

Extensions

This exercise aims to allow you to familiarize yourself with creating a FHIR extension. In this exercise, you will use FHIR Shorthand (FSH).

Exercises

1. Based on the mapping from the previous exercise, create an extension for the elements that did not map onto one of the existing fields:
 - First, try to search for existing extensions that can be re-used for your purpose. Do this by looking at the 'profiles & extensions' tab on the resource type page, or by searching on Simplifier.net.
 - If you found a suitable extension, note/copy the canonical URL and go to step 3 to add it to your profile.
 - If not, create a new extension following the next steps.
2. Creating a new extension
 - Create a file for your extension, called MyCourseExtension.fsh. You can use a less generic name, for example indicating what the extension is for.
 - Setup a new extension with the 'Extension' keyword. Use the same name as your file.
 - It is recommended to add the 'Id', 'Title' and 'Description' keywords. Choose any value for them you would like.
 - Choose which datatype is best for the extension value, and set that with this rule:
* value[x] only {chosen datatype}
 - Save your extension – you can use the previous steps to visualize your extension.
3. Adding an extension to your profile
 - Open your profile file.
 - Add the extension to the profile by using the extension rule. See the FSHQuickReference.pdf file in your handout or <http://hl7.org/fhir/uv/shorthand/reference.html#extension-paths> for reference.
 - Repeat these steps for each extension you need to add