JONATHAN PAYNE

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Required Skills:

(List skills needed) Python, Web (HTML / JS / CSS)

Preferred Team Communications:

Conference Call, Slack

Data Sources:

No data requirements in this case -- all metadata that will be used is already available on our staging and production servers. The new FHIR-TS API would simply expose the existing metadata in a new format.

Other Items:

No time zone preference

Team Info:

Needs a Developer, Tester and a Project Manager. Allows one team of 4-6 members.

FHIR WRAPPER FOR OCL TERMINOLOGY SERVICE

Open Concept Lab is an open source terminology service with a preferential focus on supporting health information exchange in low-resource countries. OCL hosts the National Health Data Dictionary for the Ethiopia FMOH and is the primary distribution channel for the Columbia University International eHealth Laboratory (CIEL) interface terminology, which is widely used in the developing world. A hosted instance of OCL is provided by the Regenstrief Institute to support the Open Health Information Exchange community (OpenHIE, ohie.org) to provide a "metadata clearinghouse" to publish publicly available information standards, such as national monitoring and evaluation indicators or a national list of disease classifications. OCL provides lightweight terminology service functionality to governments and NGOs, alleviating the short-term need for significant infrastructure investment, allowing stakeholders to focus on metadata curation and governance, which is critical in the early stages of HIE maturity. OCL has been supported by the Bill and Melinda Gates Foundation, the United Nations Foundation, PEPFAR, Thought Works, Vital Wave, and many volunteers.

PROJECT OBJECTIVES

OCL has a REST API core that provides 100% of the system's functionality, including common terminology service functions, such as code lookups, code validations, and code transforms. The OCL REST API was defined prior to the availability of the FHIR-TS specification, and we want to build a software wrapper around the system to support a limited set of the FHIR-TS specifications. OCL has an OpenHIM (see http://openhim.org/) instance set up as an ETL layer, and it would be worthwhile to determine if OpenHIM would also be a good fit to expose the FHIR-TS API requests.

SUCCESSFUL PROJECT

To Be Discussed with Jonathan Payne.

Intellectual Property: None