

URL: <https://final-197620.appspot.com>

This is the beginning of an alternative medical service delivery system that I wrote for Software Engineering 1 last semester. The goal is to reduce the cost of healthcare for hourly shift workers by reducing the amount of work time they need to miss to get treated. These lost wages in many cases can be a bigger burden than a lack of insurance. This app just scratches the surface of that project while meeting the requirements of the “Hybrid Option” of the Final Project for CS496.

The backend is a RESTful API that can be engaged with the following verbs:

url	Verb	Request Body	Response
/clinics	GET	n/a	JSON array of all clinics
/procedures	GET	n/a	JSON array of all procedures
/clinic	POST	{ "name": "[String]", "openHour": [Integer], "openMinute": [Integer], "closeHour": [Integer], "closeMinute": [Integer], "lat": [Float], "lon": [Float] }	Adds clinic the database and returns a JSON object corresponding to the clinic entered.
	PATCH	{ "id": "[String]", "name": "[String]", "openHour": [Integer], "openMinute": [Integer], "closeHour": [Integer], "closeMinute": [Integer], "lat": [Float], "lon": [Float] }	Modifies the clinic in the database that corresponds to the id and returns a JSON object corresponding to the clinic entered.
	PUT	{ "clinic": "[String clinic_id]", "procedure": "[String procedure_id]", "action": "add" }	Adds the procedure as an offering at the clinic
		{ "clinic": "[String clinic_id]", "procedure": "[String procedure_id]", "action": "remove" }	Removes the procedure from the offering at the clinic
/procedure	POST	{ "name": "[String]", "duration": [Float], "cost": [Float], "operator": "[String]" }	Adds a procedure to the database and returns a JSON object
	PATCH	{ "id": "[String]", "name": "[String]", "duration": [Float], "cost": [Float], "operator": "[String]" }	Modifies a procedure in
/clinic/{string id}	DELETE	n/a	Removes the clinic corresponding to that id
/procedure/{string id}	DELETE	n/a	Removes the procedure corresponding to that id

The front end is a native Android app. Its source code and a video of its use are included.