Daily Dashboard

# Summary

Daily Dashboard is a wall-mounted display that gives users an easy way to view their Google Calendar and provides a seven-day outlook of upcoming daily events and weather.

# Scope

Daily Dashboard will use a monitor and Raspberry Pi to access a web domain where the application resides. Similar to a calendar, the application will display the events of the upcoming week, including the current day.

## Hardware

The size of the monitor will be no smaller than 19 inches.

The Raspberry Pi should connect to the internet.

With the exception of initial setup, and other than the monitor, the device should not need any other peripherals.

## Software

The Raspberry Pi will use Raspbian as the operating system. On boot and without user input, the Raspberry Pi should open a web browser or application to access the domain where the main application resides.

The application should:

1. Allow for continuous Agile development
2. Show the current date and time
3. Show events from at least one Google Calendar
   1. Show the events of the current date and the next six days
   2. Display events from multiple contributors
   3. Allow one contributor to add events on another contributor’s behalf
4. Show weather
   1. Show current weather
   2. Show forecast of the next six days
   3. Have an option to display weather in Celsius or Fahrenheit
5. Allow users to set active (display on) and inactive (display off) dates and times

# Specifications

## Hardware

What kind of monitor?

How will the Raspberry Pi connect to the monitor?

How will the Raspberry Pi connect to the internet/application?

Are any other peripherals required?

## Application

How will the hardware open the application?

How will the application allow for continuous development (web sockets, periodically, etc.)?

How will the application know when to turn on/off?

### Client Side

### Server Side

# Setup

1. Monitor
2. Raspberry Pi
3. Application