Roll Call

System Design Document

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TABLE OF CONTENTS

CRC Cards

Class Name: Event	
Subclasses: DayEvent, WeekEvent, MonthEvent	
Responsibilities: ● Gets Google Calendar credentials ● Defines an uninstantiated time range for events (instantiated by subclasses) ● Gets Google Calendar events within specified time range ● Gets current time in our time zone (EST)	**Collaborators:** ● Google Calendar API ● DayEvent ● WeekEvent ● MonthEvent

Class Name: DayEvent	
Superclass: Event	
Responsibilities: ● Defines the time range as the start of today to the end of today	**Collaborators:** ● Event ● Google Calendar API

Class Name: WeekEvent	
Subclasses: Event	
Responsibilities: ● Defines the time range as the start of tomorrow to the end of the 6th day from now	**Collaborators:** ● Event ● Google Calendar API

Class Name: MonthEvent	
Subclasses: Event	
Responsibilities: ● Defines the time range as the start of the current month to the end of the current month	**Collaborators:** ● Event ● Google Calendar API

Software Architecture Diagram

MongoDB
-stores user data, preferences, event summaries, historical reports

Google Cloud
- users google account and Calaendar

Model - Flask App

Defines CalendarEvent, user profiles, notification settings and TODO list structures

Handles READ operation for accessing, then manipulating calendar data

View - React with Tailwind + MUI

React Components: Display summaries, TODO list, and different pages

UI Styling: Use Tailwind CSS and MUI to style your components, keeping the interface visually appealing and user-friendly.

Controller - Flask

Define API endpoints that react calls

Processing model responses

Returning model data to the view