

# Jadwal: An Elegant, iOS-based Calendar

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Supervised By: Dr. Inayatullah

# Agenda

Introduction

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Part 1

The Problem

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Part 2

The Solution

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Part 3

Q&A

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Part 4

# Introduction



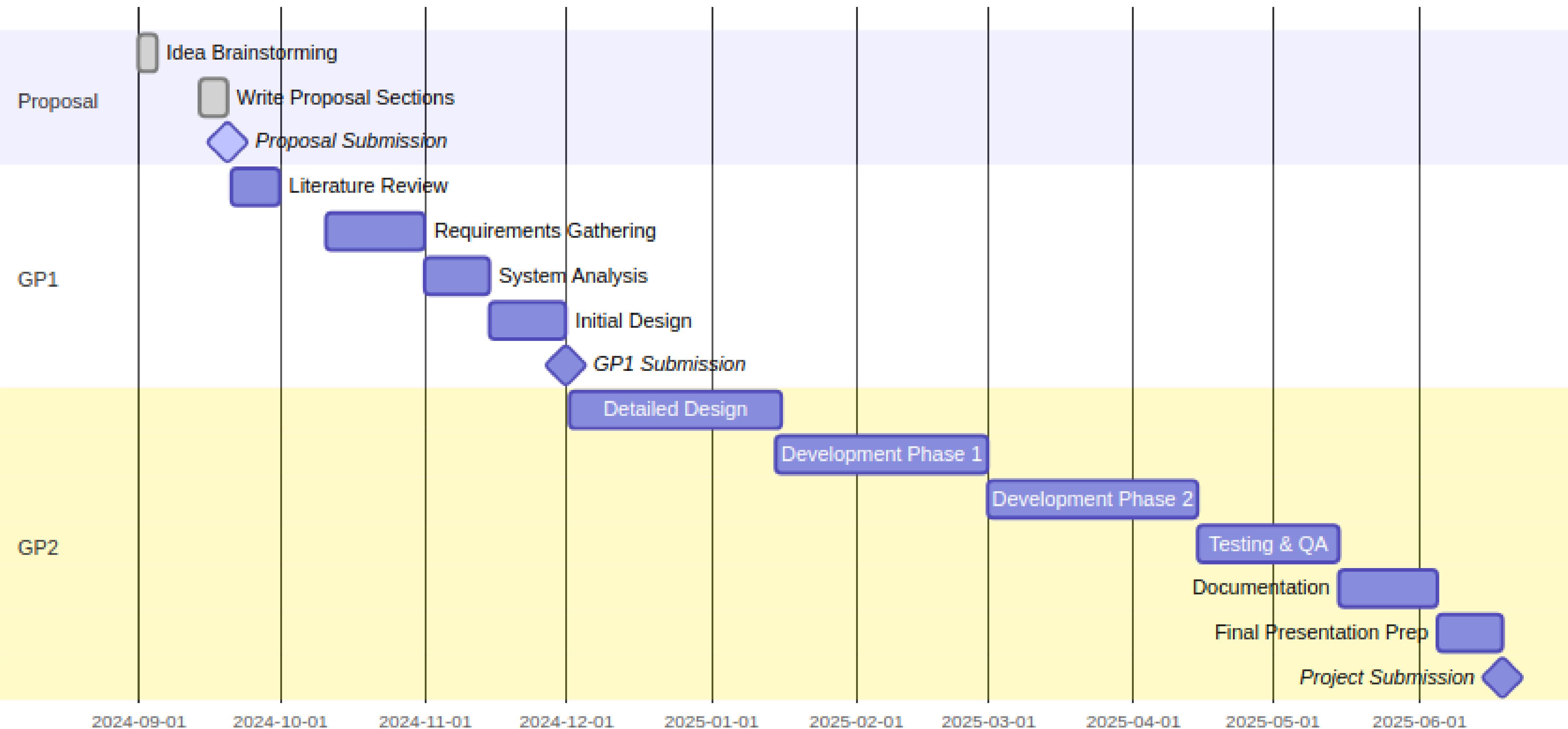
# What is Jadwal?



Jadwal is an **intelligent iOS-based app** designed for busy professionals, students, and multitaskers to simplify their time management:

- Integrating multiple calendars into one seamless view.
- Automating event extraction from WhatsApp.
- Prioritizing daily routines, including prayer times.

## Jadwal Project Timeline



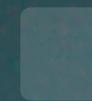
# Our Competitors

Feature	Jadwal	Clockwise	Motion	Reclaim AI	Calendi
Open Source	✓	✗	✗	✗	✗
WhatsApp Integration	✓	✗	✗	✗	✗
CalDAV Support	✓	✓	✓	✓	?
Conflict Resolution	✓	✓	✓	✓	?
Prioritize Prayer Times	✓	✗	✗	✗	✗
iOS Application	✓	✓	✓	✓	?

# Our Biggest Limitation

**We can't prove to the user his privacy hasn't been  
breached with the WhatsApp integration.**

# The Problem



# Why Does Jadwal Exist?



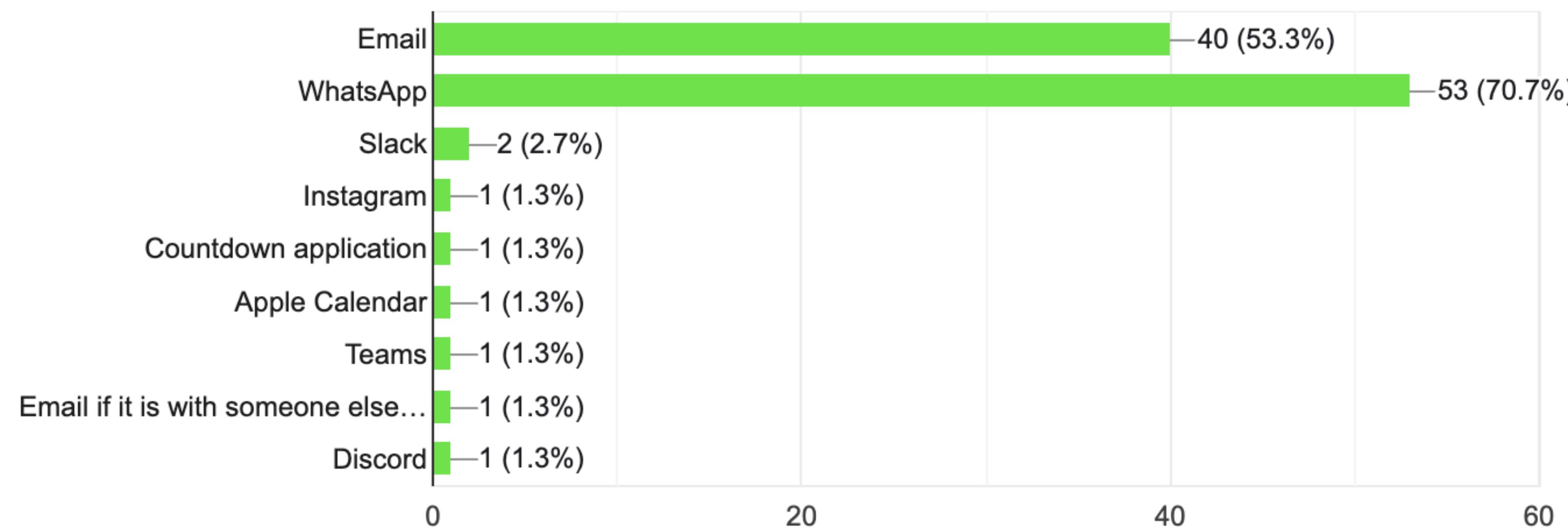
- **Manual Updates are Tedious:**
  - Users must manually switch between platforms to keep calendars updated.
- **Informal Discussions Create Gaps:**
  - Event details in WhatsApp often don't make it to calendars, leading to missed events.
- **Scheduling Conflicts are Stressful:**
  - Overlapping events require manual resolution, wasting time and creating inefficiencies.
- **Multiple Calendars are Hard to Manage:**
  - Professionals and students often juggle work, personal, and shared calendars.

# Why Does Jadwal Exist?

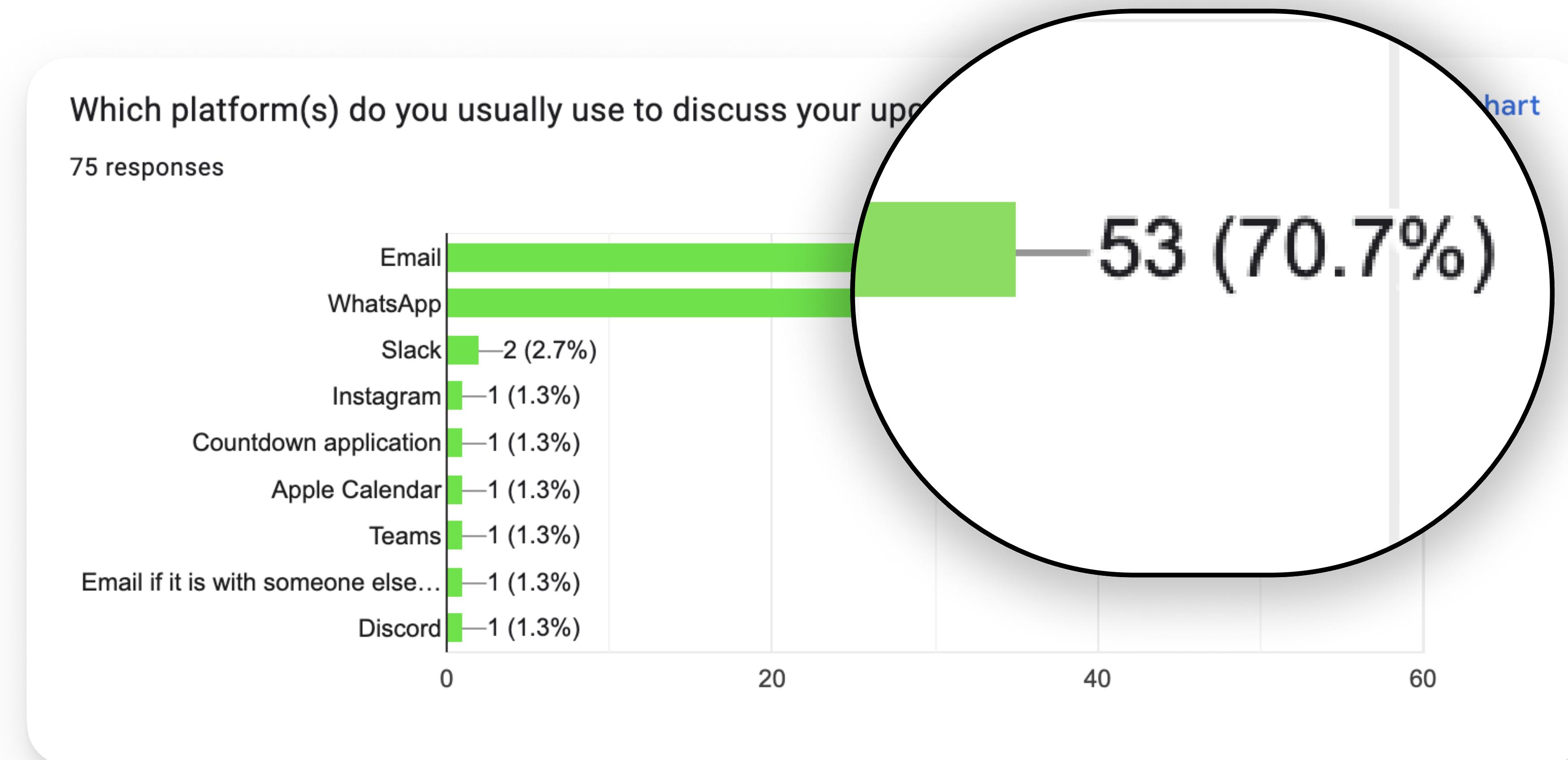
Which platform(s) do you usually use to discuss your upcoming events?

 Copy chart

75 responses



# Why Does Jadwal Exist?



# Why Does Jadwal Exist?

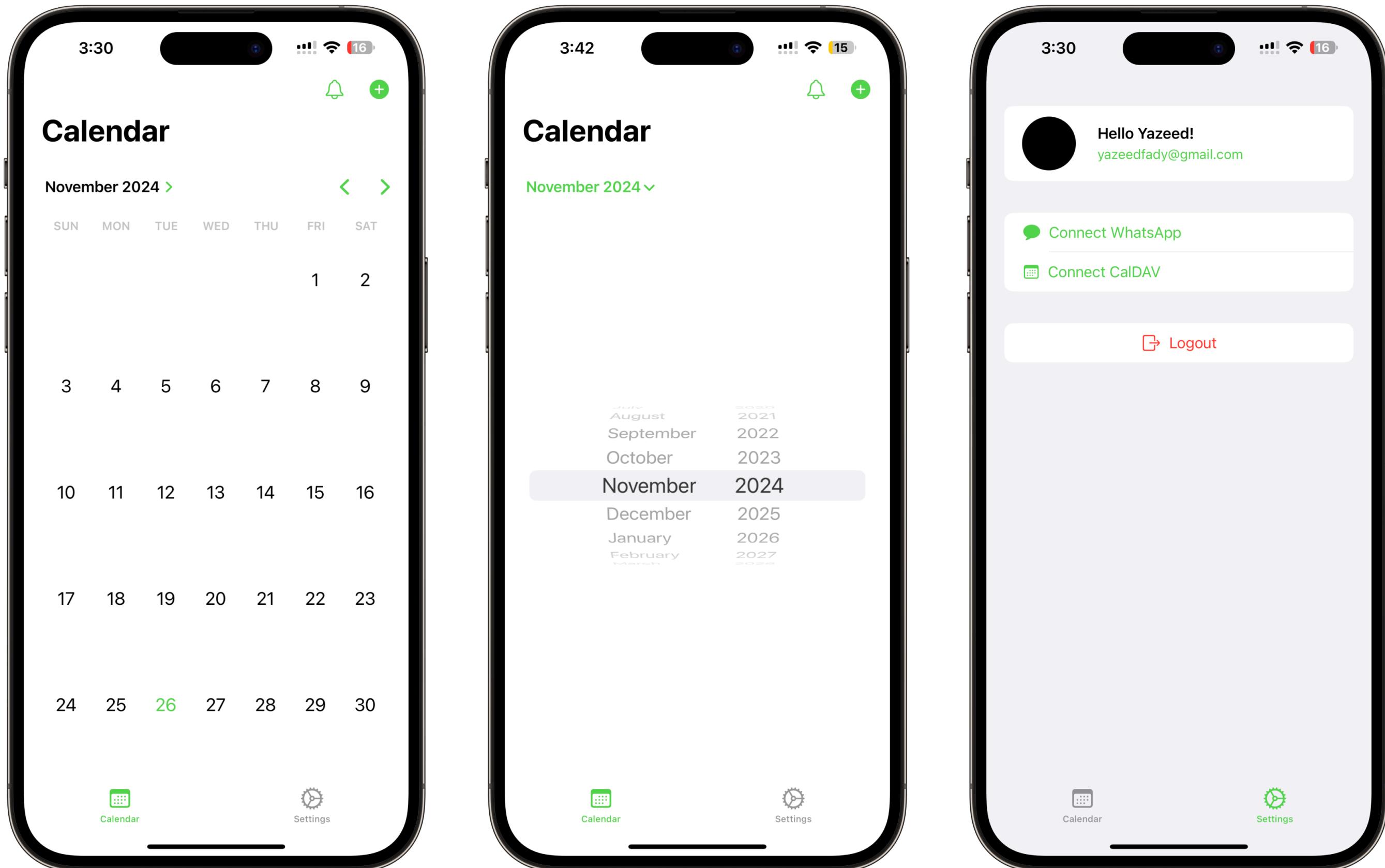


70.7%

# The Solution



# How Jadwal Solves It!



- **Seamless Integration:** Unified view of multiple calendars (CalDAV support).
- **Automation:** Extract events directly from WhatsApp chats.
- **Smart Prioritization:** Automatically schedules critical tasks like prayer times.
- **Conflict Resolution:** Suggests alternatives to overlapping events.

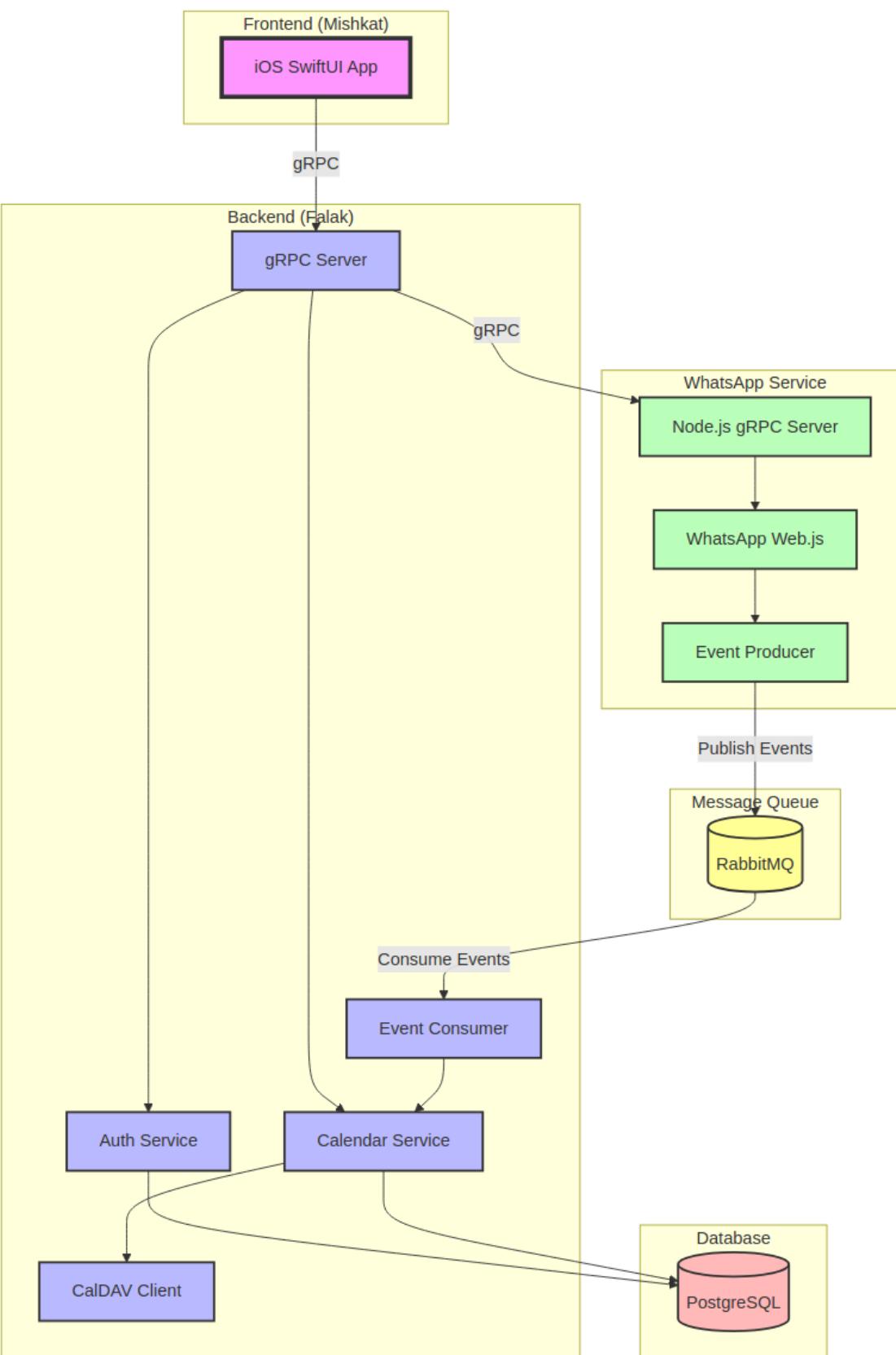
# Inside Jadwal: Features & Architecture

## Key Features:

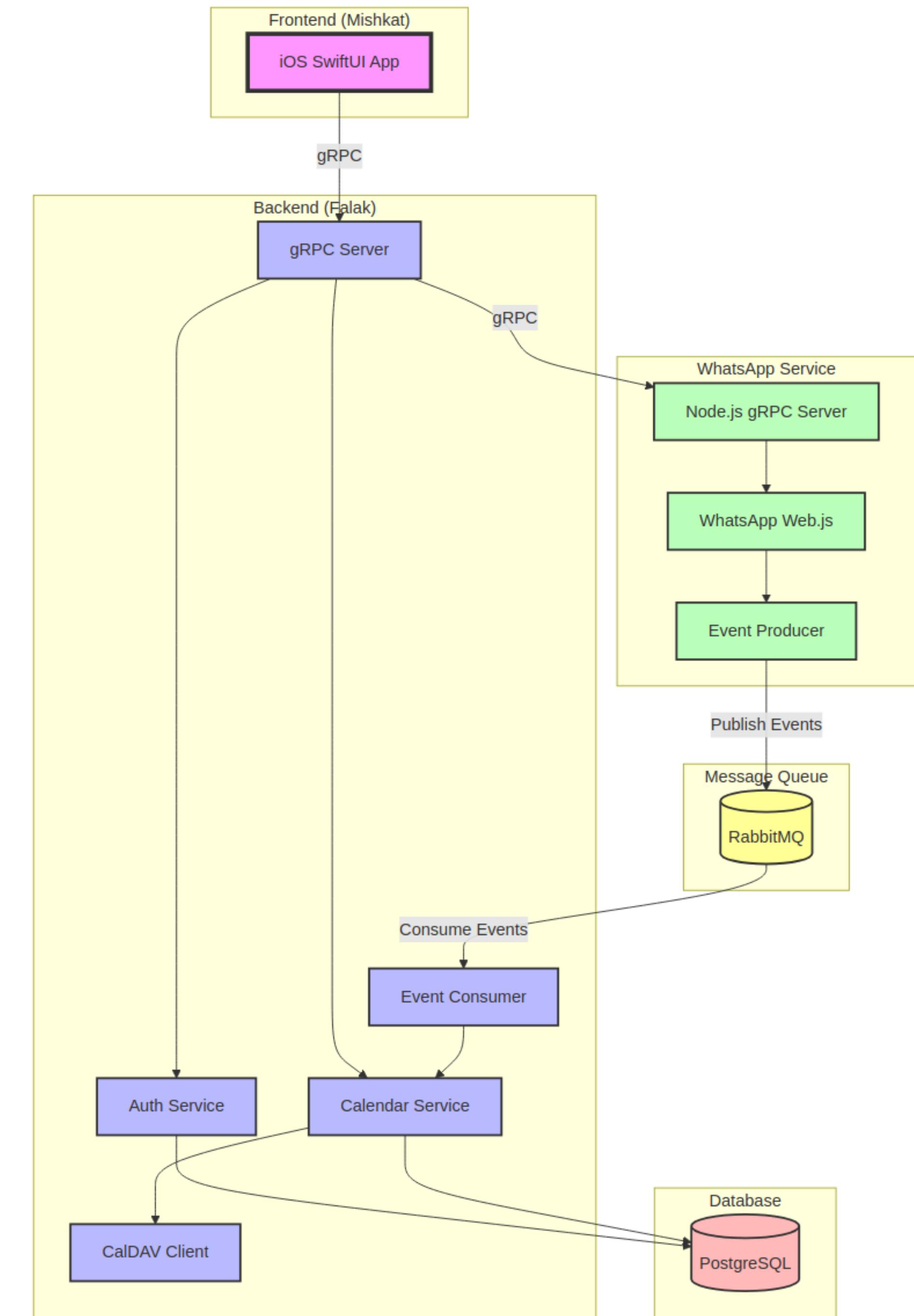
- Magic Link Authentication.
- Profile page with WhatsApp and CalDAV integration buttons.
- Integrated calendar UI.

## Architecture Overview:

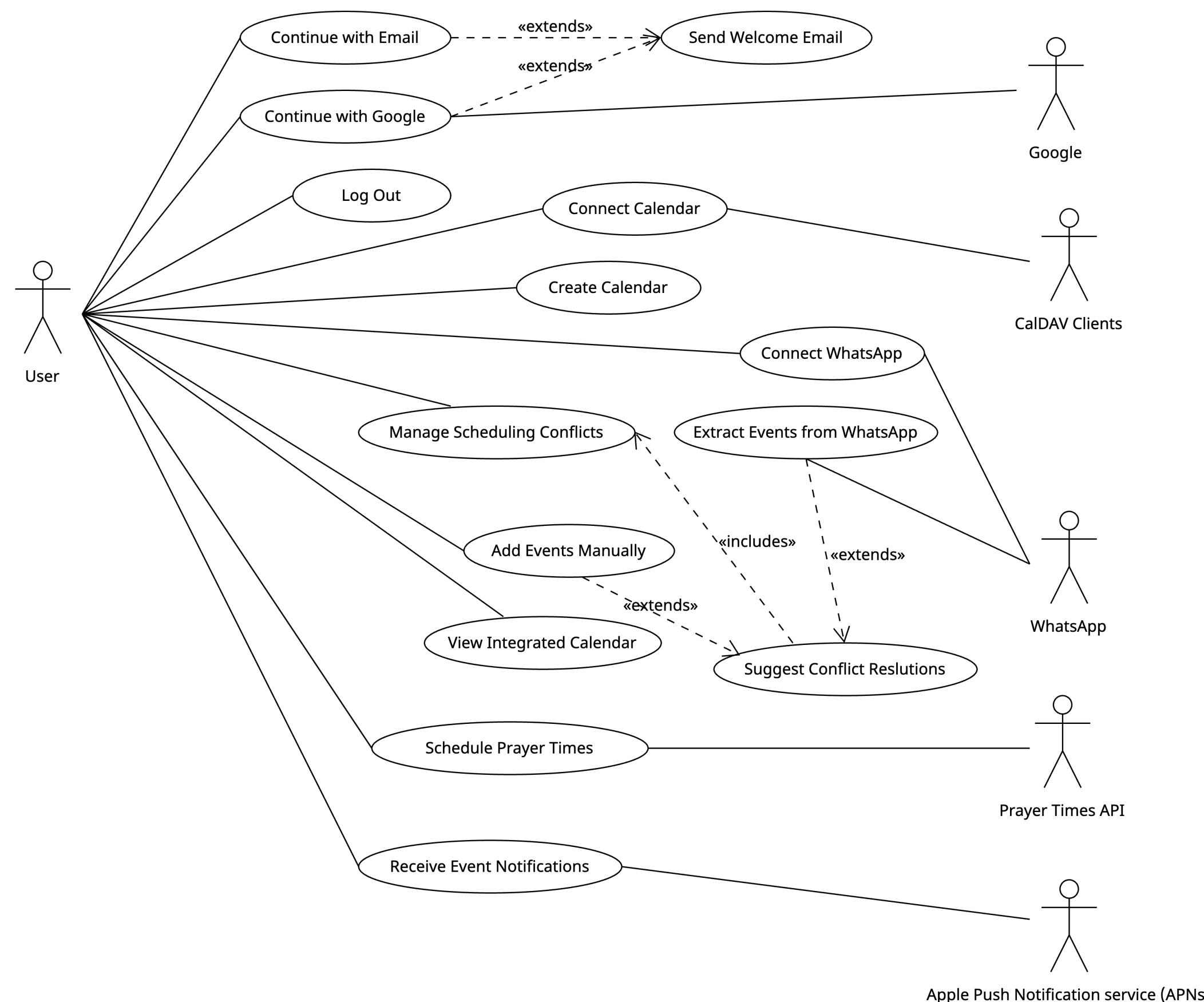
- Secure APIs, JWT for authentication, and HTTPS encryption.
- Backend integrations with CalDAV and WhatsApp APIs.



# Jadwal's Architecture



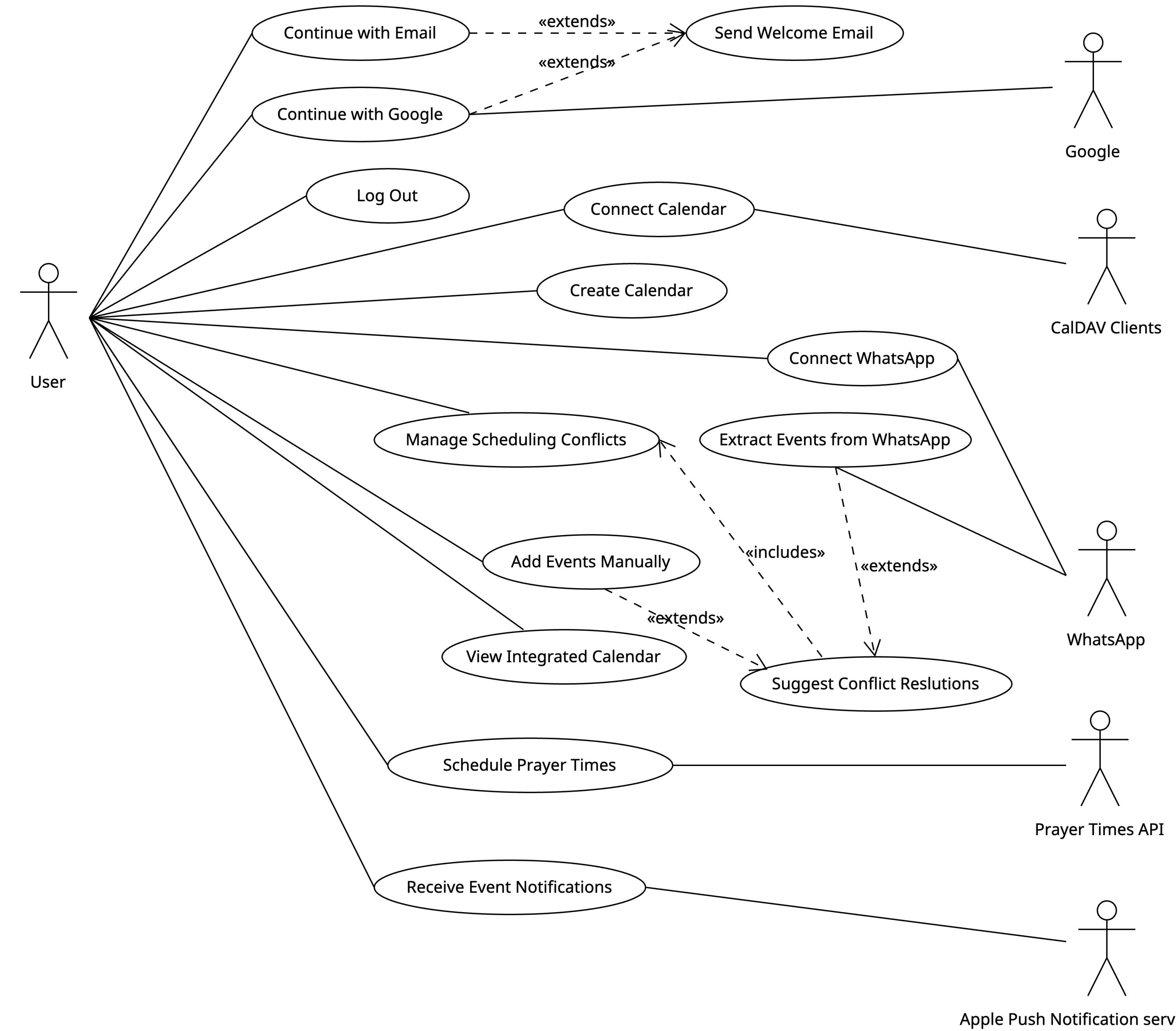
# Jadwal's Use Case Diagram



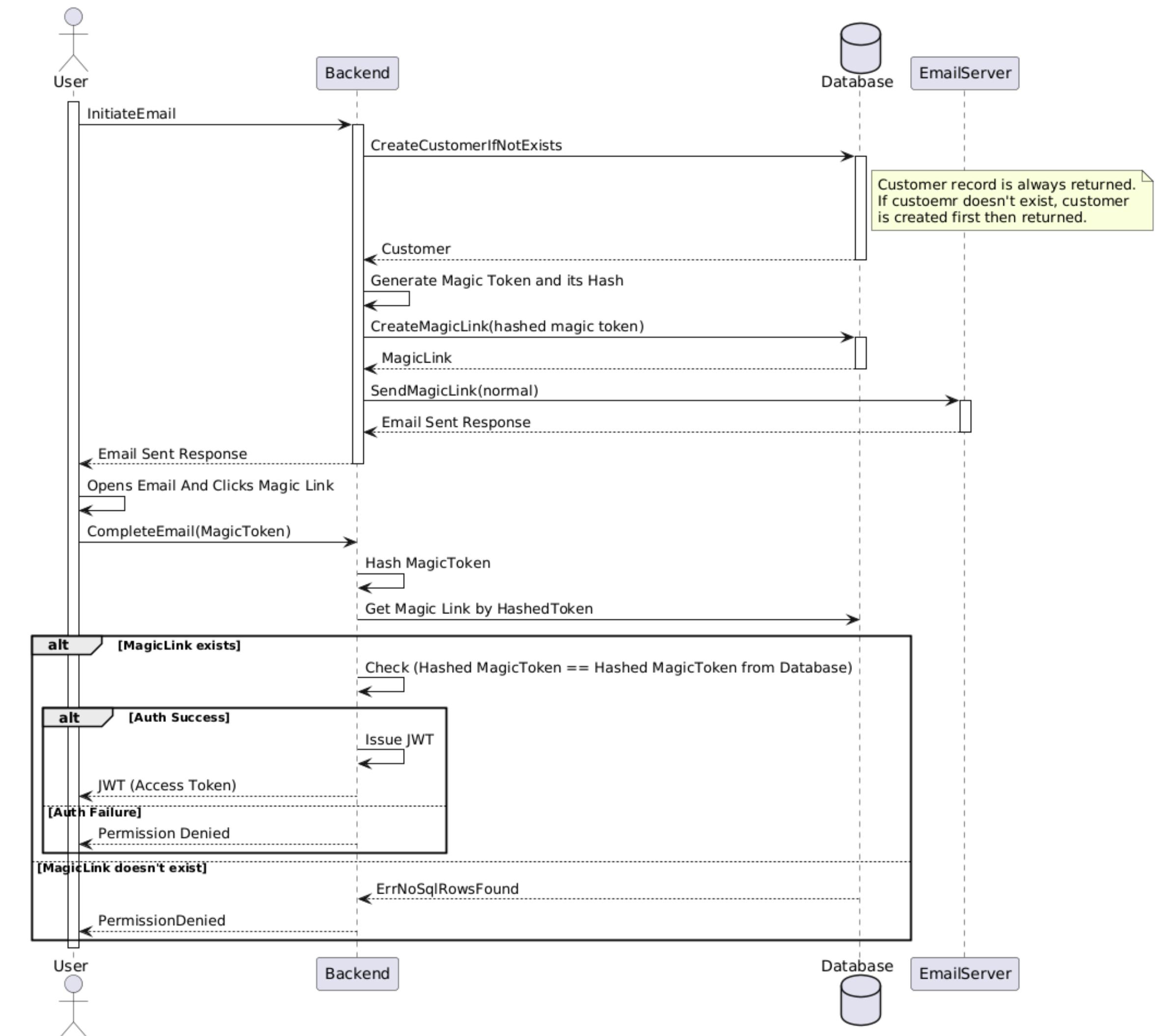
## Main Use Cases:

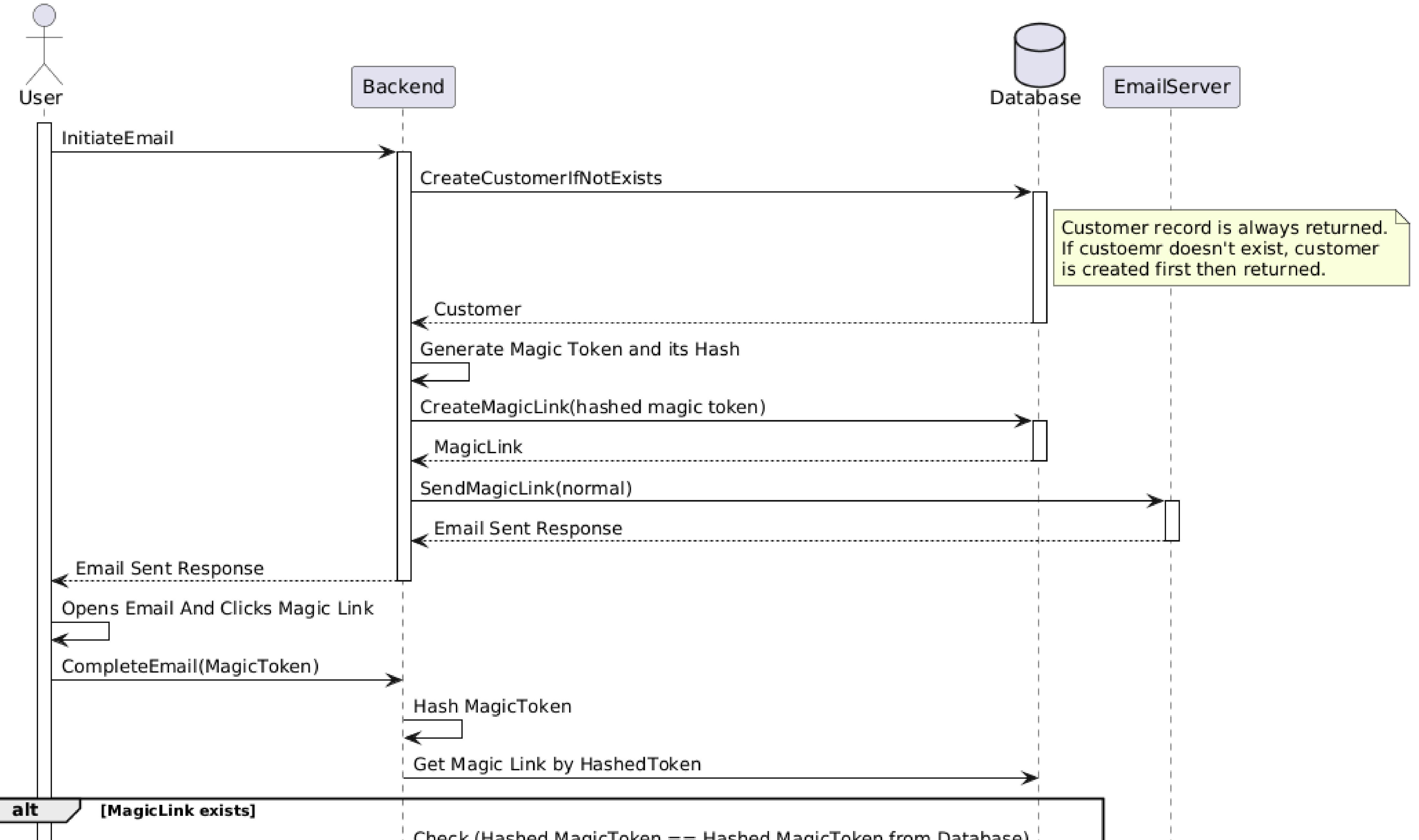
- **Connect WhatsApp:** Extract events effortlessly.
- **Manage Scheduling Conflicts:** Get smart suggestions for overlaps.
- **View Integrated Calendar:** See all your events in one place.

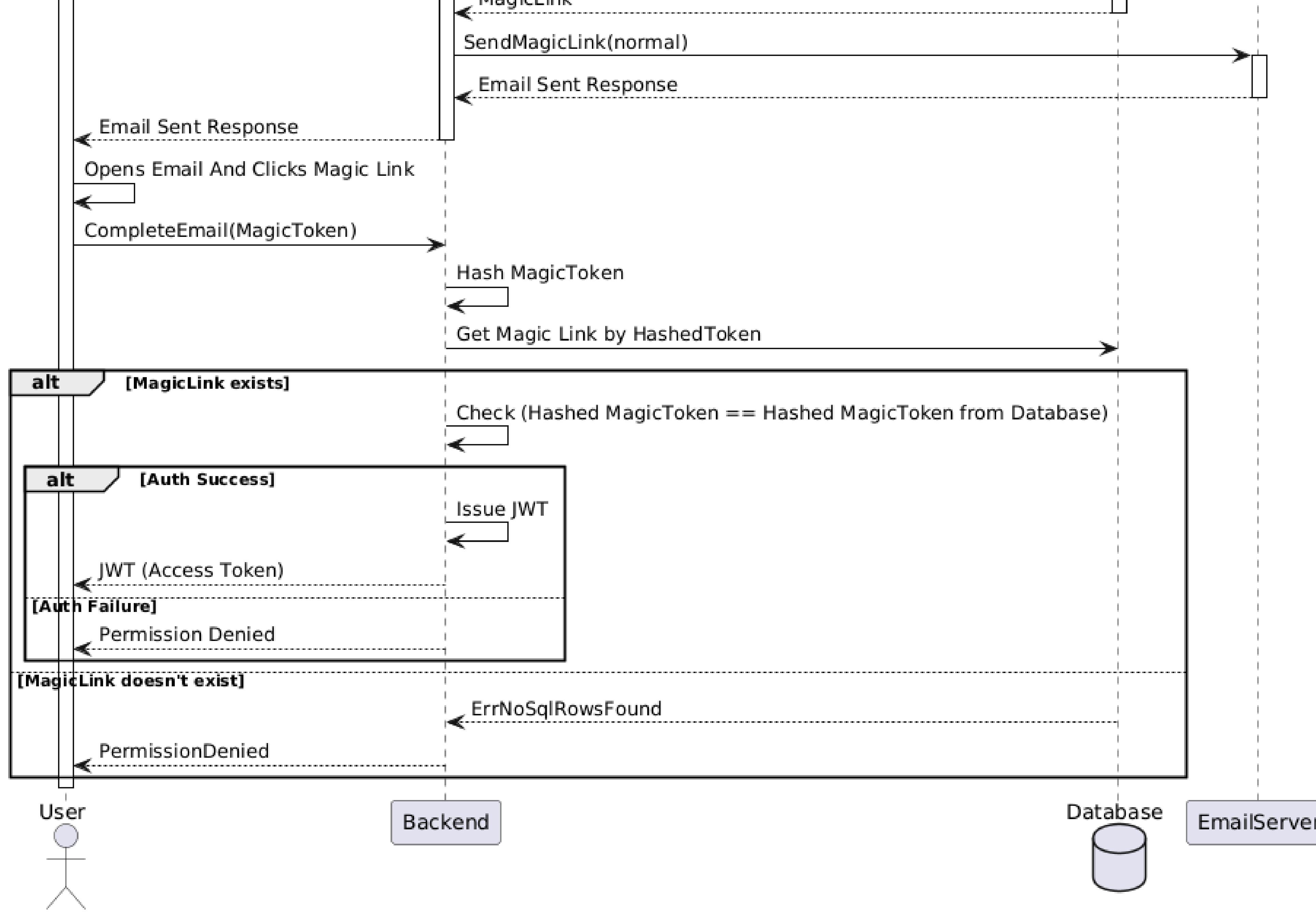
# Use Cases



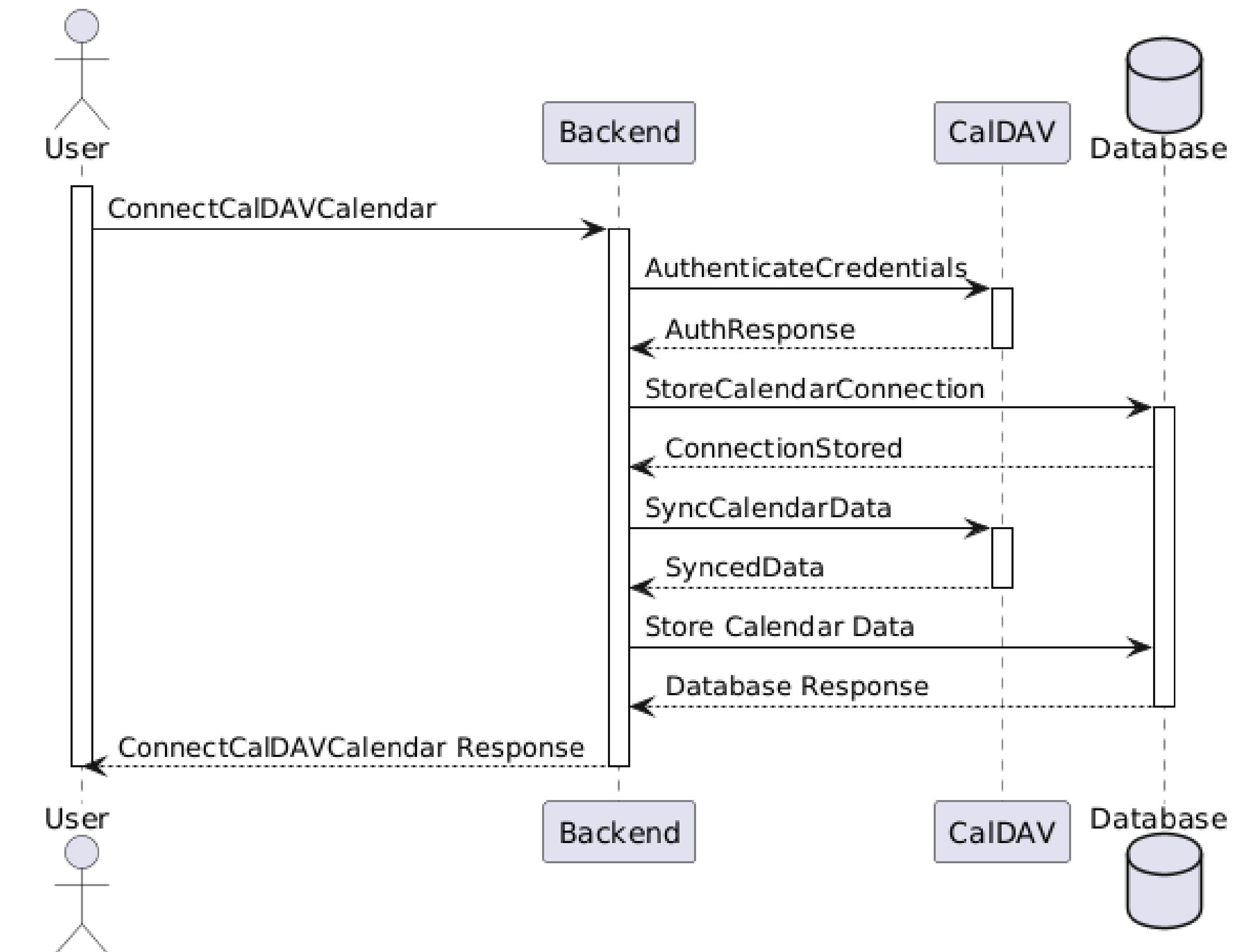
# Sequence Diagram: Continue with Email

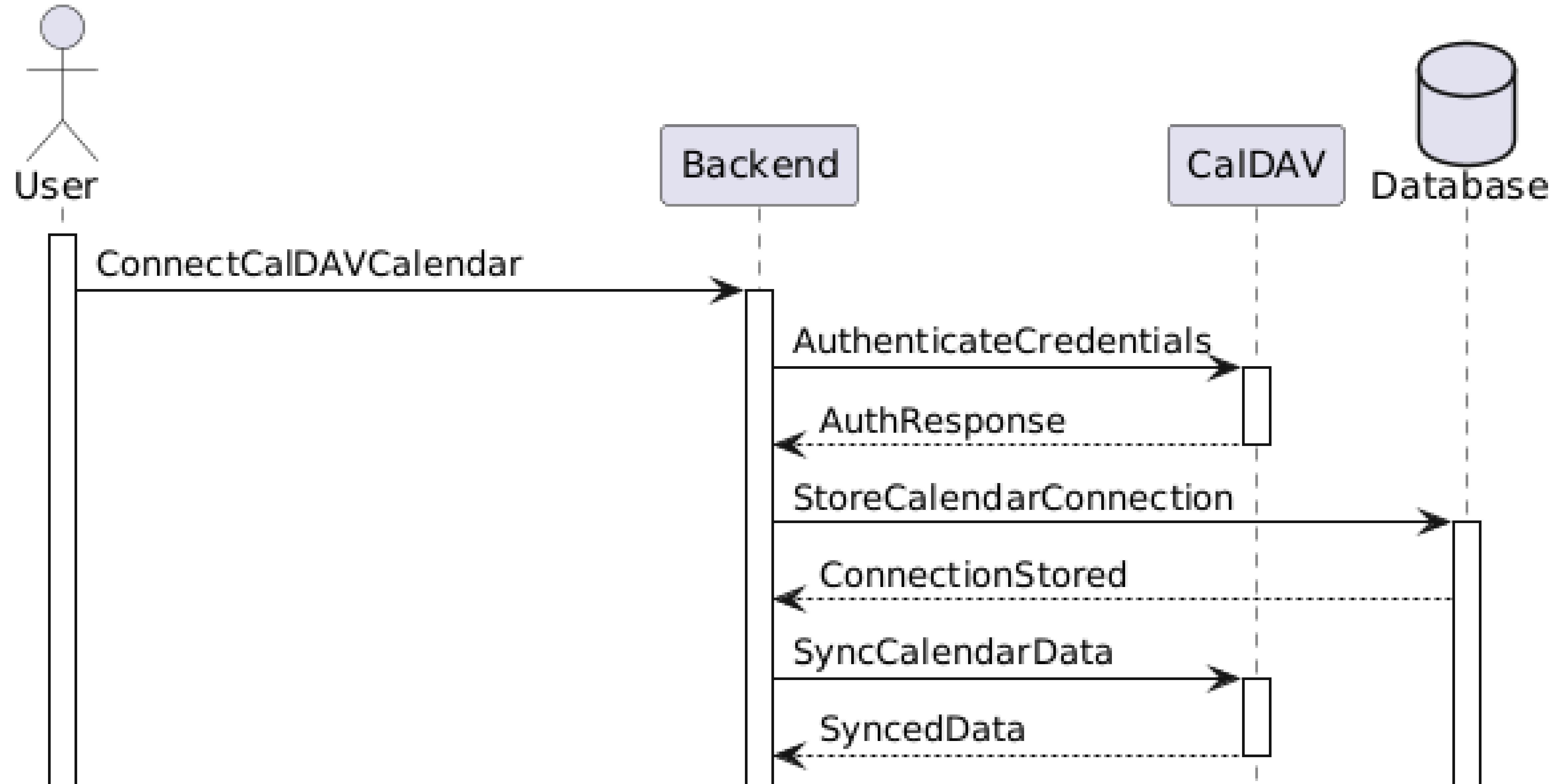


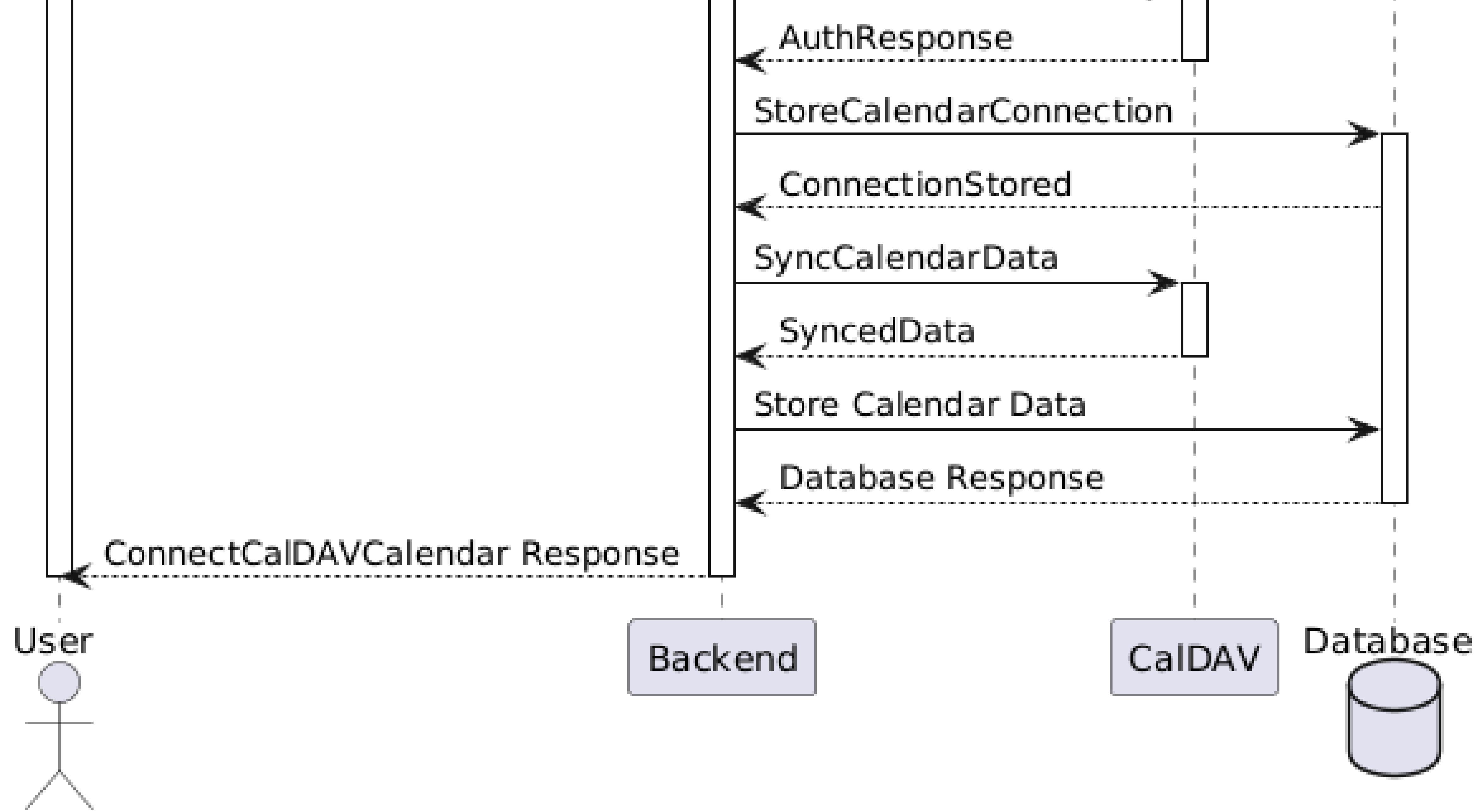




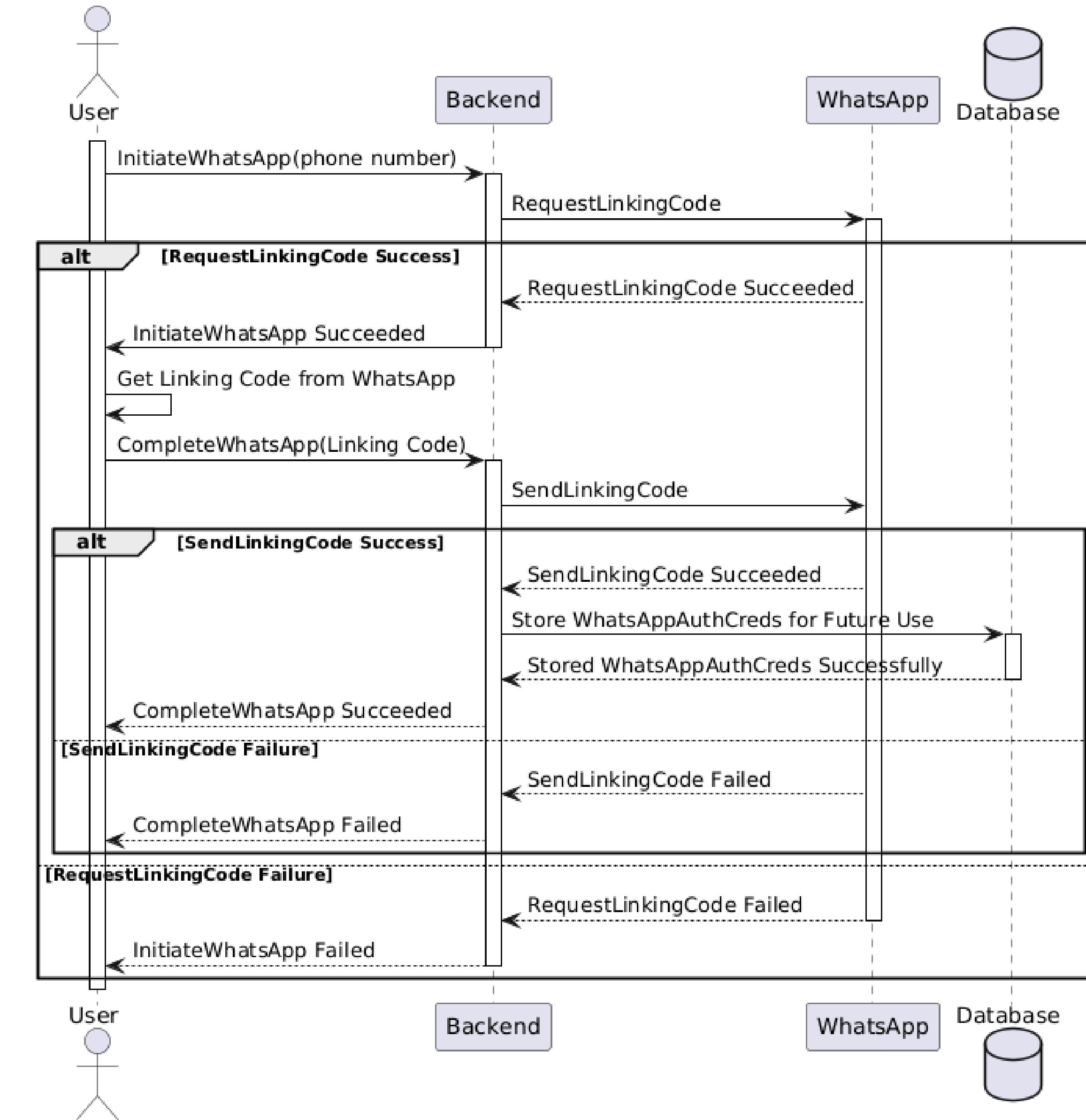
# Sequence Diagram: Connect Calendar

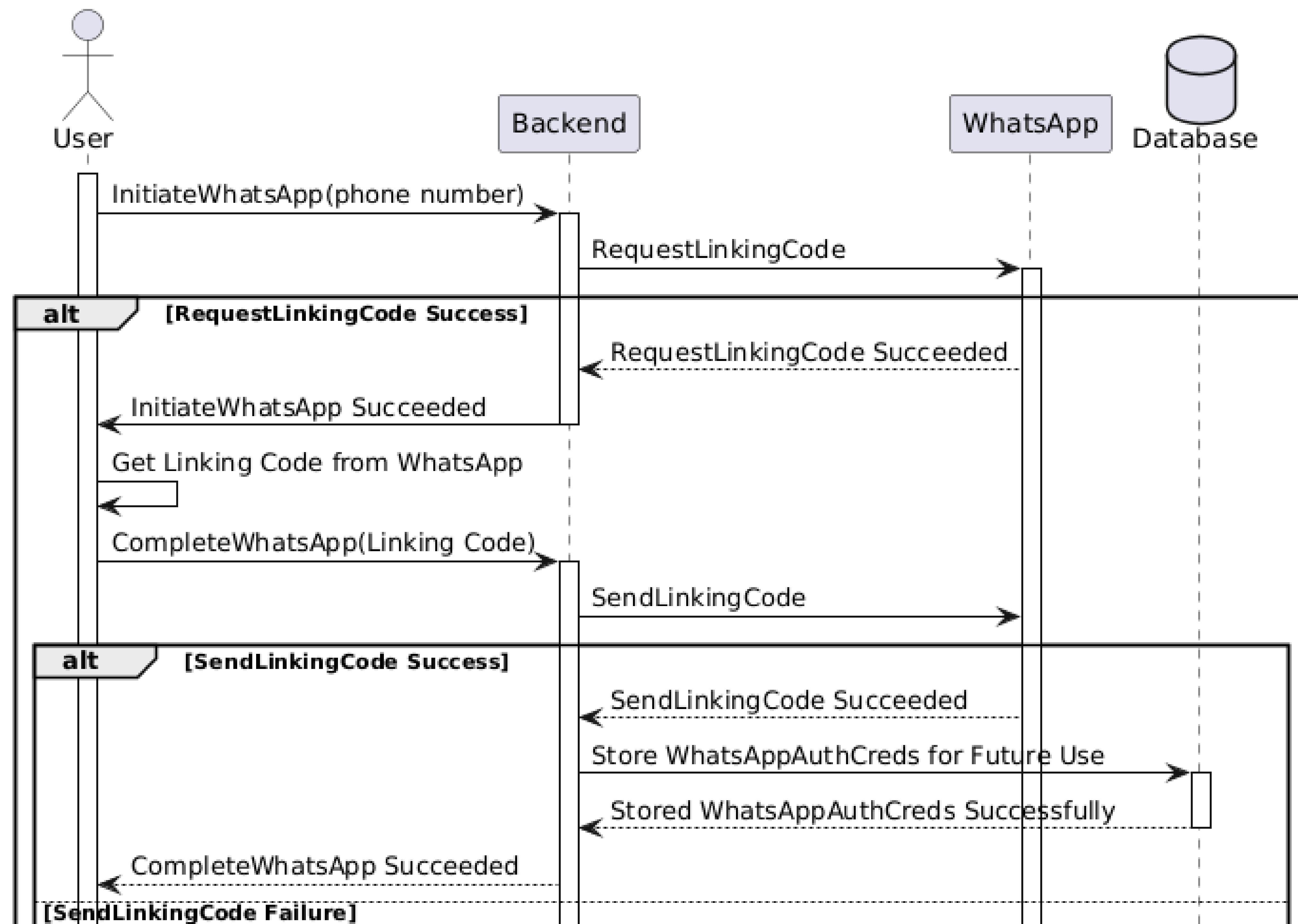


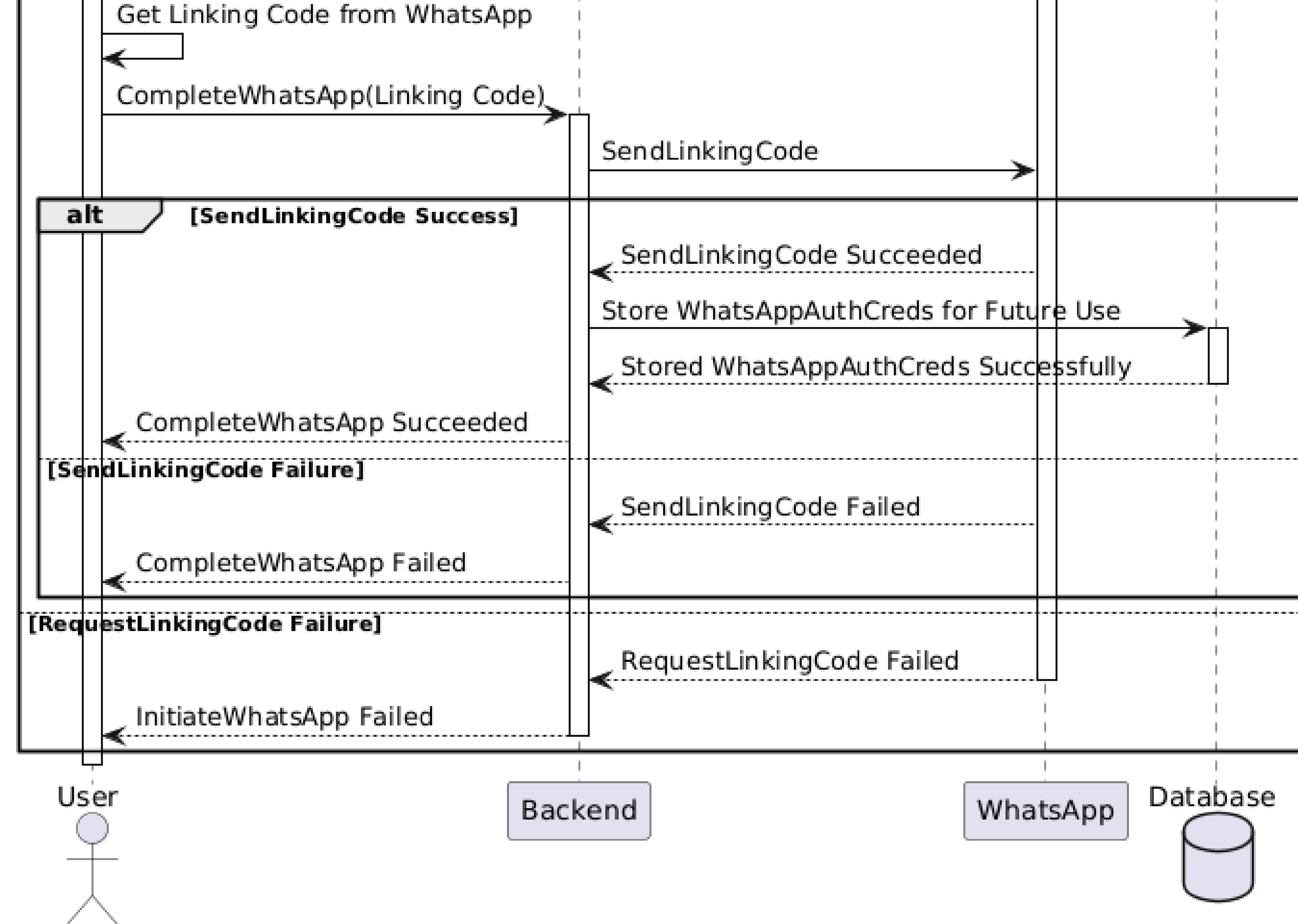




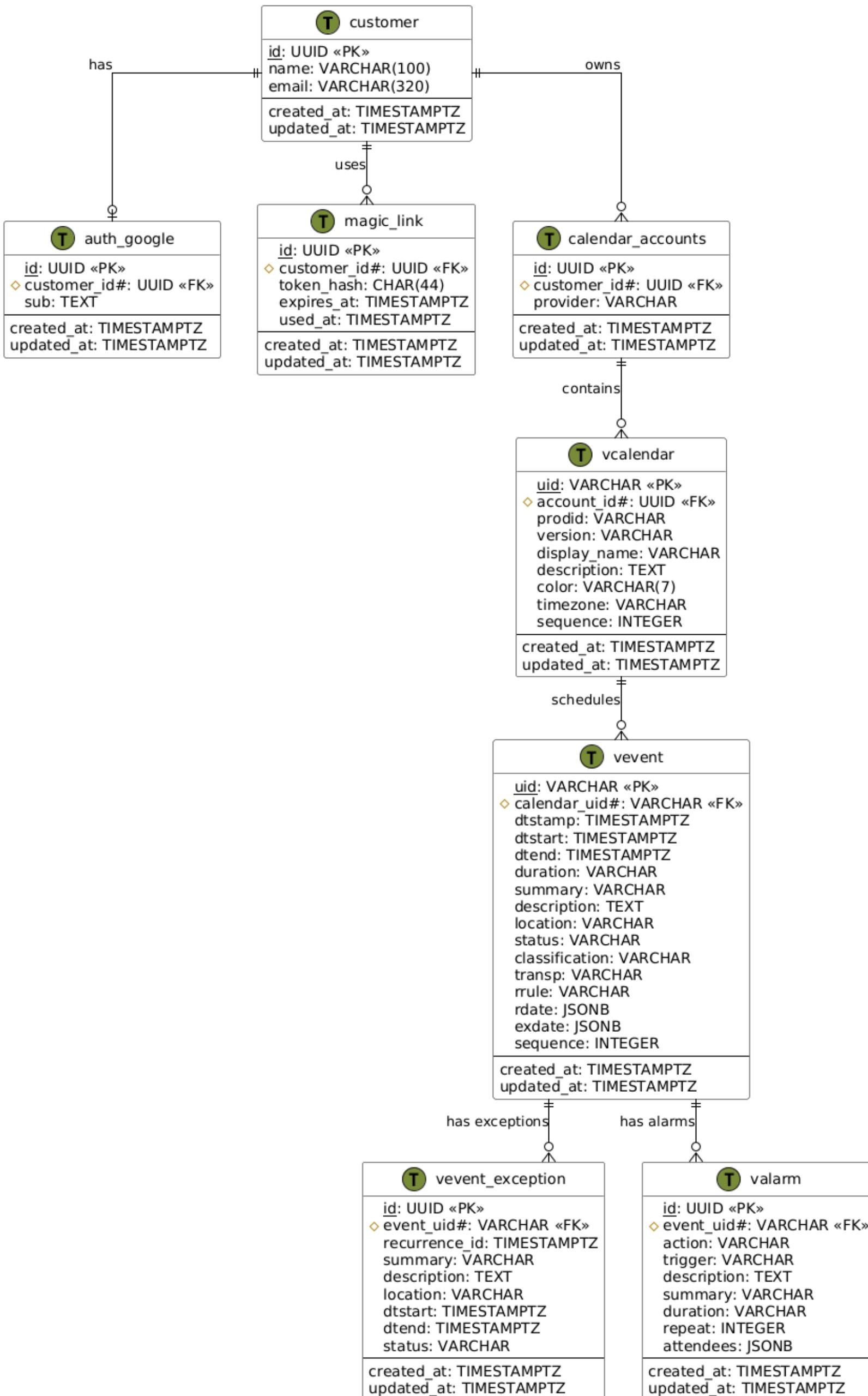
# Sequence Diagram: Connect WhatsApp

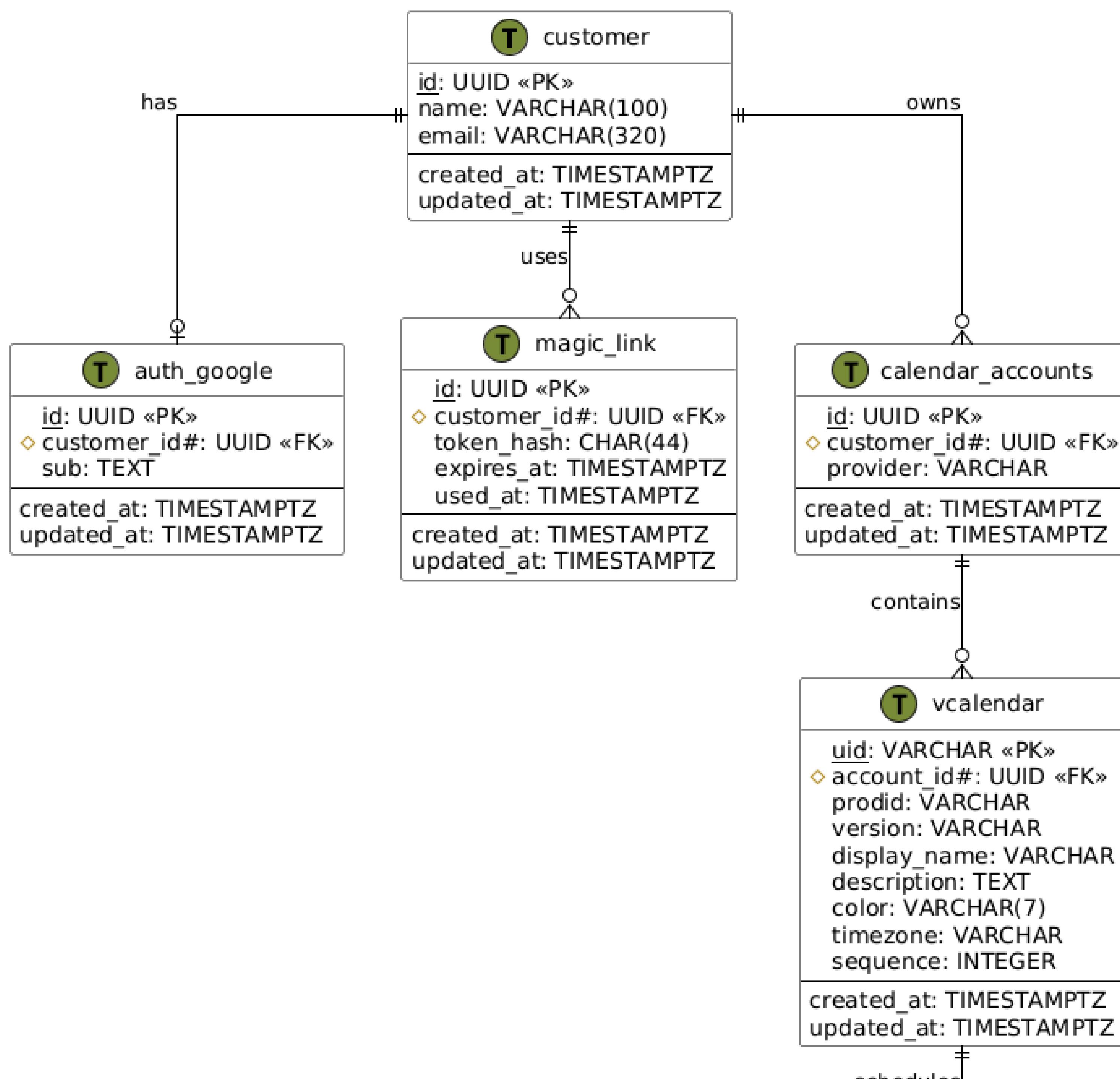


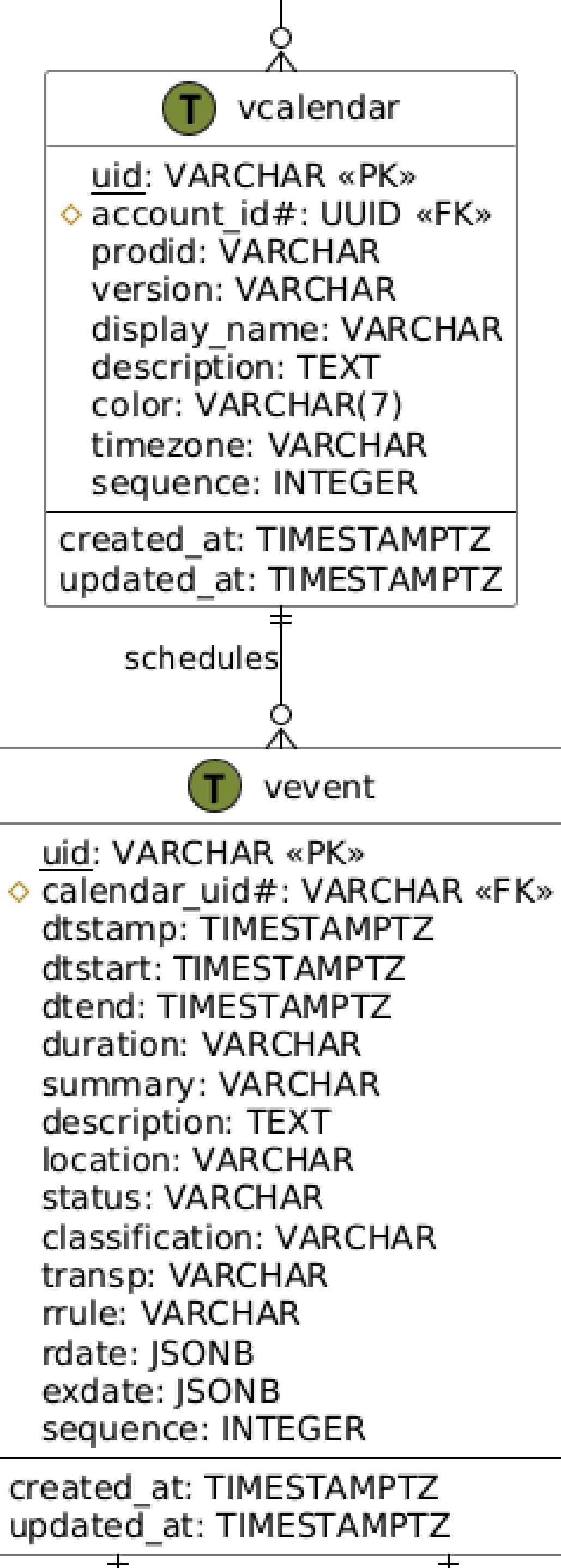


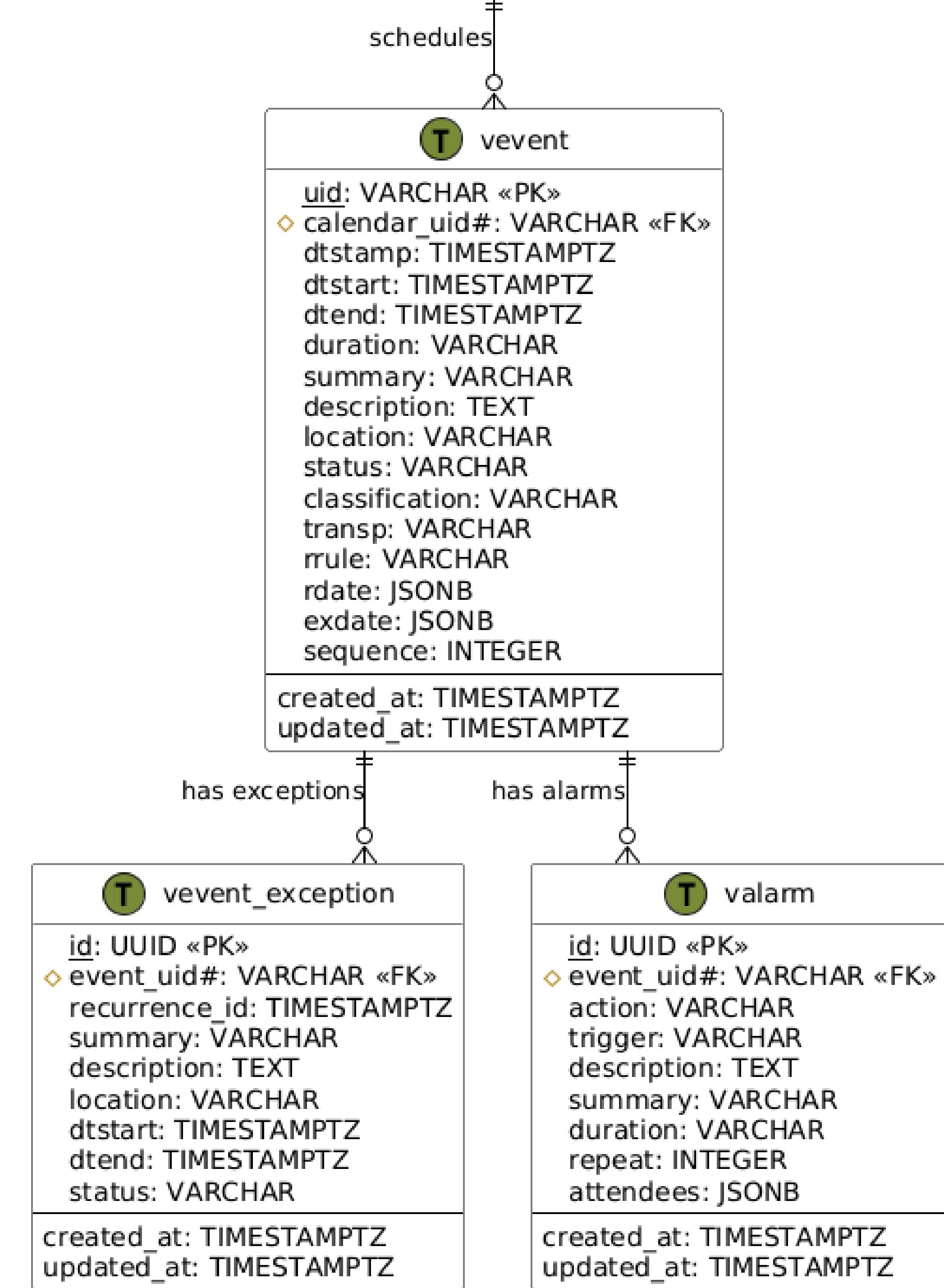


# Database Design

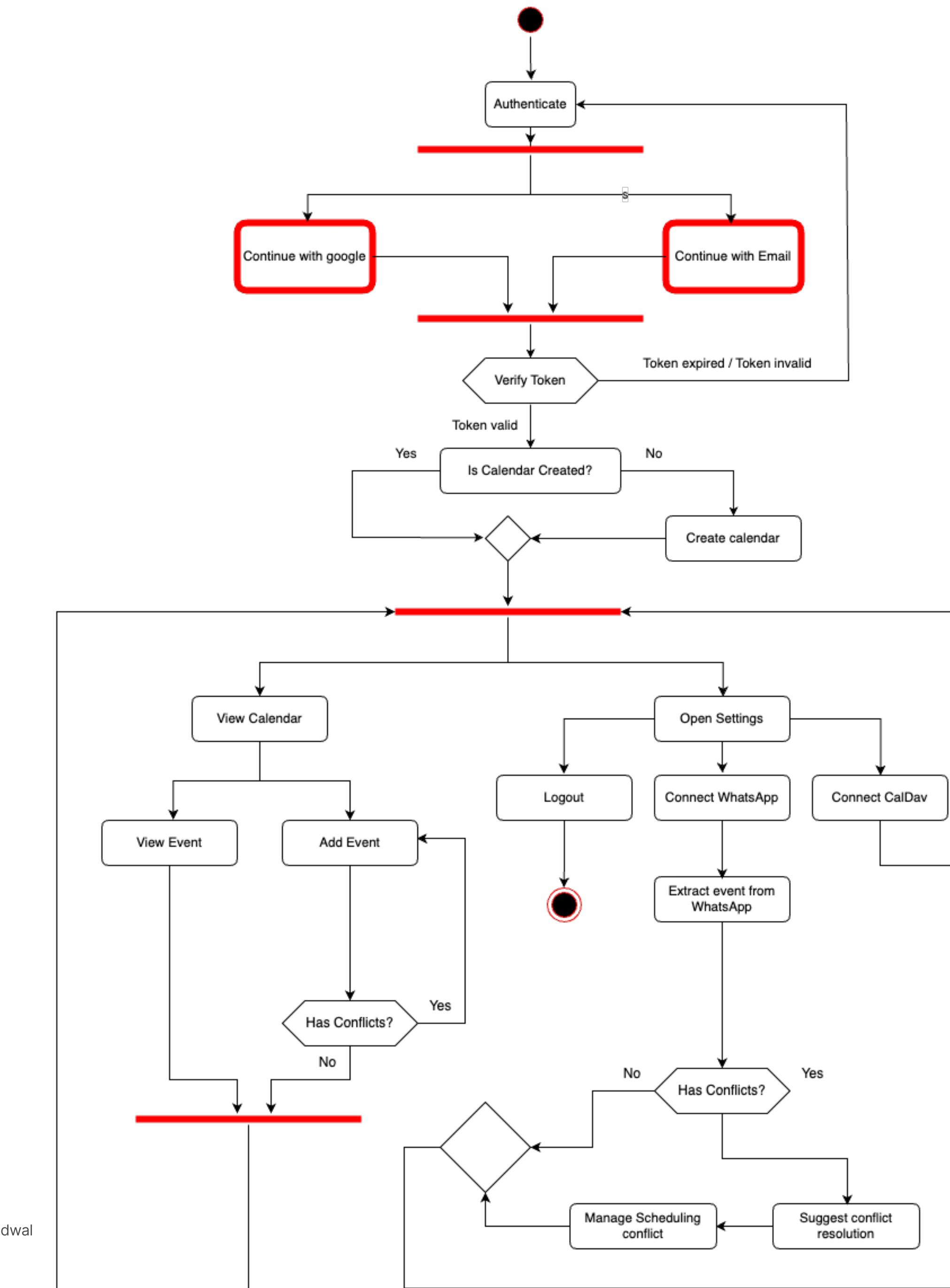




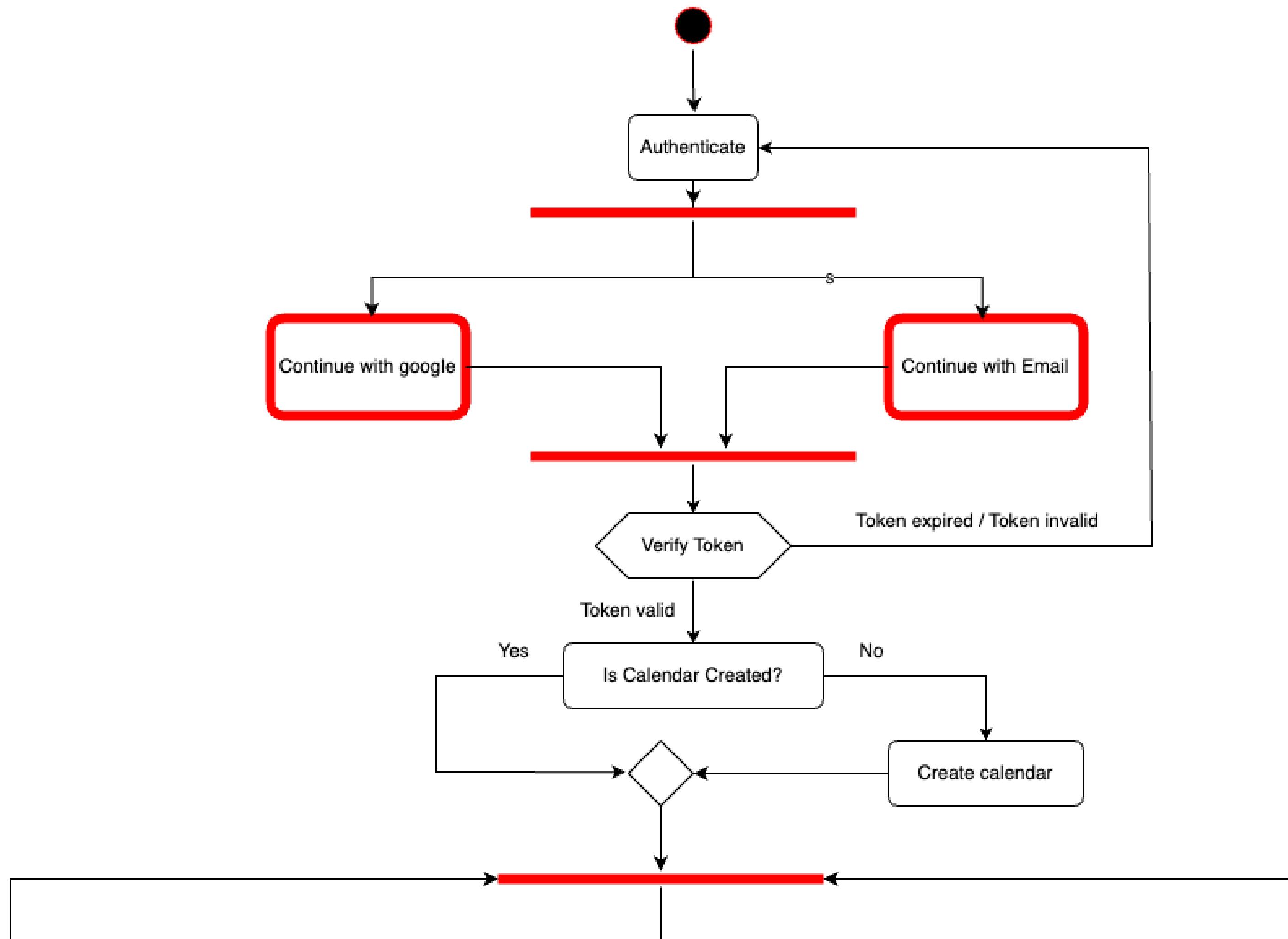




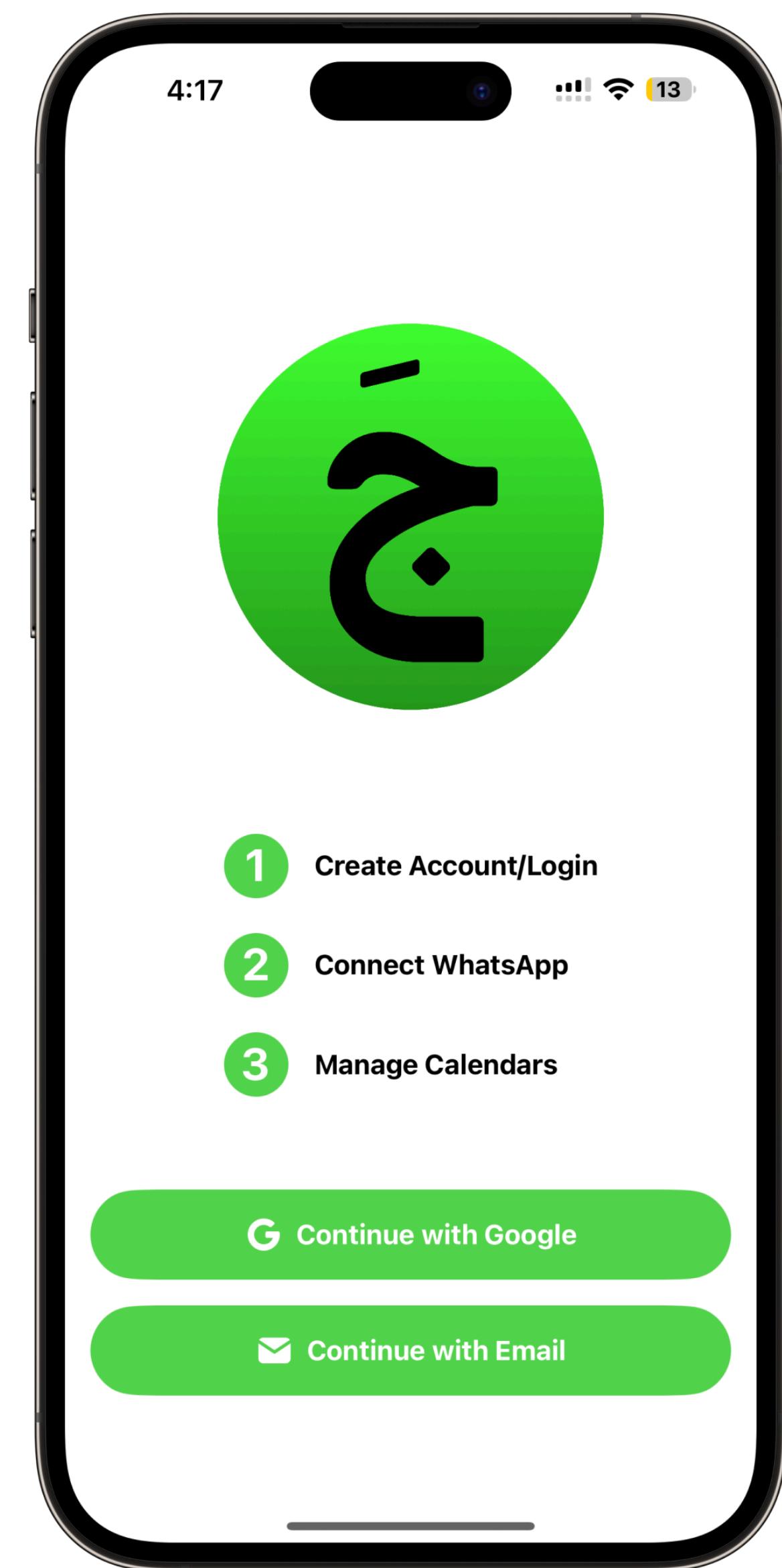
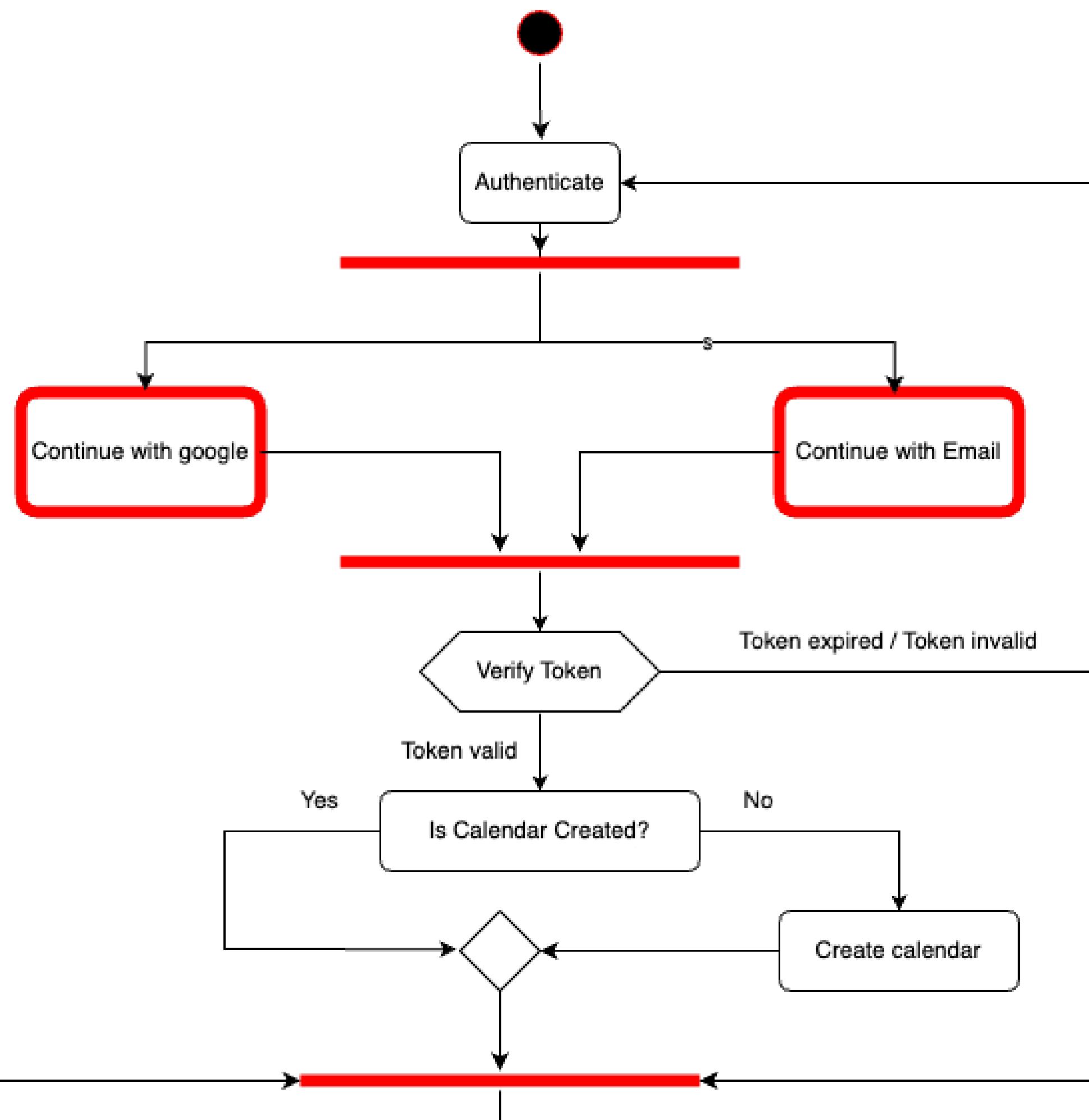
# Activity Diagram – Jadwal in Action



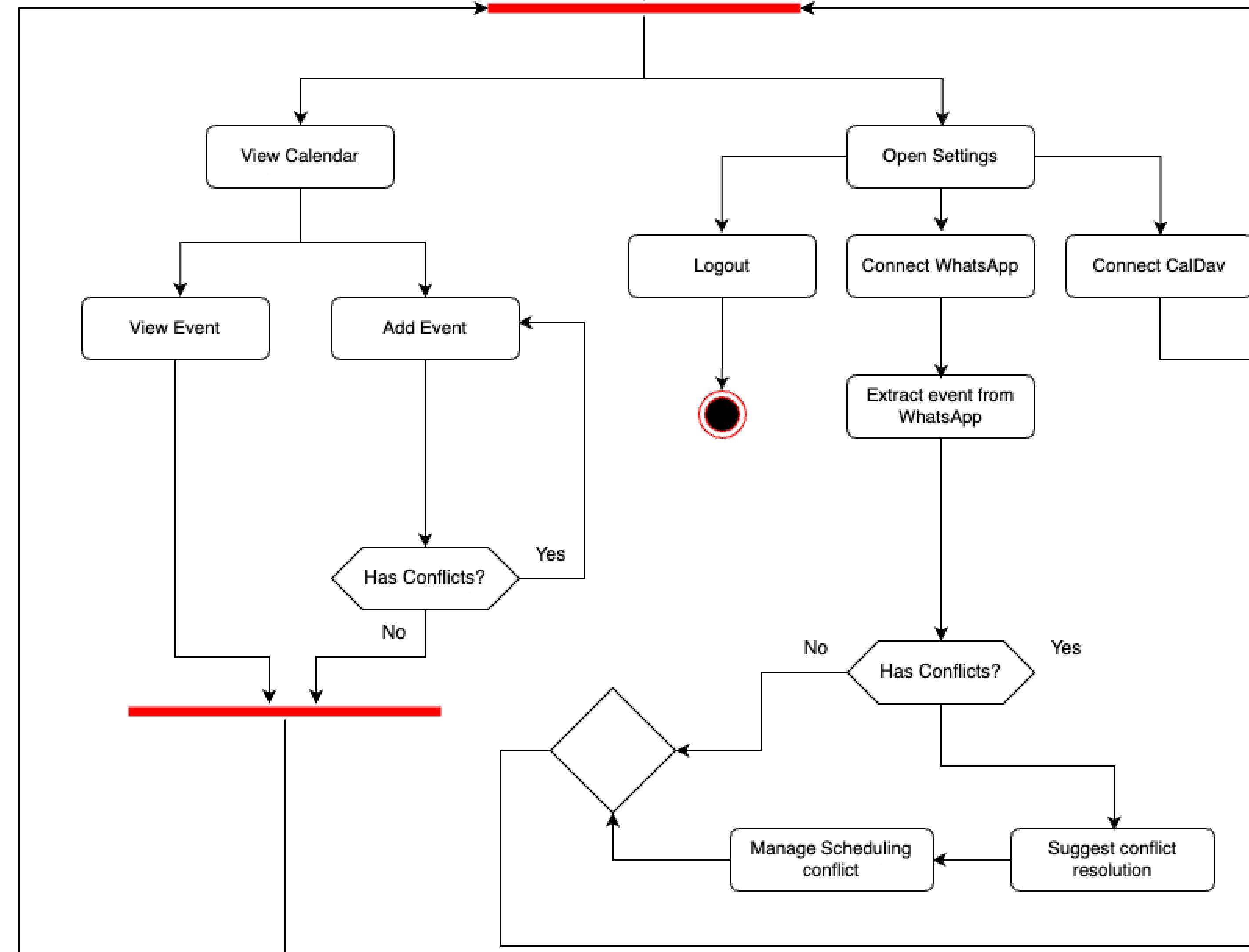
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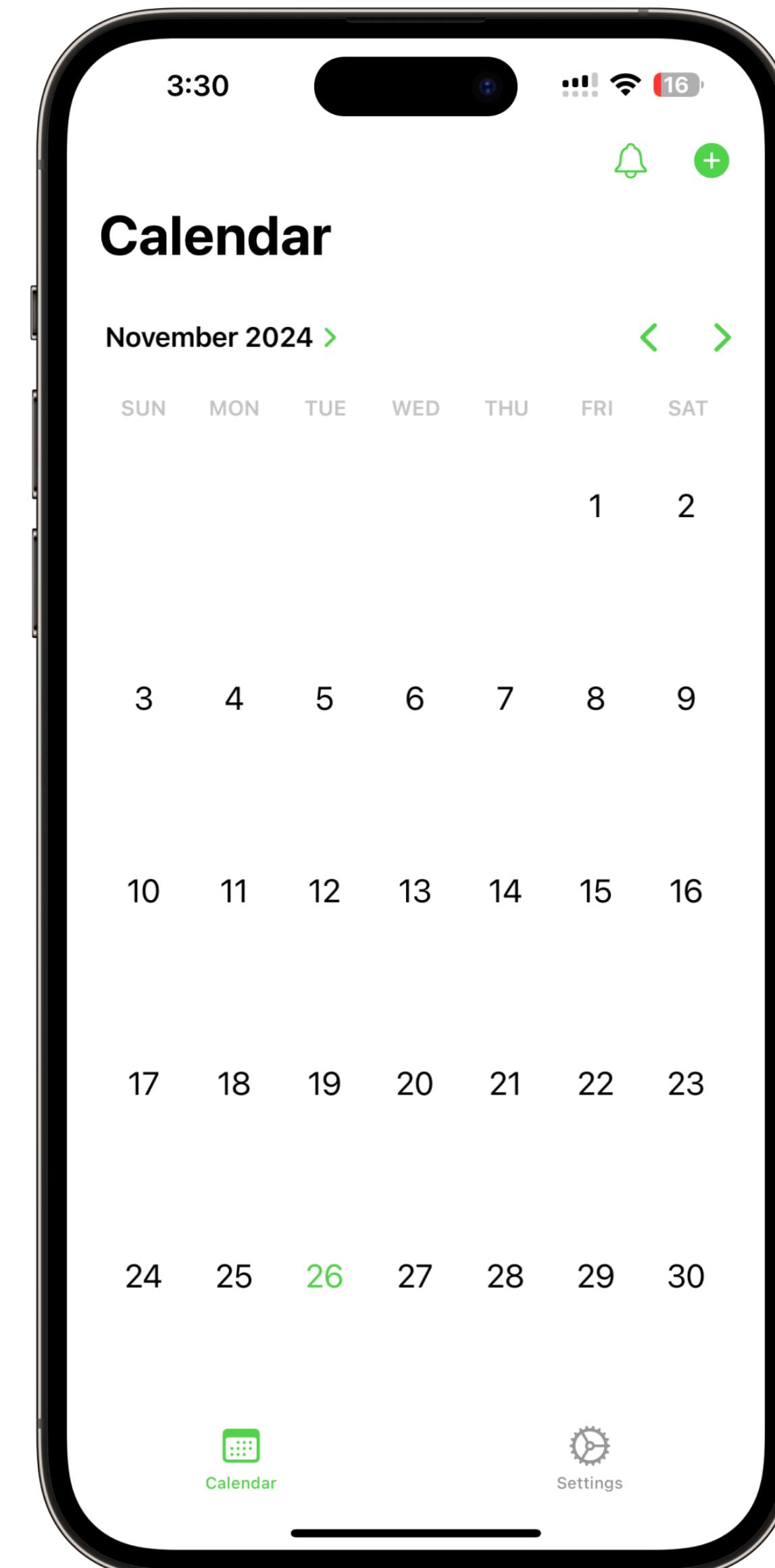
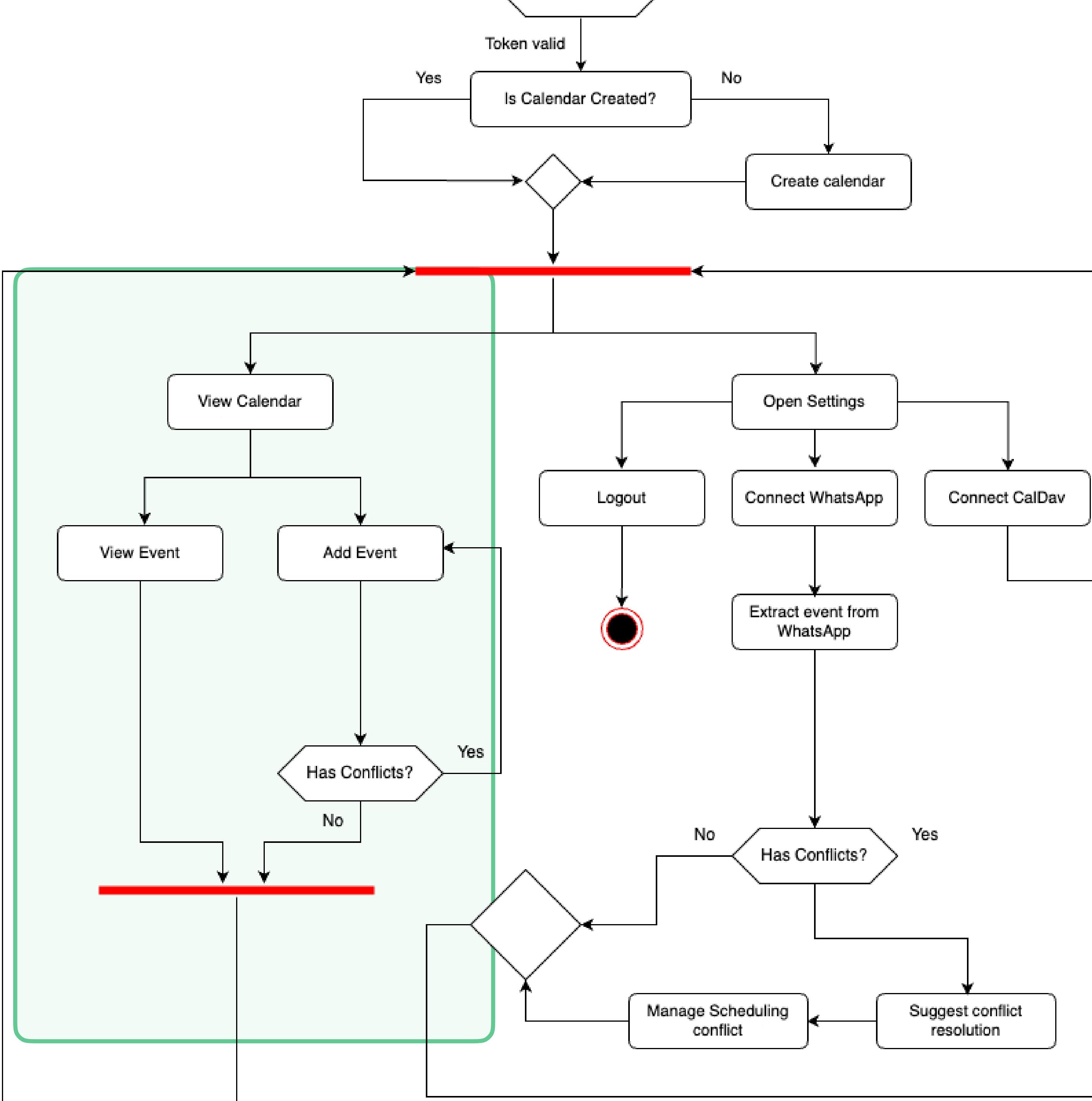


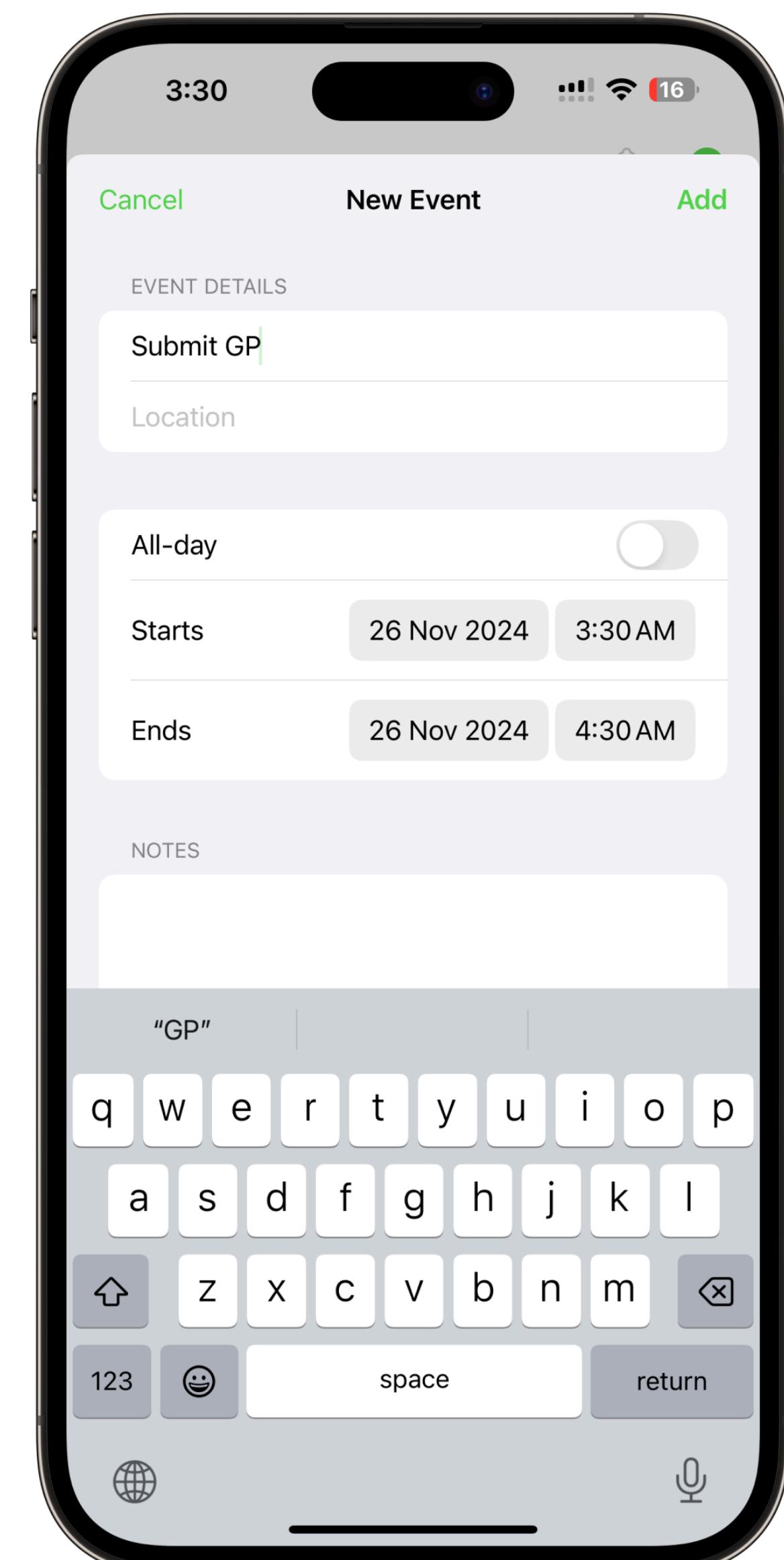
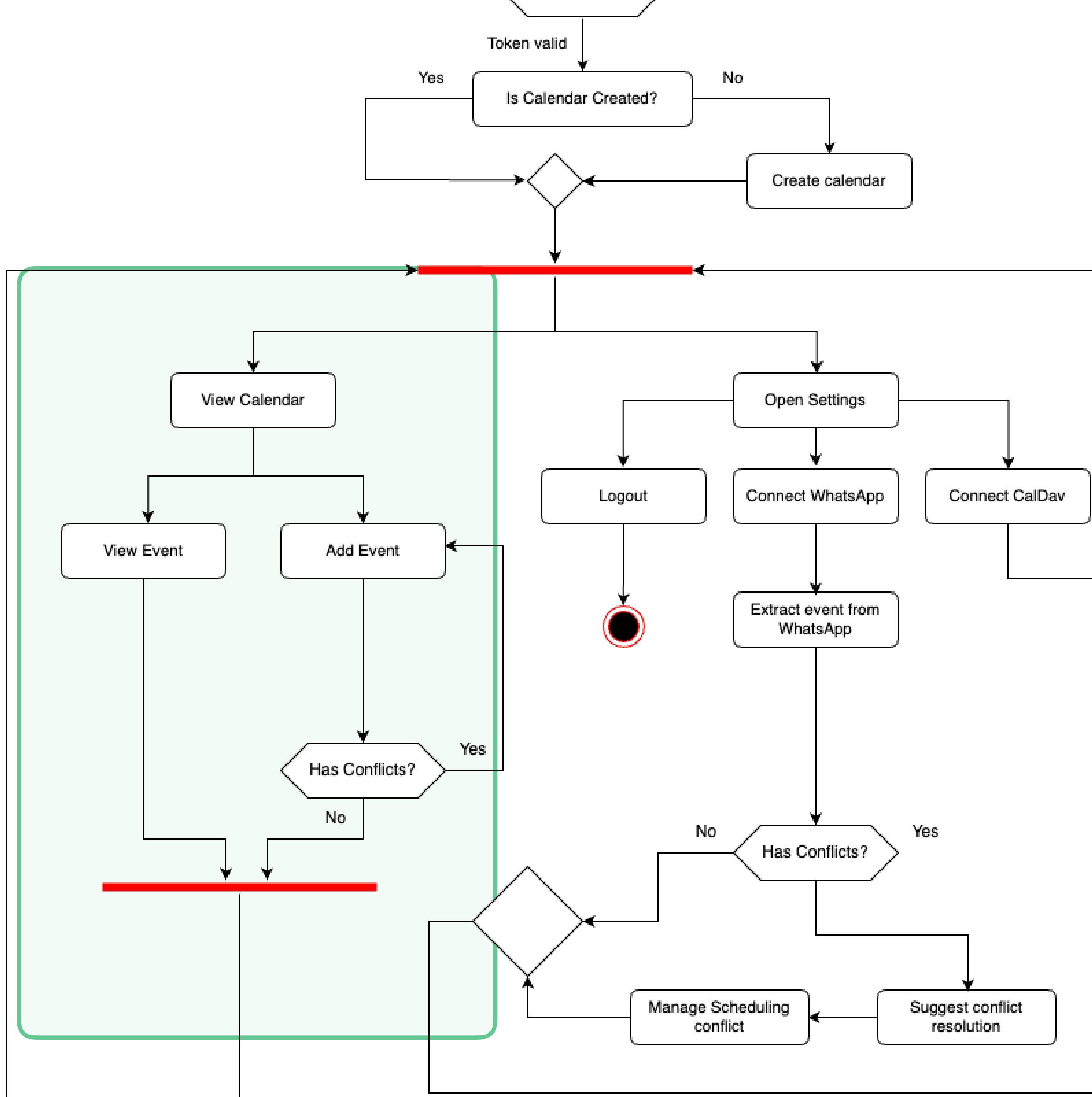
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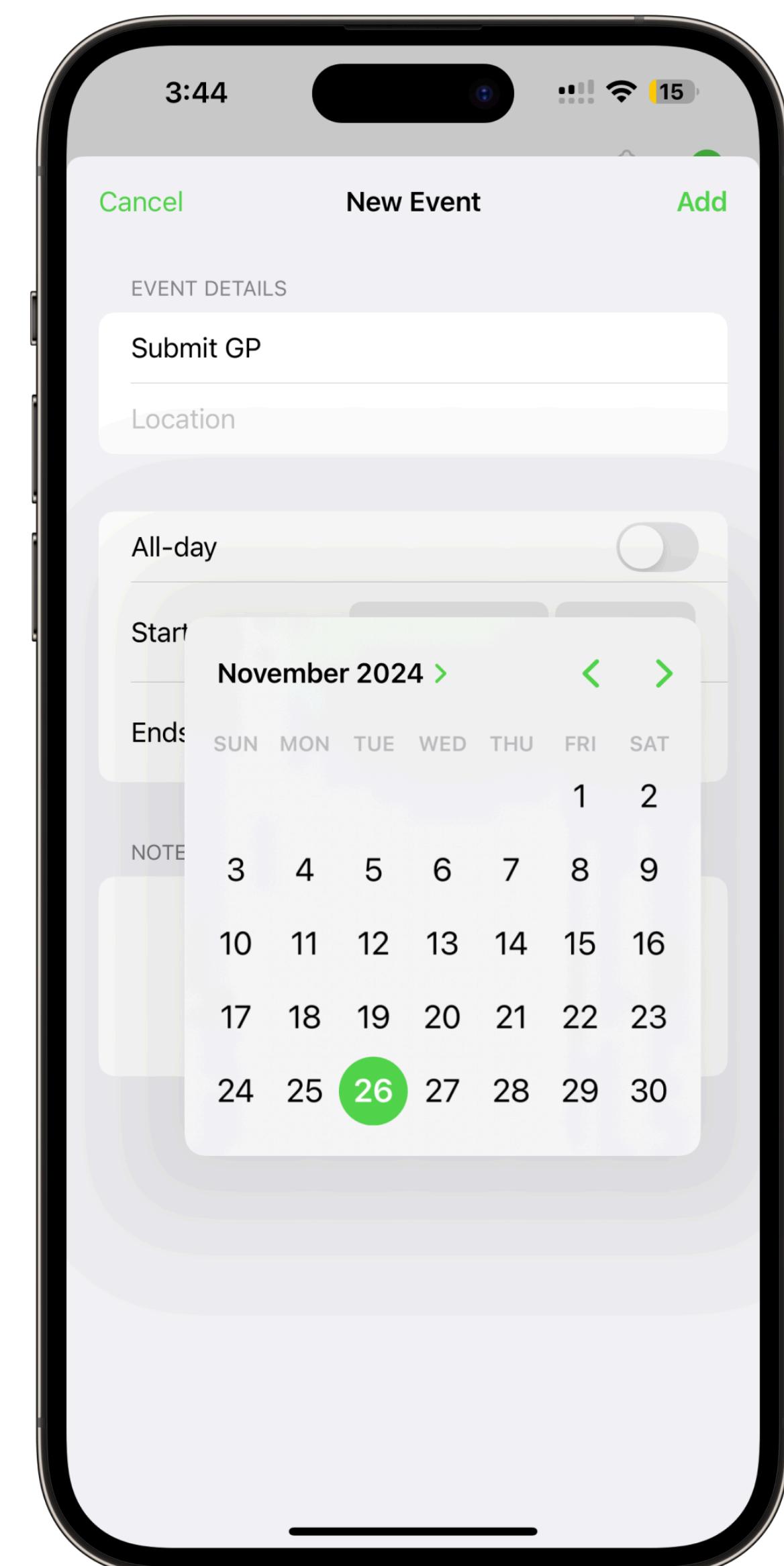
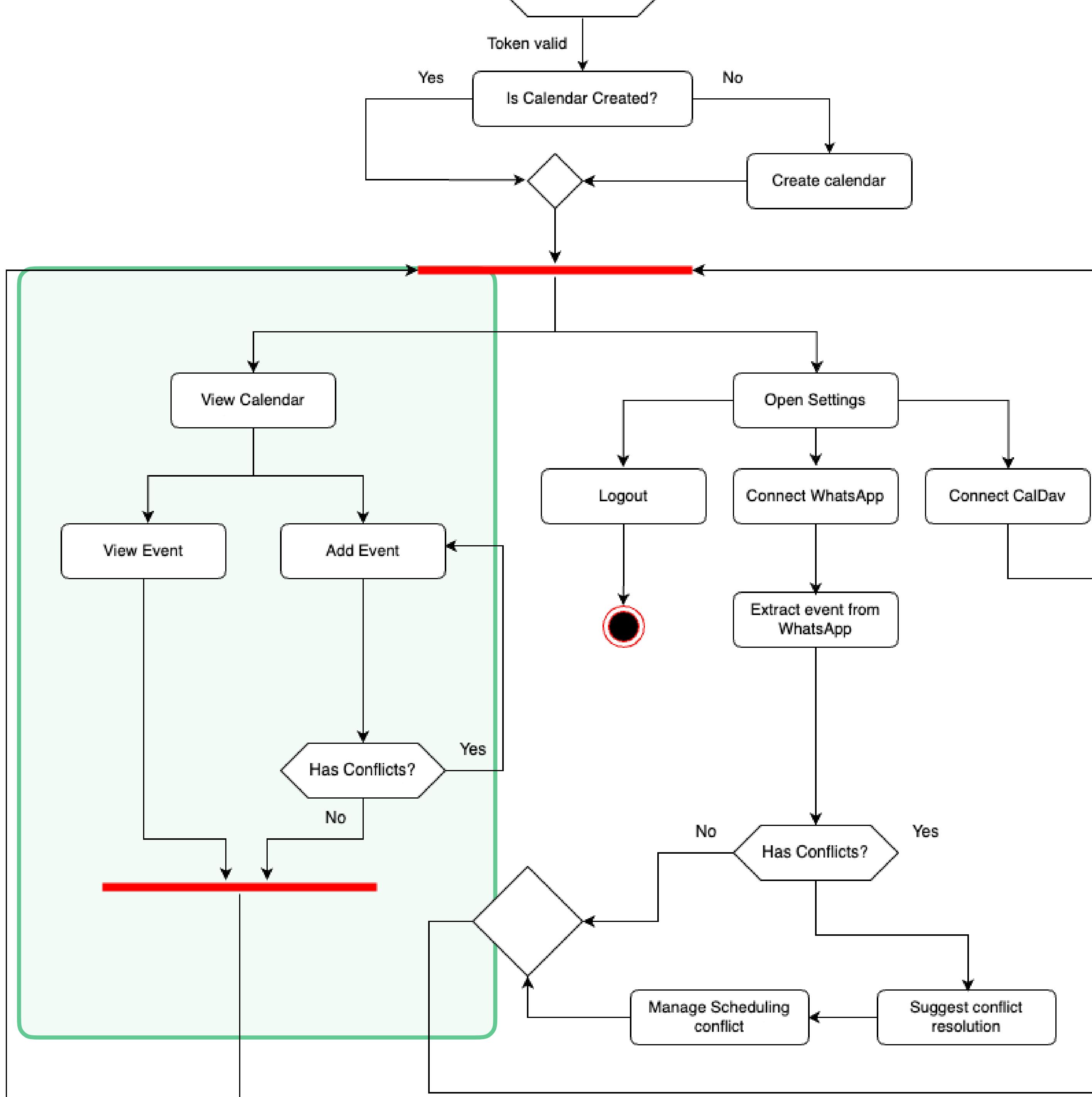


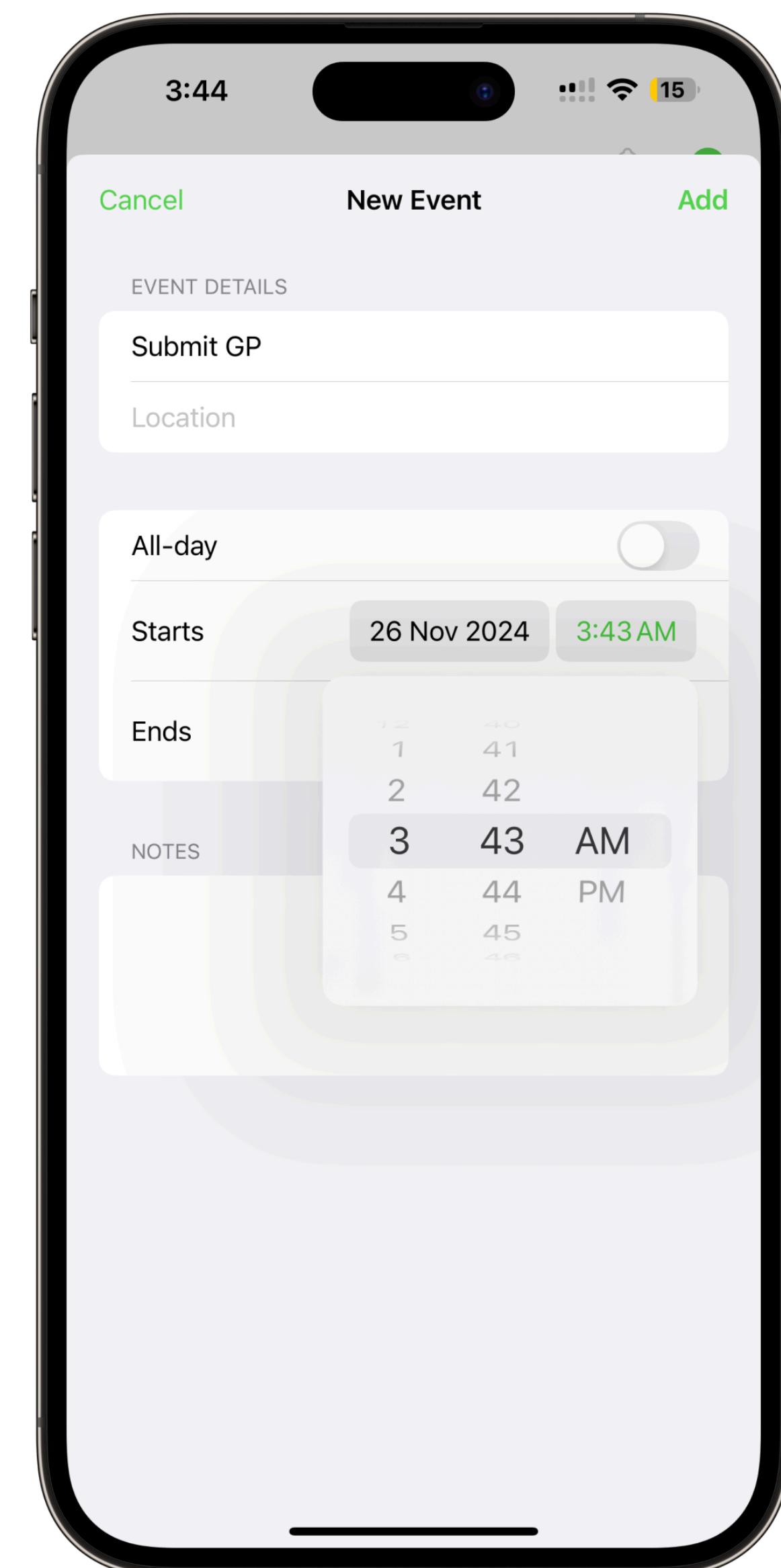
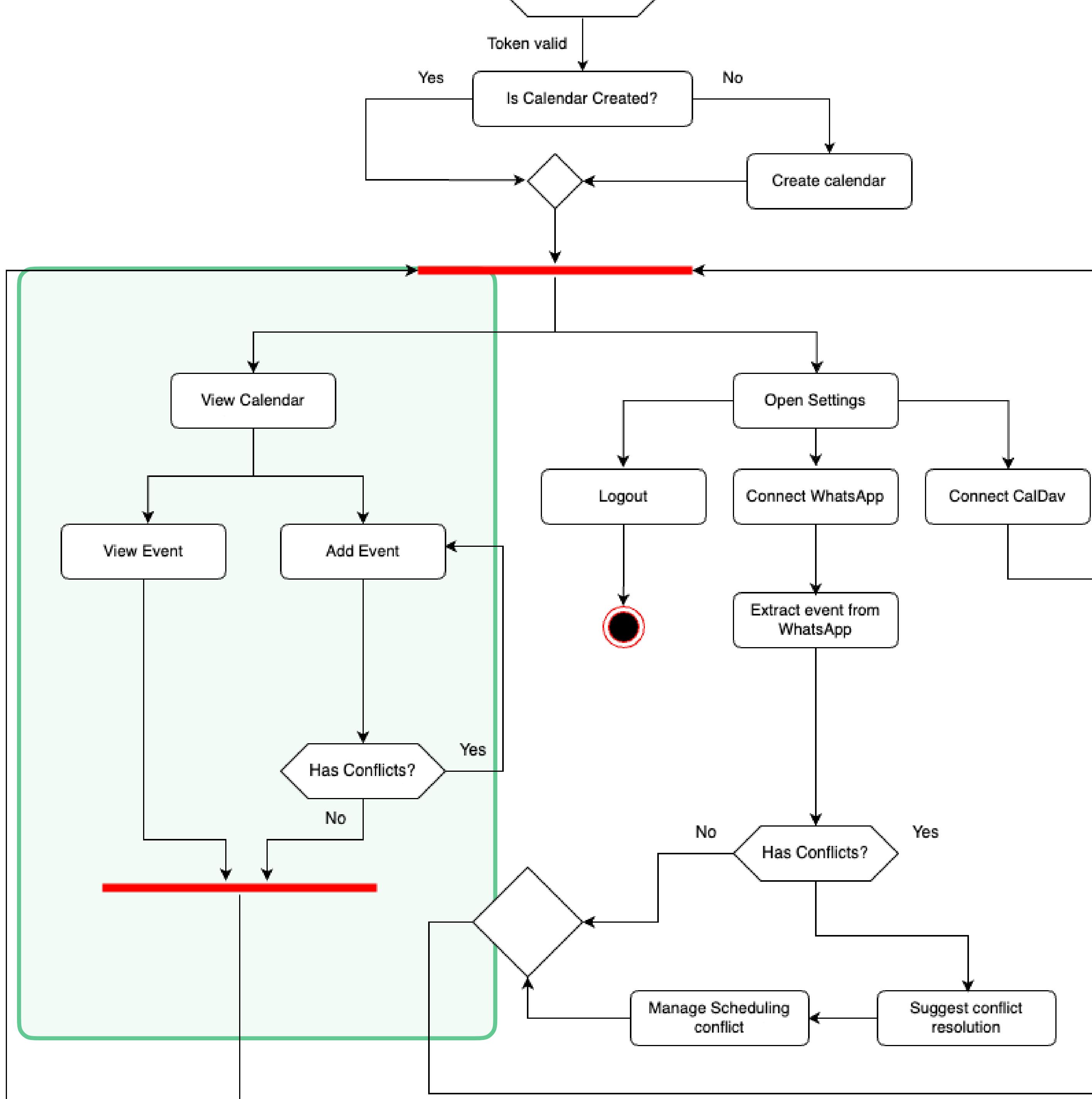
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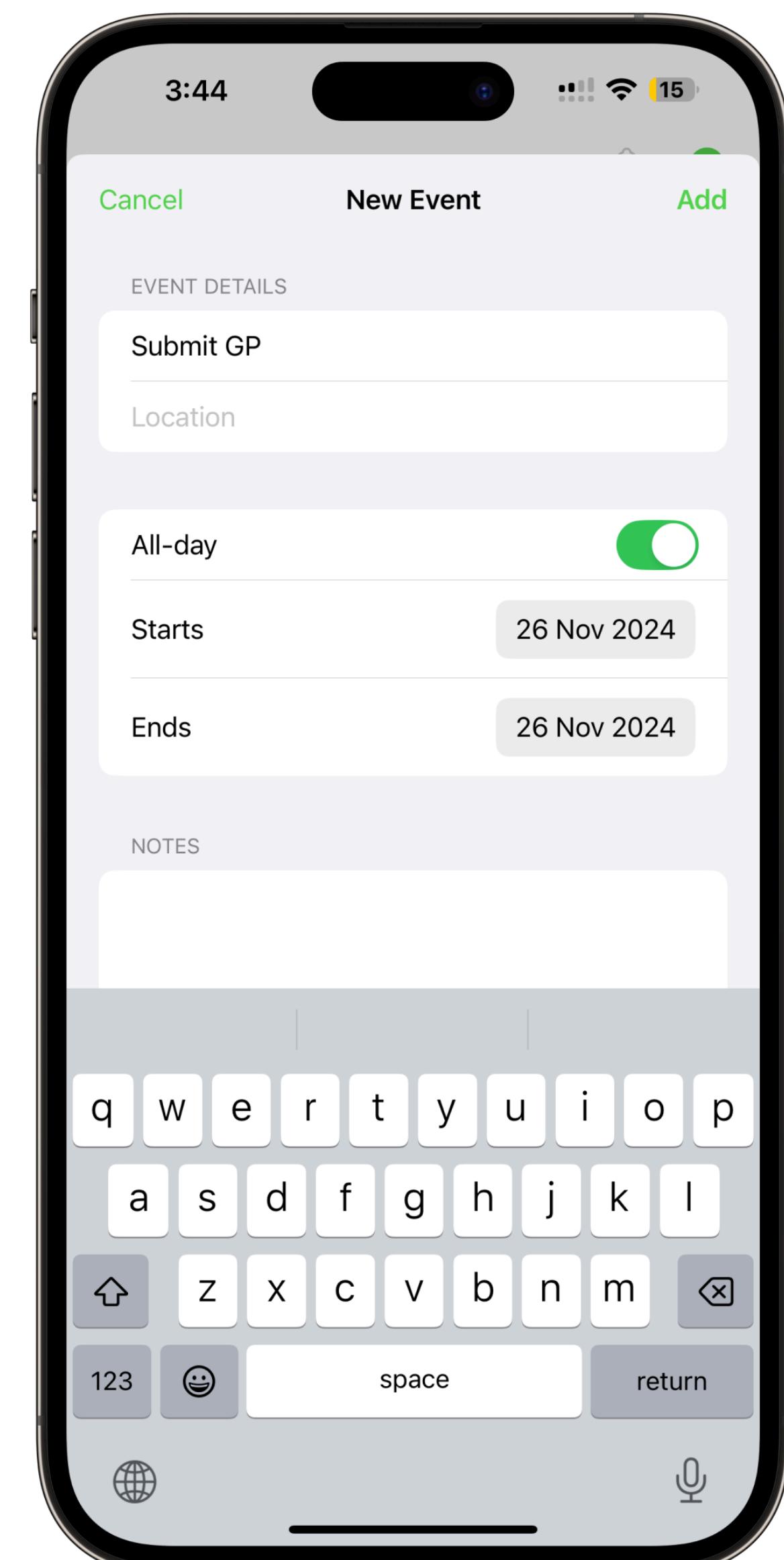
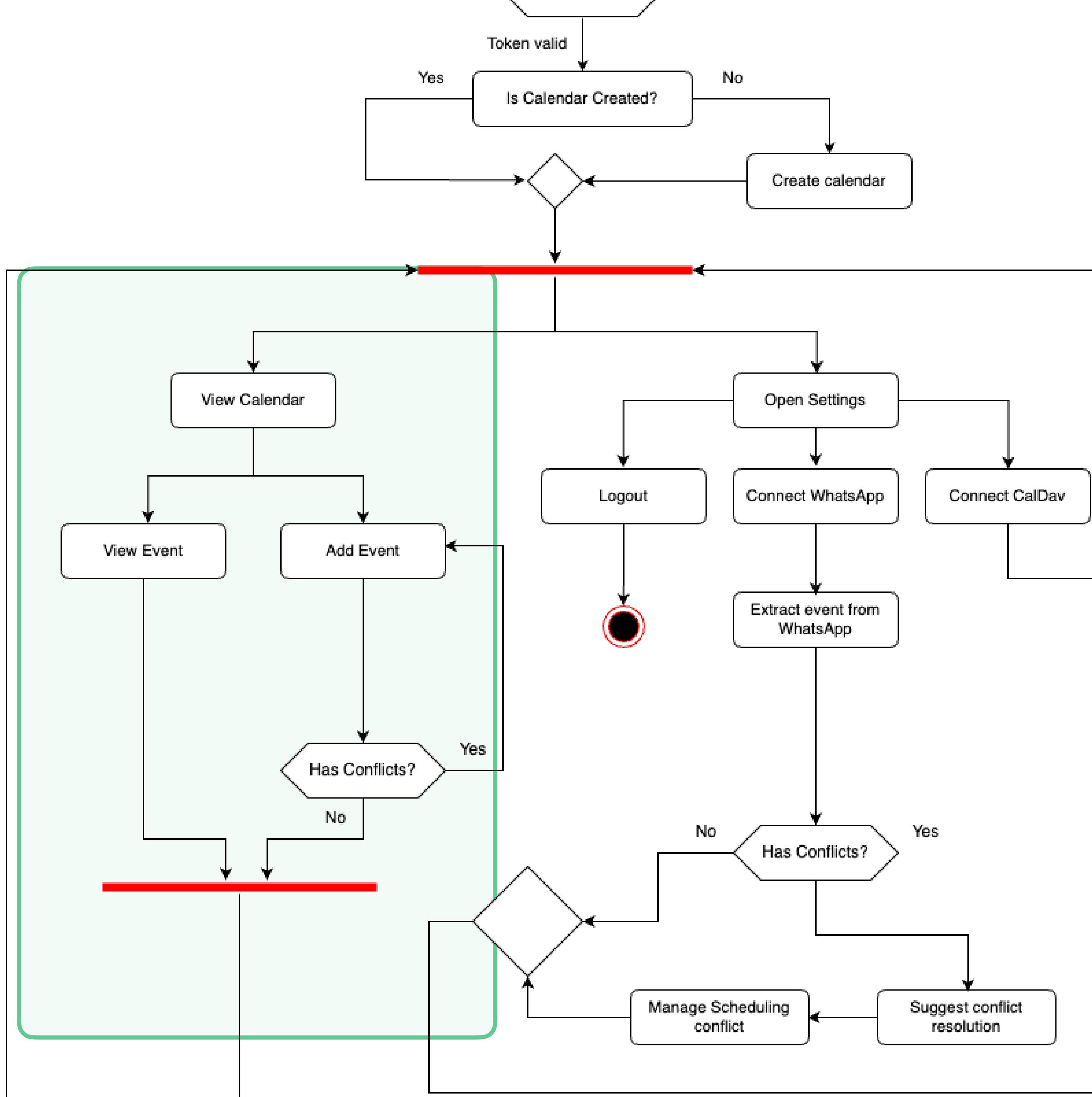


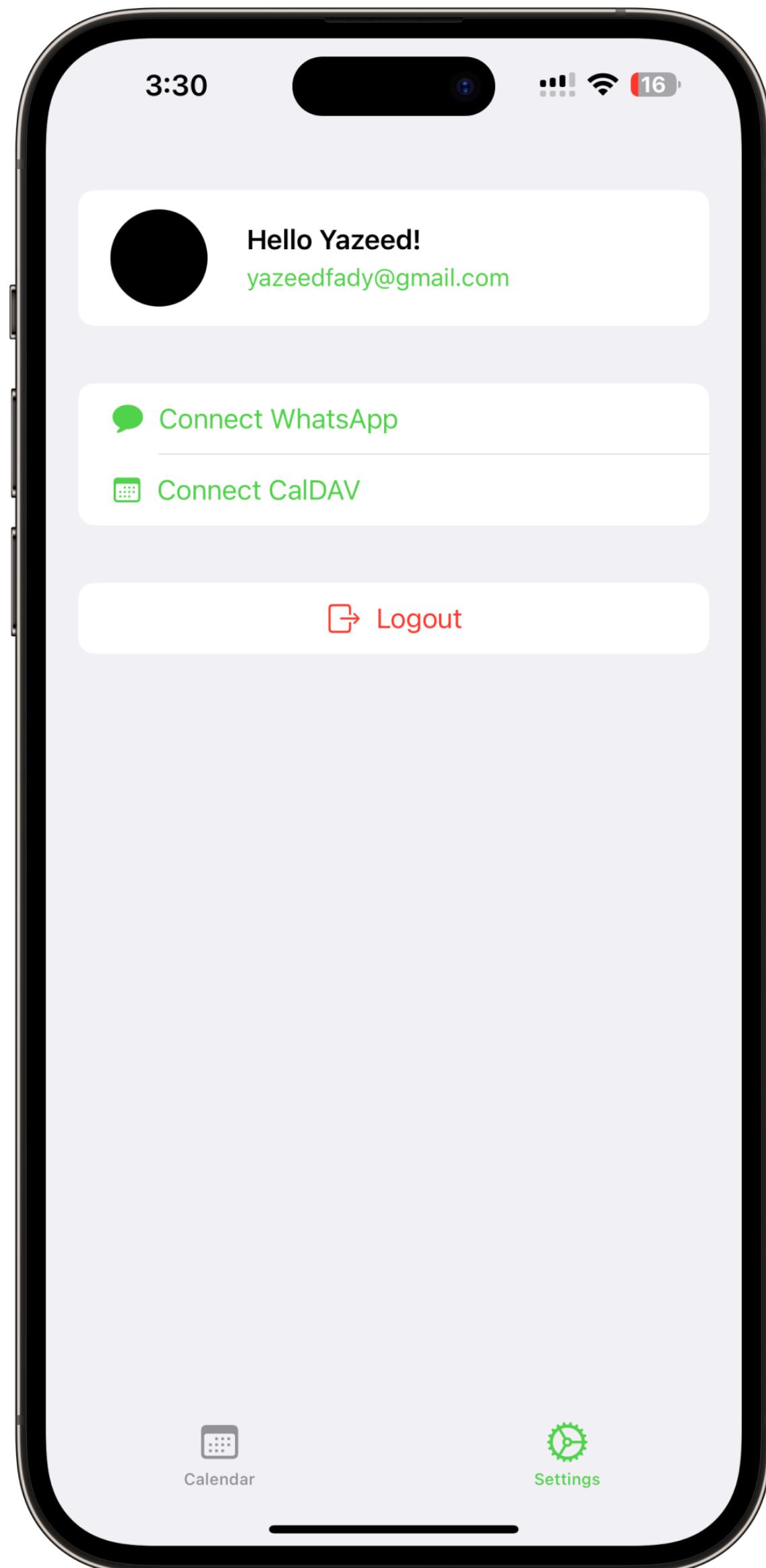
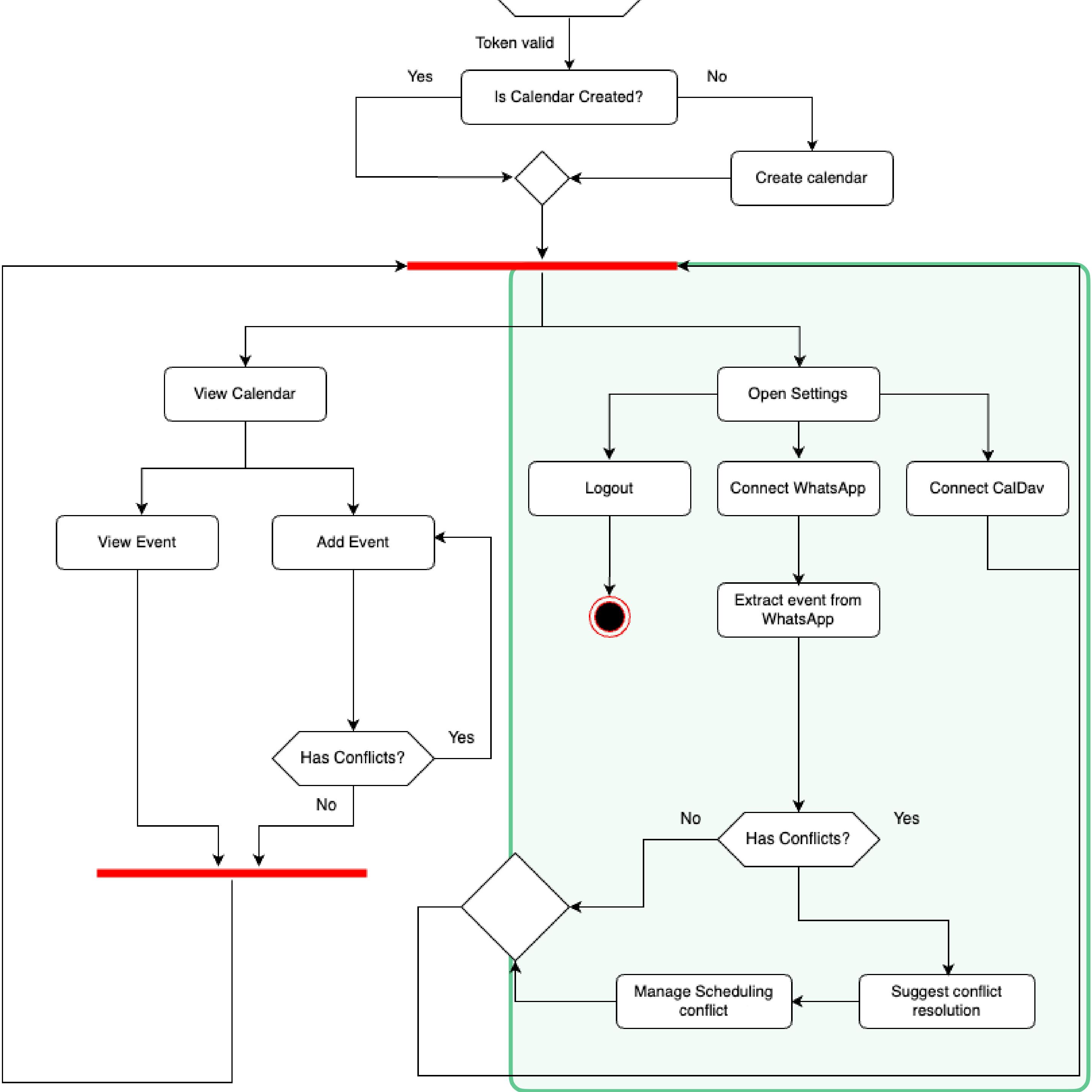


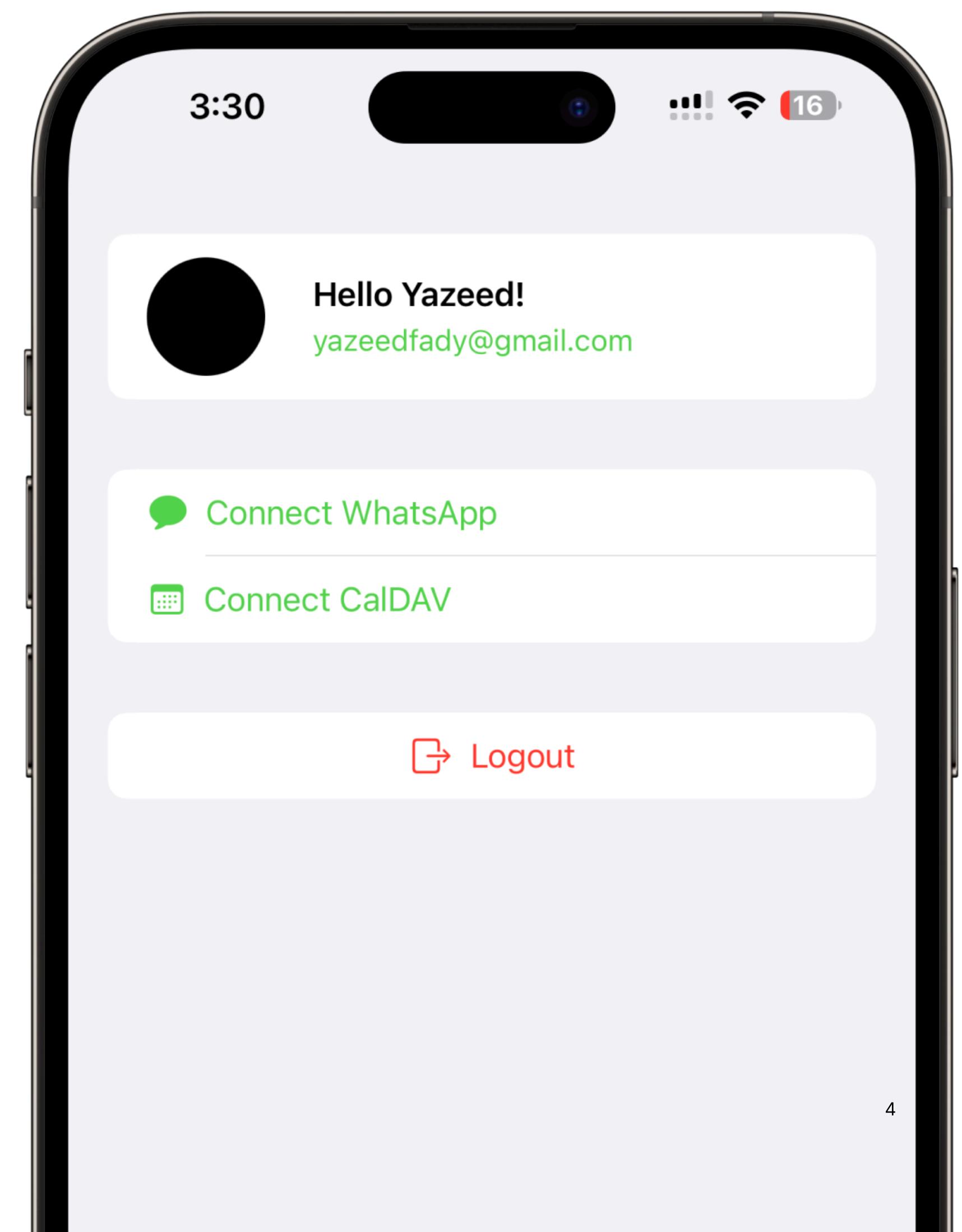
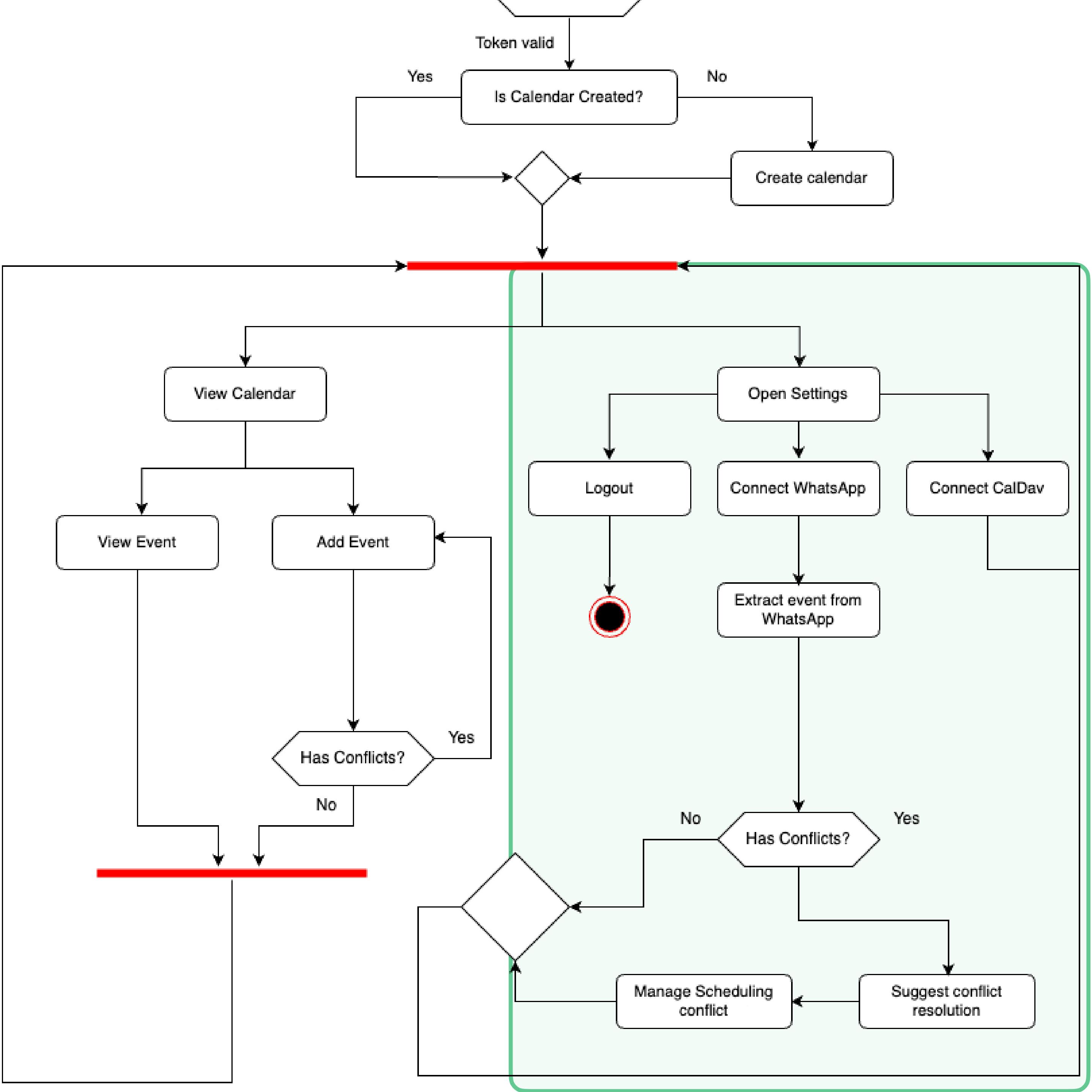


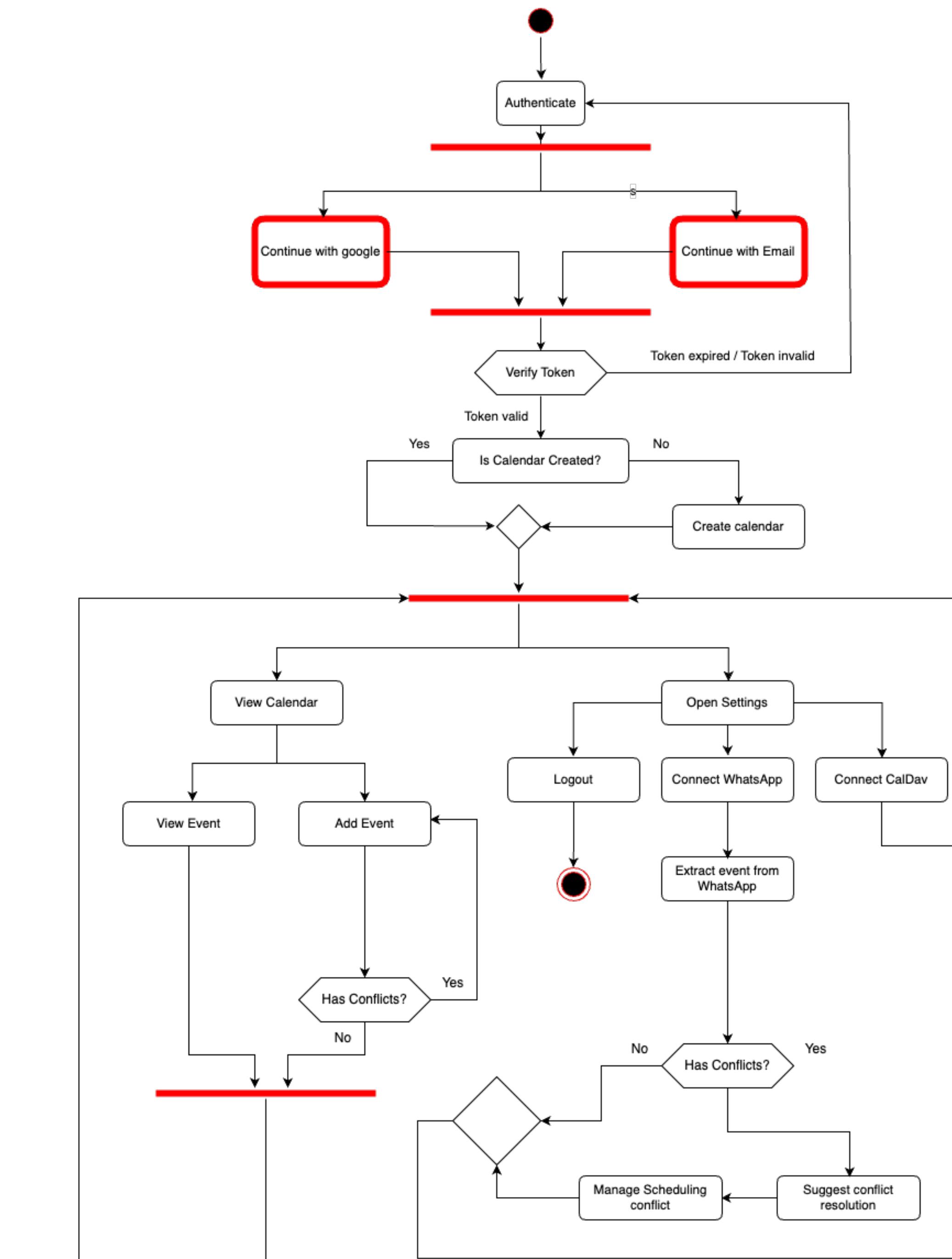
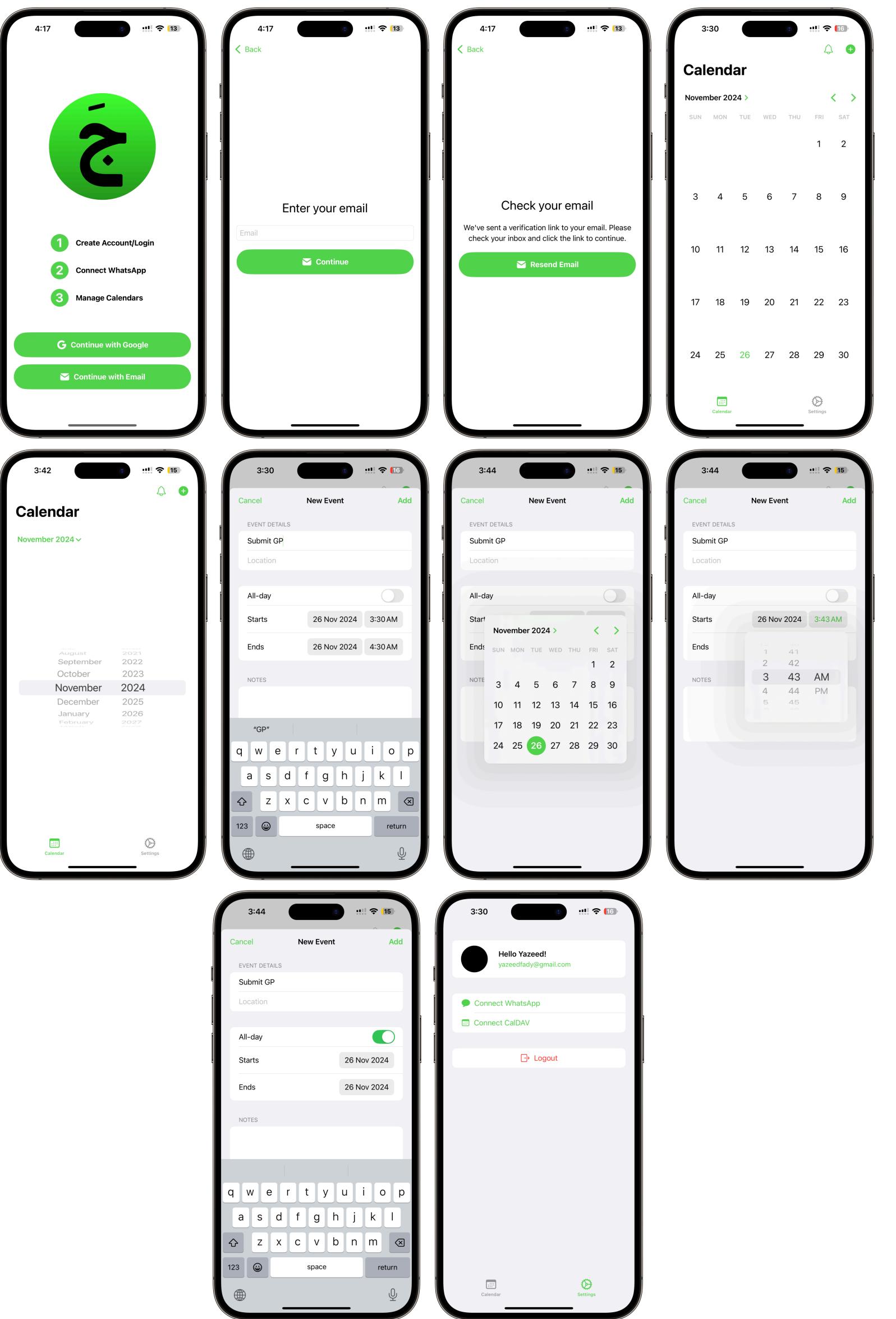












# Thank You!



# One More Thing...



# The DEMO



# Q&A

