This is simple library meneger aplication

Functionality:

In main menu you can choose one of actions:

add - for adding new book

delete - for deleting new book

books - for viewing all books

find - for finding book by part of title

genres - for viewing genresand books by genre

update - for changing book's title

help - for getting this information

exit - exiting from application

Then after choosing you can return to the main menu by command ‘cencel’ or after end of operation.

**Instaling:**

1.Import project in your IDE.

2.At the first running of application ,change in file: LibraryManager\src\main\resources\hibernate.cfg.xml

a)<property name="hibernate.hbm2ddl.auto"></property>

On

<property name="hibernate.hbm2ddl.auto">create</property>,

b)Set your password and login to MySQL in this file

<property name="hibernate.connection.username">(login)</property>

<property name="hibernate.connection.password">(password)</property>,

3.Create in MySQL new database MyLibrary

**Libraries and frameworks**

1.Hibernate – for connection to a database, operating with model objects and their validation;

2.Log4j-for logging project errors and warnings;

3.javax.persistence- for mapping entity;

**Patterns**

1. singleton - in com.mycompany.util.HibernateUtil.class and in

com.mycompanyt.dao.impl.DaoFactory.class for returning only one object of session initialized in static field.;

1. Factory method- in com.mycompany.dao.DaoFactory.class for returning model's dao classes and in com.mycompany.commands.CommandFactory.class for crating commands;
2. Lazy initialization- in com.markoproject.dao.DaoFactory.class for initialization model's dao classes and in com.mycompany.commands.CommandFactory.class;
3. Data Access Object –for work with entity;
4. Command-for working with different actions