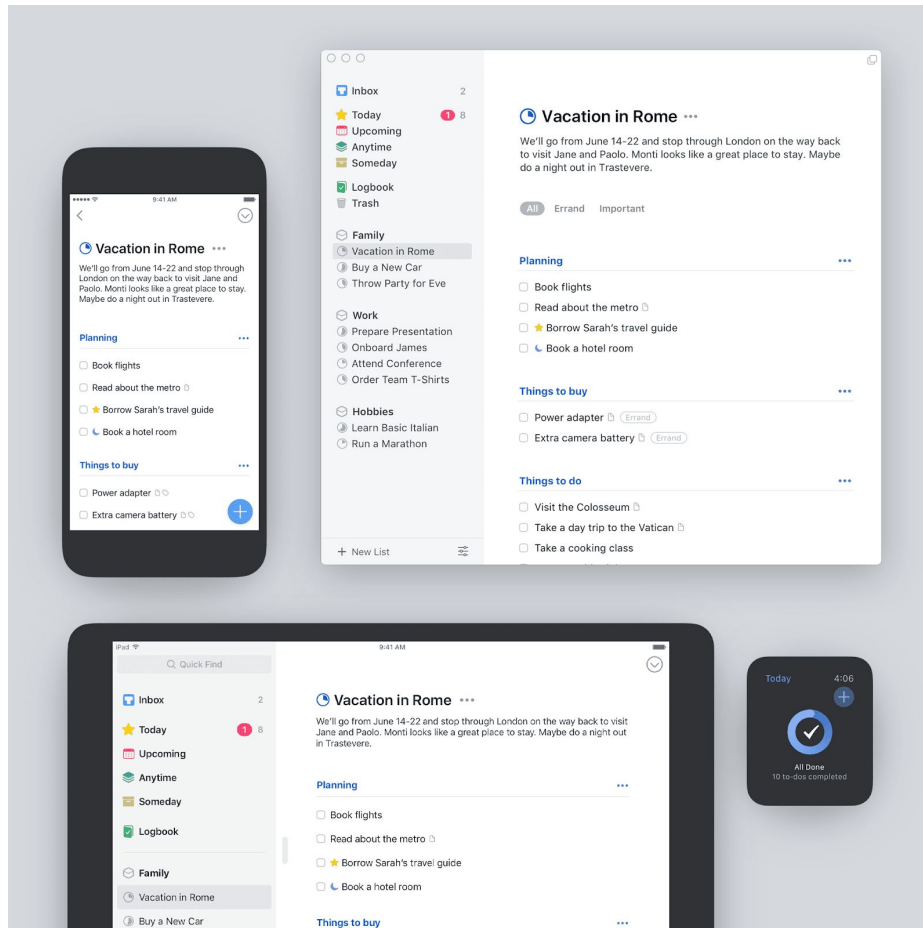


# Project 2 Proposal

August 4, 2018



Things 3 provides some inspiration for the “to-do” portion of the project concept.

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## Overview

Calendars and to-do lists are a valuable part of organizing one's life. For the most part, they act independently—you'll need to be referring to your calendar application to see your upcoming meetings and events, while separately monitoring your to-do list app to check off tasks. Ensuring you remain productive throughout the day means a lot of context switching, which has a cost. Our goal is to eliminate this unnecessary context switching and empower people to *do more* with their time.

## Goals

1. Allow users to add tasks, projects, and goals to their calendar
2. Prioritize those items based on importance
3. Place tasks into the calendar using the time allotted + priority level

## Implementation

We'll develop a multi-page web application which displays **projects**, **tasks**, **steps**, and **goals**. After you complete an item, you can check it off.

### Hierarchy

- Projects are composed of tasks
- Tasks can (but may or may not) contain steps
- Steps always belong to tasks
- Tasks can live under a larger project, but may also live in an "unassigned" state

## Application Pages

### I. Home Page

This will be a dashboard that contains a list of tasks currently due, user progress on larger projects, a list of completed tasks, and a "message center". The message center will be home to any overdue items—you'll have the chance to reschedule them, so you can continue to work towards them. The home page will also display an inspirational quote to help drive you towards your goals.

All pages will feature a navigation element, but the homepage will be the default view when a person first accesses the web app.

## II. Calendar Page

This will display a 7-day calendar with color-coded tasks and events in a typical calendar grid.

This will be formatted in a way that allows a user to quickly ascertain what's coming up at a glance. The user may also scroll to view their week in a list format (similar to the calendar in the Outlook Mail app on iOS).

## III. Task and Project Entry Page

The task and project entry page will allow users to input their projects, tasks and steps—along with more information including description, what category it belongs to, location etc. It will include a check-box indicating whether it is a simple, one-time task, or a multi-layered project with multiple tasks and steps. The hierarchy is project → task → step.

## Technologies

We'll use the following technologies to build out our application.

- Bootstrap: for front end UI
- Handlebars: our view engine to populate the various pages with events
- Express: for routing
- MySQL: our database backend
- Sequelize: the ORM
- Heroku: for deployment and hosting
- Node.js
- Moment.js

## Minimum Viable Product

At a minimum, we'll deliver an app that allows users to create to-do items, which will then be displayed on a calendar based on a due date the user selects.

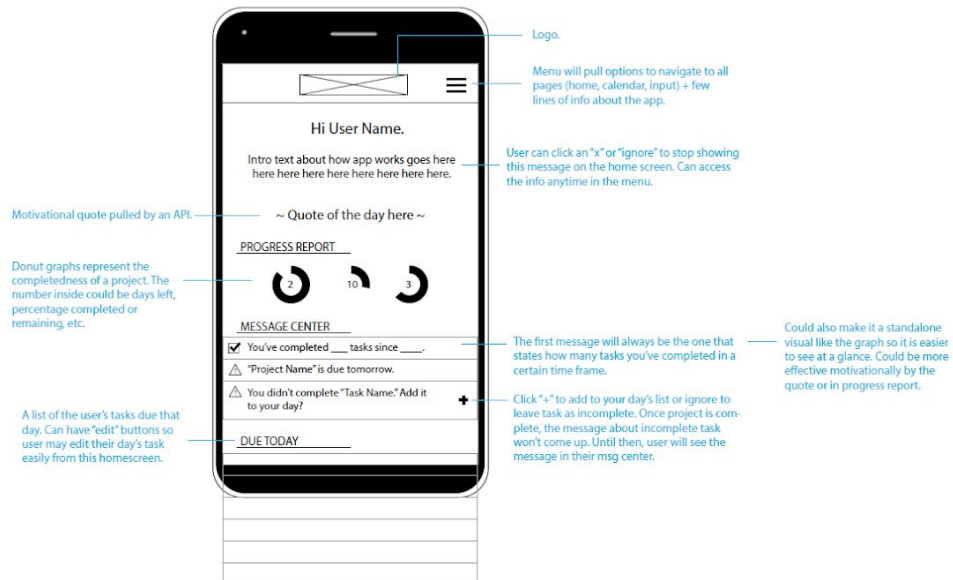
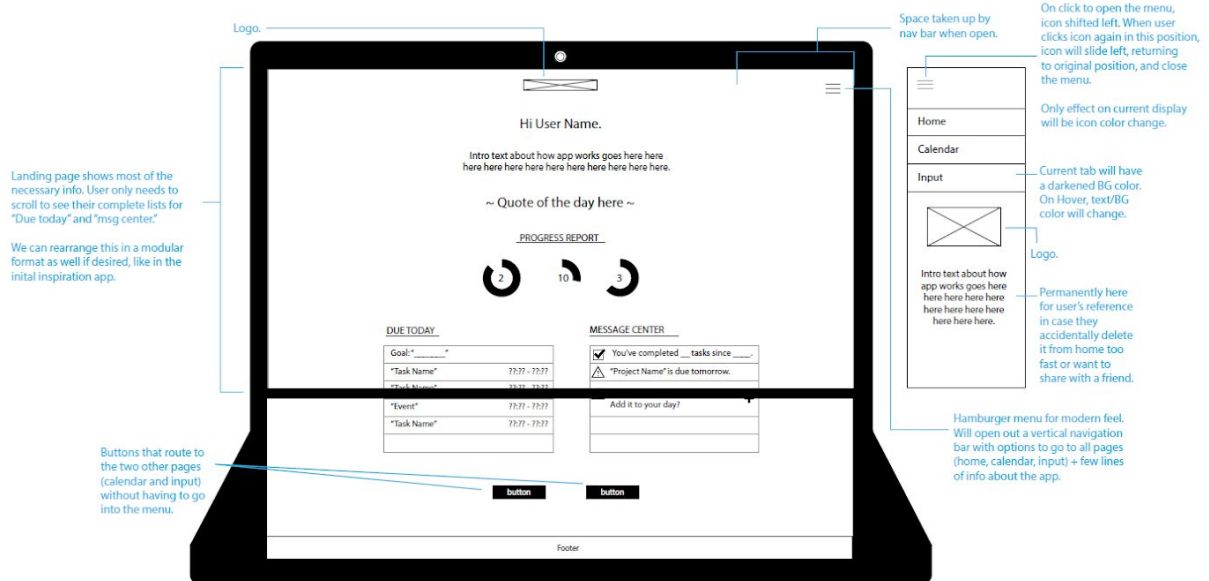
## Breakdown of Tasks

We've set up "projects" and "issues" on our Github repository. Work will commence on different parts of the application based on dependencies. For example, most of our application relies on the calendar display, so we'll work on that first. For the most part, tasks will be split by module, rather than front/back end. Please reference our Github projects page for details:

<https://github.com/leo-daniel/project-two/projects?query=is%3Aopen+sort%3Aname-asc>

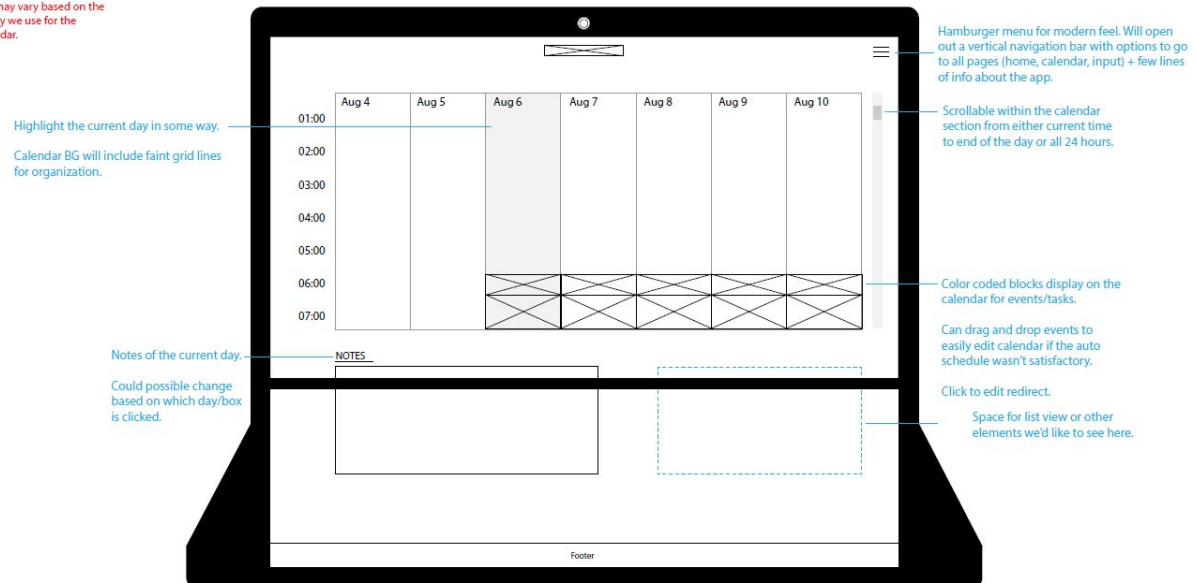
# Wireframes

## I. Home Page

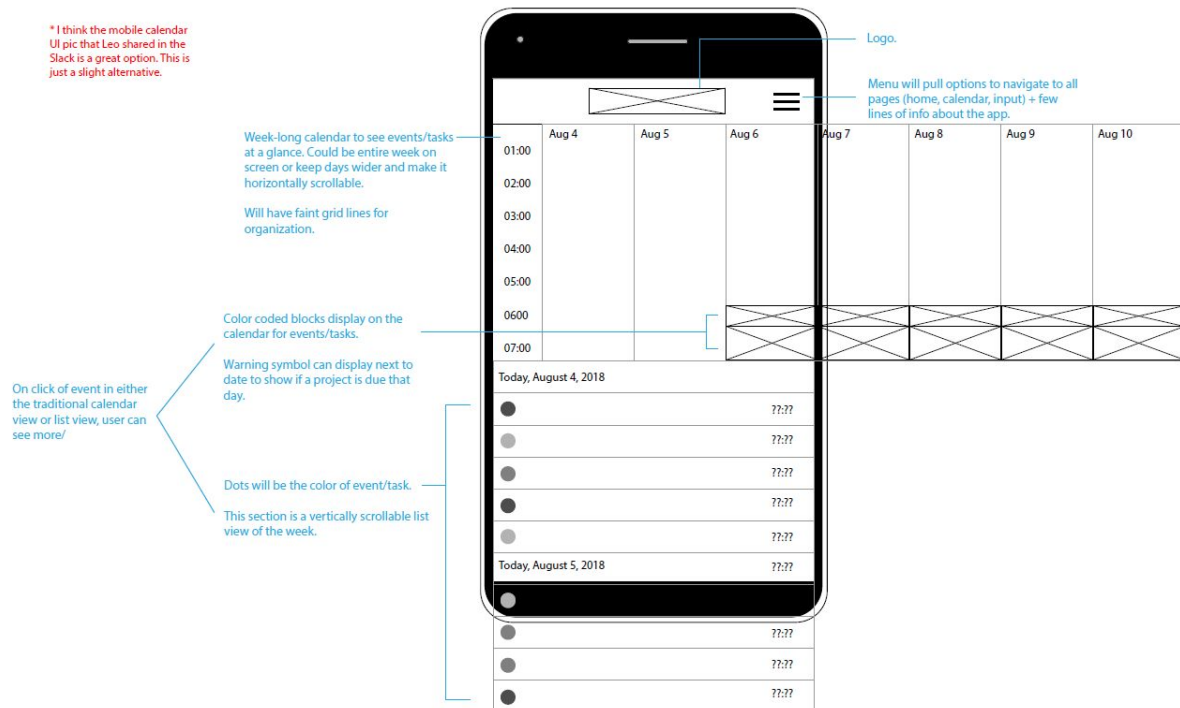


## IV. Calendar Page

\* UI may vary based on the library we use for the calendar.



\* I think the mobile calendar UI pic that Leo shared in the Slack is a great option. This is just a slight alternative.



## V. Task and Project Entry Page

