

Software Requirements Specifications (SRS)
For Calendar Project

Definitions, Acronyms and Abbreviations

View	A predefined interface layout that allows for granularity control of timespan in the calendar.
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Functional Requirements:

1. The monthly view shows all days in a month, and event snippet for each day.
 - 1.1 The system should display all of the days in the month in a tabular fashion.
 - 1.2 The system shall display the currently viewed month.
 - 1.3 The system should highlight the current day.
 - 1.4 The user shall be able to tap a specific day within the monthly view to access a daily view of that day.
 - 1.5 The user shall be able to swipe right and left to change the current month displayed.
2. The weekly view shows all days in a week.
 - 2.1 The system should display all of the days in the week in a tabular fashion.
 - 2.2 The system should show the week of the selected day
 - 2.3 The user shall be able to swipe left and right to go to the next or previous week
 - 2.4 The user shall be able to tap on any specific day to access the daily view of that day.
3. The calendar should have a daily view which shows events for the day in chronological order.
 - 3.1 The calendar should display the day as a scrolling layout with hours listed next to the event spaces.
 - 3.2 The calendar should display the name of the day and current date at the top of the daily view.
 - 3.3 The user should be able to swipe left and right to go to the previous or next day.
 - 3.4 The user should be able to edit, delete, or share events from the day view activity.
4. The user should be able to add an event with starting and ending time.
 - 4.1 The system should allow the user to add an event.
 - 4.2 The system should allow the user to enter a starting time before adding an event.
 - 4.3 The system should allow the user to enter an ending time before adding an event.
 - 4.4 The system should display the event on the calendar.
5. The user should be able to add weekly periodical events.
 - 5.1 The system should allow the user to add events to reoccur periodically during the weeks.
 - 5.2 The system should prompt the user for which days they want to add the event to.
 - 5.3 The system should prompt the user for the starting time before adding the event.
 - 5.4 The system should prompt the user for the ending time before adding the event.

6. The user should be able to edit and delete events.
 - 6.1 The user should be able to enter a new starting time when editing an event.
 - 6.2 The user should be able to enter a new ending time when editing an event.
 - 6.3 The user should be able to delete single events.
 - 6.4 If the event is weekly or monthly, the user should be able to delete one or all of the series.
7. The user should be able to add event categories
 - 7.1 The user should be able to choose the color category before adding an event.
 - 7.2 The user should be able to create multiple events with the color category.
 - 7.3 The user should be able to add different color categories without fail.
8. The system should allow for color marking for different categories of events.
 - 8.1 The system should allow for multiple colors for events
 - 8.2 The system should allow for same color for events
9. The user should be able to send events to other users.
 - 9.1 The user should be able to input the phone number they chose to share with
 - 9.2 The user should get a notification that an event has been shared
10. The user should be able to scroll through weeks/months.
 - 10.1 The user should be able to scroll between months in monthly view.
 - 10.2 The user should be able to scroll between weeks in weekly view.
 - 10.3 The user should be able to scroll vertically in daily view to see all hours.

Use Case Diagram

