GSoC 2020 : OpenMRS should run on PostgreSQL

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### Background

We have a number of implementations who would like using PostgreSQL instead of MySQL. There is also another category who have already invested in PostgreSQL servers, where requiring them to install and learn another type of database server would not only be an unnecessary waste of their time, but also a wastage of computer resources.

### Purpose

The goal of this project is to add PostgreSQL to the list of databases that OpenMRS supports, out of the box.

### Required Skills

- Strong Java skills
- Familiarity with Liquibase
- A basic understanding of PostgreSQL

### Objectives

- OpenMRS Platform successfully runs on PostgreSQL
- Create a CI build which breaks when liquibase changesets fail to run on PostgreSQL
- Make changes as necessary, to the references application modules to ensure that they run on top of PostgreSQL.

### Resources

- ![TRUNK-4881](https://wiki.openmrs.org/display/trunk/TRUNK-4881) - OpenMRS should support Postgresql (IN PROGRESS)
- Documentation Done as a Part of Project - [https://wiki.openmrs.org/display/docs/OpenMRS+Setup+On+PostgreSQL](https://wiki.openmrs.org/display/docs/OpenMRS+Setup+On+PostgreSQL)
- Talk Thread - [https://talk.openmrs.org/t/gsoc-2020-openmrs-should-support-postgresql/28755](https://talk.openmrs.org/t/gsoc-2020-openmrs-should-support-postgresql/28755)

### Project Status

- OpenMRS Platform successfully runs on PostgreSQL - **DONE** - Task is complete and changes have been tested. Starting from platform 2.4.x we will offer PostgreSQL support.
- Create a CI build which breaks when liquibase changesets fail to run on PostgreSQL - **DONE** - A Bamboo CI job has been added at [https://ci.openmrs.org/browse/TRUNK-MASTER](https://ci.openmrs.org/browse/TRUNK-MASTER) which runs the liquibase changesets against PostgreSQL db.
- Make changes as necessary, to the references application modules to ensure that they run on top of PostgreSQL - **DONE** - Reference application now supports PostgreSQL. Changes were made in different modules wherever required and testing of application for different features as mentioned here [Reference Application 2.10.0](https://wiki.openmrs.org/display/docs/Reference+Application+2.10.0) is done.

All the required objectives of the project are complete and tested.