Desk Reservation Software

Automated Desk Hoteling

As more and more employees in companies move to flex schedules between in-office and work from home, a system needs to be developed for automating this return. Many companies are in development of similar projects to aid in this transition, and I want to create my own.

Audience

The audience would be both for company owners and employees who are making the return to office. Receptionists or HR departments could oversee monitoring the software and ensuring that everyone checks in. This software would be primarily aimed at them.

Data Sources

To speed up development Node.js will be the primary library used. I will also use SASS for the CSS construction. This will help speed up prototyping and allow for more uniform interface construction. The reservation software will feature 3 primary pages: A landing page to enter construction or reservation mode, a construction page for creating a building layout and uploading a photo to match, and a reservation page with authentication (only local for this frontend class) to reserve and delete desks. All this data will be stored in local storage for this demo.

Initial Module List

Initial Javascript modules will consist of:

1. Building\_constructor.js
2. Desk\_reserver.js
3. Storage\_manager.js

SASS partials will be:

1. \_variables.scss
2. \_basic-style.scss
3. \_typography.scss
4. \_navigation.scss
5. \_layout.scss
6. \_buttons.scss
7. \_reset.scss

Wireframes

Desktop/Tablet

Table, calendar

Description automatically generated

Mobile view

(The reservation table will be scrollable within the viewport, hence why it is cut off. The bottom menu will also be sticky.)

Calendar

Description automatically generated

Color/Typography

Halant, Medium 500

Nunito Sans, Light 300, Semi-bold 600

<style>  
@import url('https://fonts.googleapis.com/css2?family=**Halant:wght@500**&family=**Nunito+Sans:wght@300;600**&display=swap');  
</style>

font-family: 'Halant', serif;

font-family: 'Nunito Sans', sans-serif;

Chart, treemap chart

Description automatically generated