), recurrence (None/Weekly/Monthly), importance

Recurring events automatically repeat for up to 1 year

Input validation ensures all required fields are filled

F. Voice Input

Tap the microphone icon (Events tab) to use voice-to-text input for creating an event. Doing so prefills the title field with spoken text. This function requires microphone permissions.

G. Notifications

When an event reaches the point where the user requested a reminder for (ex: 30 mins before), a notification is sent even when the application is closed.

H. Share Event

Tapping “Share” from the Event details popup prompts the user the ability to share full event information to other applications


I. Dark Mode Toggle

Tapping the menu in the top right corner allows users the option to toggle dark mode. This works by saving user preferences through SharedPreferences and works immediately through AppCompatActivity.

J. 'Help' button

Selecting the 'Help' option from the menu in the top right corner brings up a dialog that explains how to use the application.

K. Video:

 CS 175 - EventPlanner User Guide.mp4