

Scheduling Web App

Customer: Awesome Inc

The web app will make use of a full stack (MEAN or equivalent) development process. The source code repository will be hosted in a public Github repository, and the code will be released with an MIT license.

Login Capability/Profiles

The scheduling app will include a login capability for both admin and non admin instructors. Instructors will have profiles from which they can fill out availability, and classes they are qualified to teach (split between Academy, Membership and Tutoring style courses). Users will be able to upload a photo, along with basic contact information. Users will be able to see their own hours worked, and hours billed. These hourly totals will be divided between the 3 types of courses to accommodate different pay rates, as well as a total amount to ease the billing process.

Admin

Admin users will have the ability to switch instructors from active to inactive, or vice versa to help minimize confusion when scheduling. Admin users will be able to add new course times to the schedule, and assign instructors to those times, given that it does not conflict with instructor availability/qualifications. Admin users will also have the ability to delete non admin users. Admins will be able to see hours worked and hours billed for all users. Admins will be able to update the hours billed to each instructor.

Notifications

The web app will send notifications via email to instructors when they have been signed up to teach a class, as well as a reminder 2 days before the class they are scheduled to teach. Courses that have not had an instructor assigned to them that are two weeks or less from happening will send an email to all admins notifying a vacant slot. Class slots that are prior to the current date cannot be edited, but can be viewed.

Scheduling

The scheduling process should be done using a drag-and-drop or equally user-friendly process. When an instructor is selected, any course that they are not available/qualified for should disappear, to facilitate the process. Courses will have pay rates associated with them (Admin view only), and hourly totals for any given slot.