

# Children's Alarm Clock

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## Overview

### Purpose:

- Allow parents to set alarms and timers to assist children with time management and task completion
- Ease of schedule management via automation
- Ease of accessibility due to the widespread use of smart devices.

## Features

### Digital and Analog Clock face

- Two Different clock faces for the main page, one digital clock face, and one SVG analog clock for exposure to reading analog clocks

### Alarms

- Adjustable alarms able to be set to go off on any weekday at any time

### Timers

- Adjustable duration timers to time arbitrary tasks

### Calendar View for Alarms

- Visualization of timer schedule in a nice compact view

## Testing

### Automated testing:

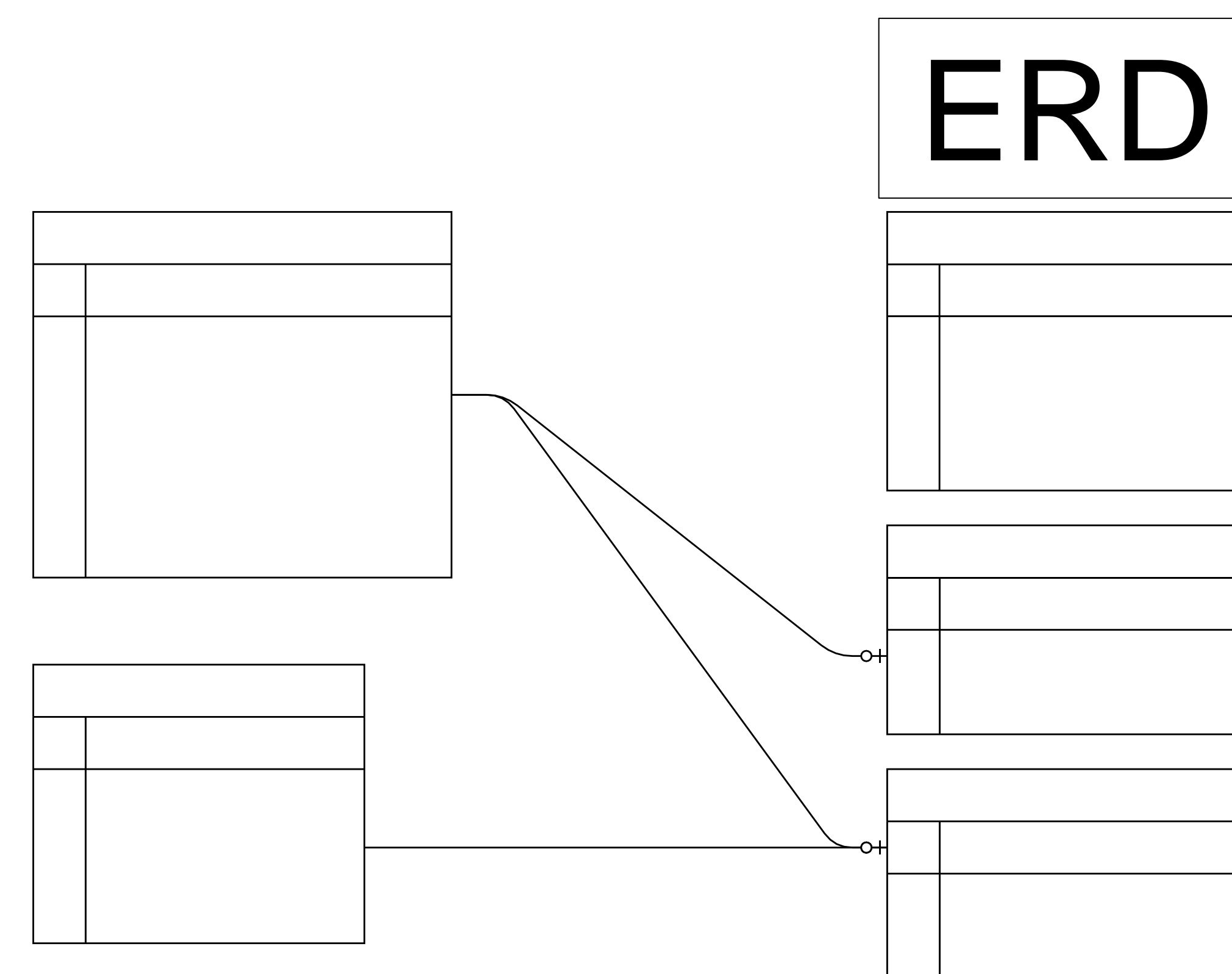
Done using Jest to run unit tests against the main application. Automated tests were executed via GitHub actions to ensure all pull requests to the main repository contained functional code.

### Usability testing:

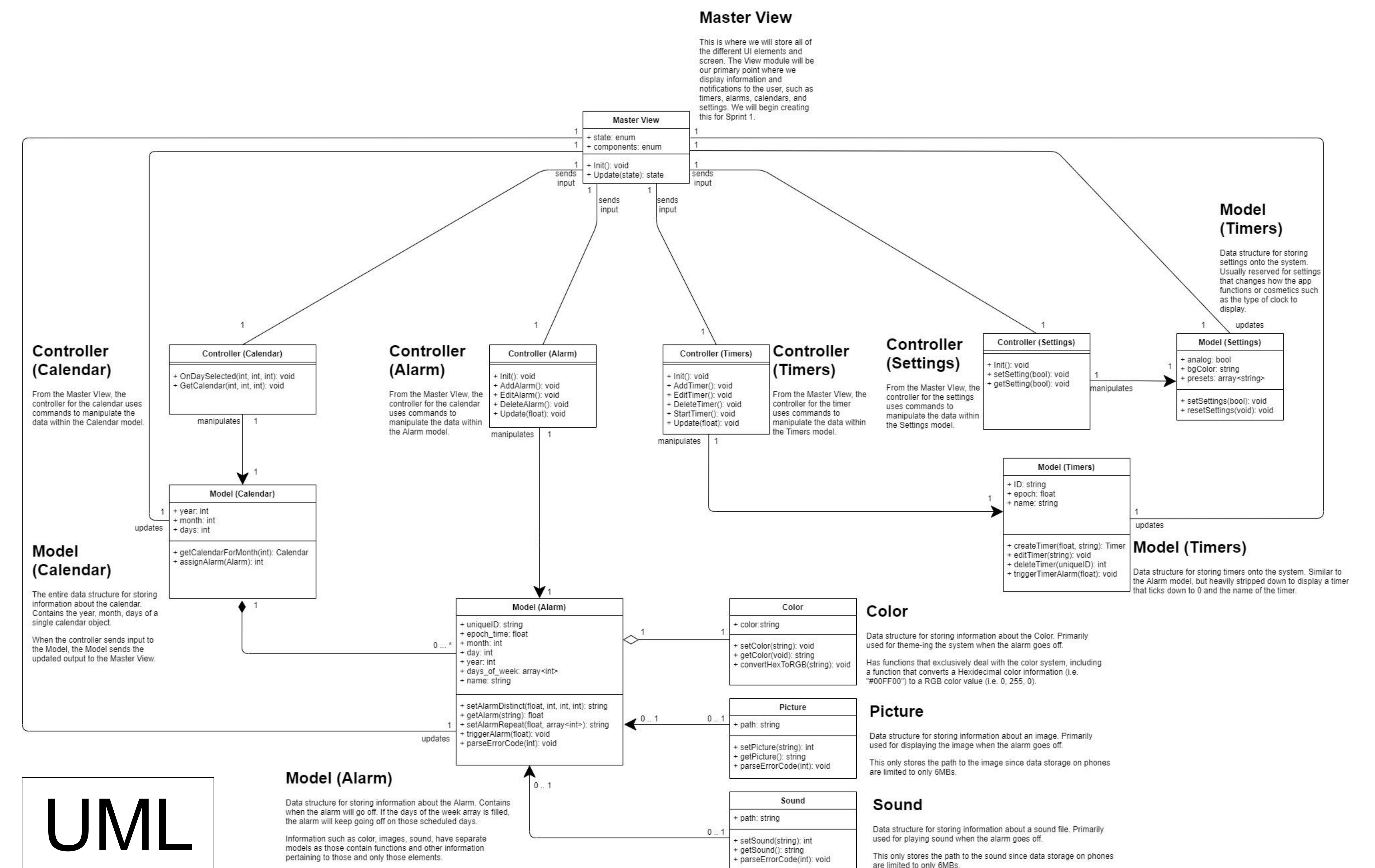
Session-based testing was used to ease development for a largely UI focused application.

### Design Goals

- Simplicity
- Ease of use
- Configurability
- Accessibility
- Lightweight
- Minimal disk size



## Design



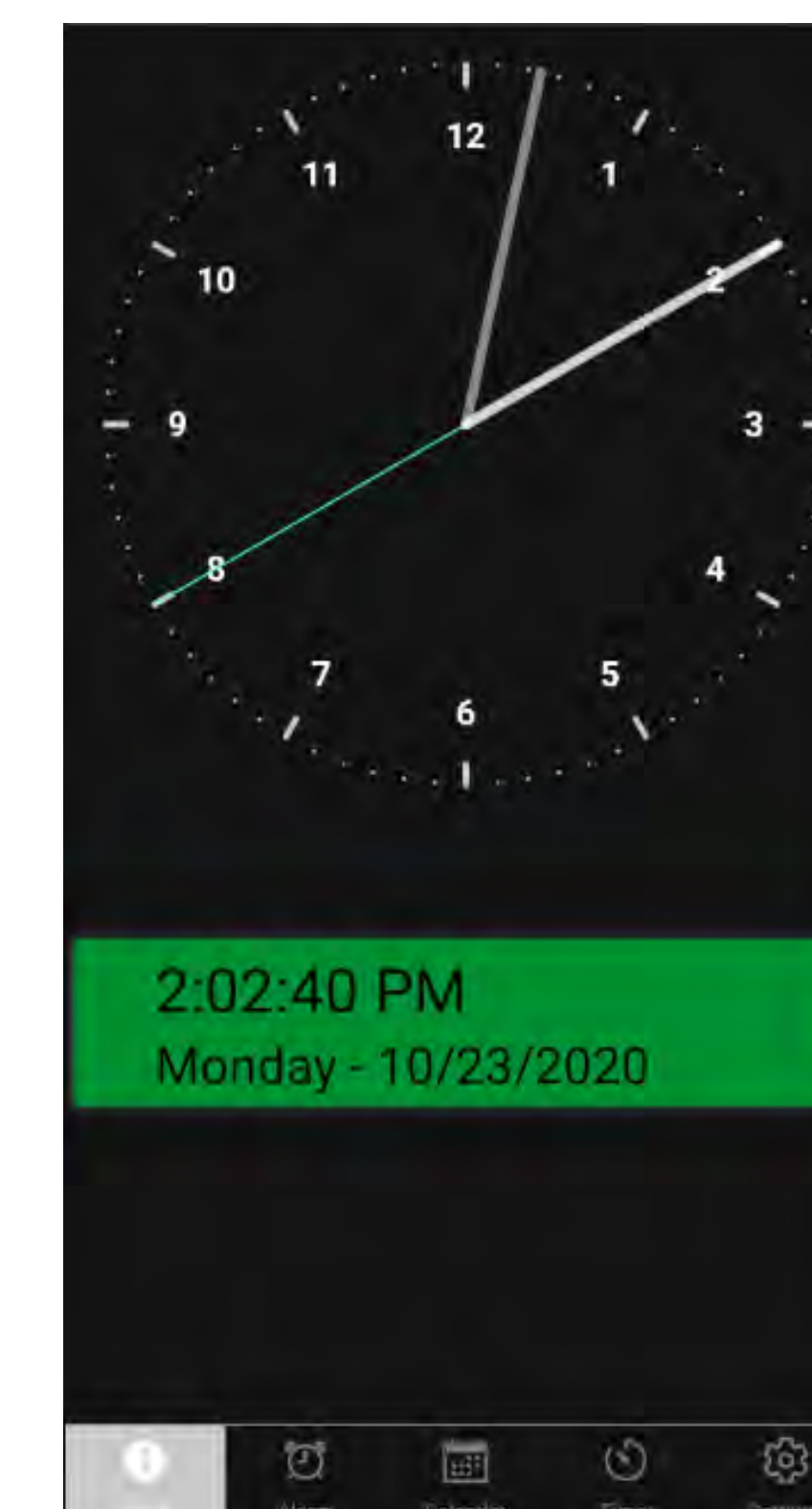
## Technologies



## Screenshots

Application Main Page: Featured is a test display with both the digital and analog clock faces. Designed for use by younger children, having an option for an analog display will help teach how to read an analog clock through exposure.

- Digital/Analog Clock face
- Useable by children
- Exposure to Timekeeping



The timers page, with pre-configured examples of timers. These examples show some use cases for timers in an application to be used by small children

- Add/Delete/Edit
- Color customization
- Start/End Task with countdown

