

Information Systems – Design & Development

Day 1

JDBC - Database Connections

2018/19

1 session (2 hours)

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Objectives:

- Be able to use API JDBC to create, debug and run simple a Java program that make a connection with an Oracle database.

Exercise 1

- Create a project with NetBeans in which the JDBC driver for Oracle is included

This project will include the persistence layer (classes that contain the methods of access to the database) and the application layer (program that will access the database through the persistence layer)

Exercise 2

Add to the project created in Exercise 1 a Java file (persistence layer) with a class called *oracleConnection* that will have:

- An attribute of type "*Connection*" called *conn*
- A constructor *oracleConnection()*. You must load the Oracle JDBC driver and make the connection to the RABIDA database with the assigned username and password.
- a method called *disconnection ()*. This method must close the connection to the database.

The constructor and method codes must perform the corresponding exception control.

- Within the previously created project, add another Java file (application layer) to access the database. This file will contain a class called *clientApplication* a call to all methods created in Exercise 2.
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