## Application Description

Desktop application for a Pharmacy. The application has two types of users (a regular user and an administrator user) which have to provide a username and a password in order to use the application.

The regular user can perform the following operations:

\* Search the list of drugs (type, name, price, etc)

\* Buy one item at a time with his money. For now, only the admin can set the wallet amount.

The administrator can perform the following operations:

\* CRUD on drugs.

\* CRUD on regular users' information.

\* Generate two types of report files, one in pdf format and one in txt or html format, with the bought items.

The reports are saved in a \*\*user-selected location\*\* , similar on how one would save a file from Notepad.

\* The data used in the application will is stored in a database, using Hibernate framework.

\* Factory Method design pattern is used for generating the reports (i.e., selecting between the type of report to generate).

\* All the inputs of the application will are validated against invalid data before submitting the data and saving it.

\* Unit tests are made using Junit and Mockito framework. Used Mockito to mock dependencies on repositories. The tests do not have direct access to the database.