

Unit 2 – Compulsory assignment JDBC

The database of the Restaurant has finally been recovered. You will now have to change your DAO classes to access the information using JDBC connectors.

The original model has been stored into a MySQL server.

1. Implement all the functionality of the previous assignments with the new MySQL storage. (CRUD's):
 - a. Implement the functionality of *customers*, *orders*, *order-items* and *menu-items* using JDBC with connection pooling
 - CRUD of customers: When deleting a customer, if it has any order, ask the user, and if so, delete all orders before deleting the customer
 - CRUD of orders
 - Use exceptions to ensure integrity of data (Non-existent customer or Rtable)
2. Use a table to store the credentials of the users of the application. Implement the login access so as:
 - a. An administrator: All functionality except for adding orders
 - b. A customer: Restricted functionality: A customer can only list, add and update orders

To simplify the assignment, use only many to one classes

Create the application in Java using a layered architecture and a DAO pattern