Accela Java Exam

This application provides following features.

* Add new person details.
* Edit person details.
* Delete person.
* Count number of person present in Database.
* List person present in Database.
* Insert data from XML file.
* Insert data from XML command line input.
* Maven java project has been created.
* Executable jar has been created (DataManager-0.0.1-SNAPSHOT-jar-with-dependencies.jar)
* A video of complete application working has been provided.

Attached zip file is having Source Code for the data management application. For this application I am using localhost which I have initialised using MAMP to initialise MySQL server and Apache server. In order to test this application change the IP to your server in Constants.java file inside com.DataManager.Constants package. Following are the constants which you need to update as per the new configuration.

**static** **final** String ***DATABASE\_NAME*** = "Employee";

**static** **final** String ***IP*** = "localhost";

**static** **final** String ***PORT\_NO*** = "8889";

**public** **static** **final** String ***USER*** = "root";

**public** **static** **final** String ***PASS*** = "root";

I have used maven for dependencies. Go to command prompt or import to eclipse. Through terminal use following command to compile and run the code. Execute the commands on main directory of this application(Data manager).

mvn clean compile package

mvn exec:java -Dexec.mainClass="com.DataManager.Main.MainClass"

To run the executable jar use the following command

java -jar DataManager-0.0.1-SNAPSHOT-jar-with-dependencies.jar

To XML parsing, I have used Dom Parser. Sample XML format has also been attached. Multiple person’s details can be inserted using XML. Either you can provide the XML file path or can insert the XML as a command line parameter, both facilities have been provided.

Rigorous manual unit testing has been performed and complete test coverage report has also been attached by the name Unit\_Testing\_Report.xlxs. Junit and Jacoco has been used for testing as well as manually also it been tested and working file in all the scenarios. Personally I prefere Jacoco as it gives much in-depth testing report. Mvn test command can used to generate Jacoco report.

Github repository link for this assignment: <https://github.com/spandey7117/DataManager>

I have done a much similar but more complex Database manager for backend of a Android ride sharing application using MongoDB, Java Spring and RESTful services for Advance Software Engineer project. Github repository for that project is <https://github.com/spandey7117/DBTransactions>