

FHIR for Developers exercise

To carry out these exercises, you need to have a development environment and the FHIR API installed (HAPI for Java through Maven, H17.Fhir for .Net through NuGet). It can help to monitor network traffic with a tool like Postman or Fiddler.

Exercises

1. Try reading a single patient:
 - Create a new FHIR client pointing to <http://vonk.furore.com>.
 - Use the Read command on the FHIR client to read a patient with id 'example'.
 - Look at the resulting resource and display the name of the patient.
2. Update the patient data to match your fictional situation (do not enter real data, it is sent to a public server next!).
3. Try creating a new patient on the FHIR server with this data. Check the response and display the new id.
4. Try updating and deleting the patient.
5. *(extra) Create a new Observation resource, set the subject to refer to your patient and send this to the server with the Create method of the FHIR client.*
6. Try searching for all patients that have a birthdate of December 25, 1974.
7. Look at the Bundle that was returned. Display the total number of results.
8. Search for all Observations, but limit the number of results to 5. Display the technical ids of the results.
9. *(extra) Perform a search for all Procedures done in March 2013 and include the patient information. Display the technical id for each Procedure together with the name of the patient that was the subject of the Procedure.*
10. *(extra) Try out some other search parameters and modifiers.*

