Job Application Design Exercise

This is a take-home exercise for job applicants to our frontend vacancy. The goal is to evaluate the applicant's skills in layout, HTML & CSS. The resulting work from this exercise will — upon satisfactory completion — be used in the subsequent interview where it will be enhanced by Javascript to make it interactive.

Given that subsequent step, it is up to the applicant to decide whether to start this exercise with or without a Javascript framework (like React, Angular or Vue). A single page HTML file with CSS is fine, as is starting with a couple of (static) components with one of these libraries.

Delivery

Candidate is free to use their favorite scaffolding and CSS libraries. The final submission needs to be static HTML (possibly multiple pages) packaged as a .zip. It doesn't have to be self contained, linking to CDN-hosted packages or other assets is okay.

You have to implement the implementation of the three wireframes listed below. Again, this can be in a single html file or in multiple.

Design Brief

We are creating an application to track worked time. Entering time is usually not one's favorite activity, so we aim to make the app as easy and quick to use as possible.

Style guide

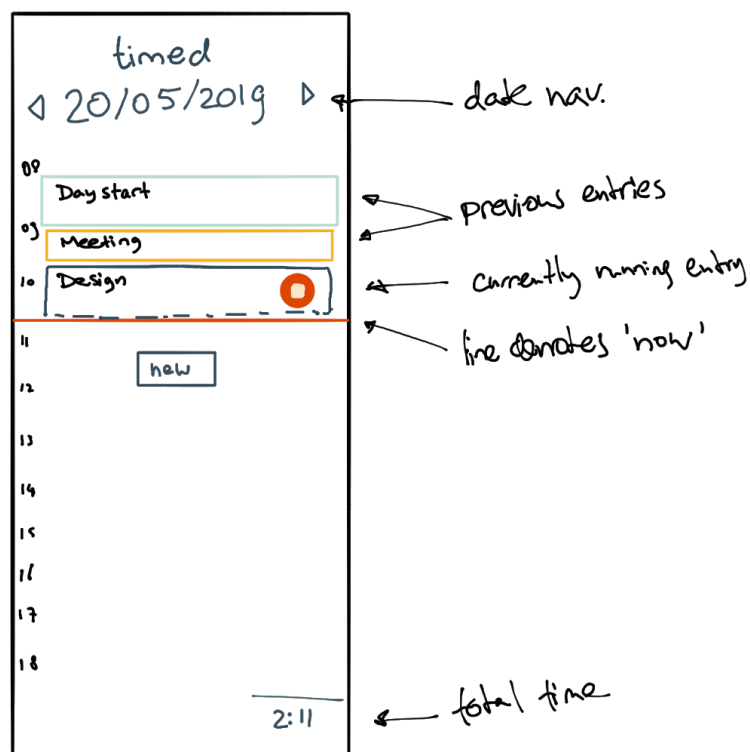You can find the style guide to adhere to here.

Layout

- The app should visualize a single day, the time entries laid out like a calendar.
- Short time entries should have a minimum height to show one full line height.
- The window should always be able to show 9 hours (8 hour workday default and some padding), irrespective of screen height (with a minimum height of 600px).
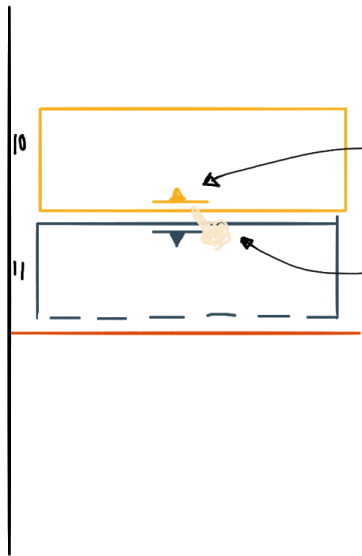
- It is a tall app, with some responsiveness in width, but with a max width of 450px.
- Time entries *must* have category, and *may* have a description.
- Please use an 8pt grid.

Wireframes

Overview

Detail of two entries and mouse hover

Small indicator that
shows this border is affected.

on mouse over,
the border of the adjacent
entries becomes draggable,
moving both end- and
start times of the respective
entries.

Entry edit form

Behaviour

<mark>Don't implement this yet!</mark> More something to keep in mind.

- It should be possible to modify time entries by drag and drop. Both the start and end of an entry can be dragged to earlier later. Start can of course not be dragged to after end, and vice versa.
- If two time entries connect, dragging their common border would adjust both entries at the same time.
- Most actions should have keyboard shortcuts. Those come to mind (Meta = Ctrl on win/linux, Cmd on Mac):
  - Start new entry (and stop the running one if there is one): Meta + N
  - Stop running entry: Meta + S
  - Navigating the selected entry with Up/Down arrow or J/K
  - Expanding the selected entry into the form to edit it: Enter
  - Navigating form fields: Tab
  - Confirming edits in form: Enter
  - Exiting form without saving: Escape