

Assignment #5 – FHIR Operations

Very small FHIR REST cheatsheet (For very busy people)

endpoint: server address

id: logical id for the resource

format: application/json+fhir o application/xml+fhir

name: patient name

system: URL/OID for the patient identifier

identifier: identifier (patient, MRN# or group/regional/national person #) for the patient

Resource To Update: complete content for the resource in XML or JSON

Operation	http Verb	Header	Body
Get Conformance	GET endpoint/metadata		N/A
Read resource	GET endpoint/Resource/id	Accept: format	N/A
Create Resource	POST endpoint/Resource	Content-Type: format	Resource To Update
Update Resource	PUT endpoint/Resource/id	Content-Type: format	Resource To Update
Get History	GET endpoint/Resource/id/_history	Accept: format	N/A
Search by name	GET endpoint/Resource?name=@name	Accept: format	N/A
Search by Identifier	GET endpoint/Resource?identifier=@system @identifier	Accept: format	N/A
Get All Patient Info	GET endpoint/Patient/<id>/\$everything	Accept: format	

Part A - FHIR RESTful Operations

Pre-Requisites:

Your starting point are the two resources you create for Assignment #1: Patient and Immunization.

Your mission:

Using HTTP operations and an http client like hopscotch.io or Postman

- a) Get the server conformance info
- b) Create a FHIR Resource in a our server
- c) Read the FHIR Resource you just created
- d) Update the FHIR Resource on our server. Change the address to this one: "1232 Mt. Vernon Highway, Salt Lake City, UT 84104", and the patient is now dead.
Died 2/5/2024 3pm EST

Remember:

- a) Assess and record the server responses especially in case of errors and also the resource id and full location.
- b) Look at the metadata created by the server: what attributes are added?
- c) The only thing that changed is the patient's address. What do you need to send to the test server to maintain the resource information?
- d) Verify the relationship between the Patient and Immunization record.
Remember 'references'?

Part B - FHIR Search

- a) Search your resource using one identifier
- b) Search your resource using the patient's name
- c) Search your resource using the patient's phone number
- d) Search your resource using the patient's gender, birth date, and city
- e) Search all immunizations for your patient
- f) Ask one of the persons in your team for their patient's last name. Create a search that would bring both your Patient resources.

Part C - FHIR Operations

- a) Create a request using FHIR that brings all the information recorded for your patient in a server.