



## Exercise

### Building your first FHIR client - Java

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During the hands-on session of the “Building a FHIR client with HAPI and .NET” tutorial, you will learn to work with one of the reference libraries.

The following sample project contains a number of samples to get you started in playing with the FHIR data model: <https://github.com/FirelyTeam/fhirstarters>

Try some of the following things with the model and parser:

- Construct a Patient who is a male with the birthday of January 26, 1978 and encode this patient as both XML and JSON
- Parse the same patient String back into an in-memory object

Next, try playing with the client:

- Create a “generic” client with a base URL of: <http://fhirstest.uhn.ca/baseDstu3> or <https://vonk.fire.ly>
- Search for all patients named “smith” and print/log the results
- Create a patient object and upload it to the server, then print the ID assigned by the server
- Read back the same Patient from the server using its ID

Have fun, and remember to ask for help if you get stuck!