

# Project Overview

This document will help to outline the scope for the calendar application we are making. The main goal is to create an application with a friendly UI that will allow the users to manage their respective schedules by going through different views (daily/agenda) and will be given the option to manage events.

## 1. Software

### 1.1 Calendar Views

- 1.1.1 Monthly View: A full month grid display with of the days. Each cell will show a little snippet that contains the title for the event scheduled for that day.
- 1.1.2 Weekly View: A seven day grid display. Each cell will show similar snippets to the monthly view, but they will also display the exact time of the event.
- 1.1.3 Daily View: A single day display. It will display all of the events for the day in order, as well as showing the title, exact time, and a short description of the event for that day.

### 1.2 Event Management

- 1.2.1 Event Creation: Users will be allowed to create/add new events to their calendar. They will be required to add a title, time (start and end), and an option description.
- 1.2.3 Conflict Detection: The system will check to see if any planned events will create a conflict with the new event being added. If there is a conflict, the user will see an error message when adding the new event.
- 1.2.4 Recurring Events: The user will be allowed an option to repeat the event at the same time, either daily or weekly.
  - No option for complex recurring events (ex: bi-weekly, monthly)
- 1.2.5 Event Modifications: The user will be given the ability to change the description, title, or timing of an event, or delete the event entirely.
- 1.2.6 Event Categories: Users will be given the ability to mark different types of events with different colors.

### 1.3 Sharing

- 1.3.1 Invites: The user should be able to invite other users to collaborate on an event through an invitation.
- 1.3.2 Accept/Decline Invites: Permission will be required for accepting or declining the event invitations.

## 1.4 User Interface and Experience

- 1.4.1 Highlighting: The calendar will highlight holidays and weekends to make it clear to the user.
- 1.4.2 Navigation: The UI will allow the user to zoom in/out as well as allowing them to scroll when it is required.
- 1.4.3 Order: All of the events will be shown in chronological order.
- 1.4.4 Notifications: A notification system will be used to remind the user about their upcoming event(s).

## 2. System

### 2.1 Platform

- 2.1.1 Other Platforms: This platform will not be able to interact with other calendars (ex: Google Calendar, Outlook, etc.)
- 2.1.2 Mobile Applications: This platform will only be web based, so there will be no development of Android or iOS mobile applications.
- 2.1.3 Offline Access: Since it is entirely web based, there will be no offline access or synchronization for the user.
- 2.1.4 Profiles: The user will be allowed only one profile per email that they use to register.