GSoC 2020: Improved OpenMRS DHIS2 Integration

<table>
<thead>
<tr>
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<td>Blog</td>
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Abstract
A lot of great work was done during GSoC 2013 to integrate OpenMRS and DHIS2. The aim of this project is to extend the OpenMRS-DHIS2 Integration Module. The new features to be added will be sourced from the community.

Objectives
1. Gather requirements by communicating with the teams who have currently deployed the OpenMRS to understand the problems using the current DHIS2 Integration module.
2. Upgrade the UI of the module to be used with the Reference Application.
3. Upgrade the module to work with the latest version of the DHIS2 data model.

Extra Credit
1. Upgrade the UI of the module to be used with the micro frontend architecture.

Skills Needed
1. OpenMRS data model / understanding of OpenMRS terms.
2. DHIS data model.
3. Reporting Module functionality.
4. Basic understanding of Spring and Hibernate.

Basic understanding of XML and JAXB is needed as the OpenMRS-DHIS2 Integration Module implements them.

Timeline
April 21 – May 19 (Community Bonding Period):
- Get to know my fellow peers and co-workers.
- Throughout this period, I will as always be available on IRC to further discuss the proposal with members of the OpenMRS community so that I will be able to adjust or add things that I may have not thought of before.
- I will be actively engaged in discussions with my mentor to further understand and agree on the scope and requirements of the project.

May 19 – August 18:
- Development phase (to be broken down into detailed steps)

Resources
1. OpenMRS-DHIS2-SDMX-HD Integration (see also child pages).
4. http://folk.uio.no/bojo/sdmx/sdmxhd_doc.xhtml