



Exercises*

Track: Developers

Tutorial: HAPI FHIR for Server Developers

Speaker: James Agnew

The speaker will be in the hands-on area to answer your questions!

Note that all sample code for the tutorial is available in the following Git repository:

<https://github.com/furore-fhir/fhirstarters>

Exercise: Create a Server

The following sample project contains a sample server project to help get you started in playing with the FHIR server framework:

<https://github.com/furore-fhir/fhirstarters/tree/master/java/hapi-fhirstarters-rest-server-skeleton>

Create a server which serves Patient and Encounter resources. You could store these in a HashMap (if you want to be easy) or a file on disk (if you want a bit more challenge) or a database or object store such as Postgres, MongoDB, etc if you want to really challenge yourself.

Exercise: Try the HAPI FHIR JPA Server

The HAPI FHIR JPA Server is a complete “server in a box” you can create your own projects on top of. Check out the source here:

<https://github.com/furore-fhir/fhirstarters/tree/master/java/hapi-fhirstarters-jpaserver-example>

Try running this server. If you want to try something more advanced, try creating an interceptor and adding it to the server which logs all client requests.

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

*This exercise will not be evaluated and no prizes are attached to any result. The exercise can only be used at HL7 FHIR DevDays 2017.