


Problem: We need a way to automatically integrate doctor's calendars from their existing systems of records with the Notable platform. The task is to build a web back-end that supports the following functionality via HTTP requests:

- Get a list of all doctors
- Get a list of all appointments for a particular doctor and particular day
- Delete an existing appointment from a doctor's calendar
- Add a new appointment to a doctor's calendar
 - New appointments can only start at 15 minute intervals (ie, 8:15AM is a valid time but 8:20AM is not)
 - A doctor can have multiple appointments with the same time, but no more than 3 appointments can be added with the same time for a given doctor

An example web UI that would be built on top of this backend is shown below. Doctors should have a unique ID, a first name, and a last name. Appointments should have a unique ID, patient first name, patient last name, date & time, and kind (New Patient or Follow-up). The backend must respond to HTTP requests (ie GET, POST, DELETE).



PHYSICIANS

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Logout

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#	Name	Time	Kind	
1	Sterling Archer	8:00AM	New Patient	X
2	Cyril Figis	8:30AM	Follow-up	X
3	Ray Gillette	9:00AM	Follow-up	X
4	Lana Kane	9:30AM	New Patient	X
5	Pam Poovey	10:00AM	New Patient	X
6	<div>First name</div> <div>Last name</div>	09:00 AM	New Patient	<div>+</div>

For this exercise, the data can just be kept in memory (such that any changes will be reset on server restarts), though you're welcome to use a database if you prefer. You are free to use any languages, frameworks, libraries, scaffolding, starter packs, etc that you'd like. With your response, please include a zip file with your source code (preferably in a git repository), and instructions for how to run the application locally.