

## COMPX223: Database Practice and Experience

### Database Project: Deliverable 3

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#### **Deliverable 3 (single student work - DB application)**

In this deliverable, you will continue to create the application which performs the tasks described below. You will use C# in Visual Studio.NET. To understand how to connect and use your database with C# in Visual Studio.Net, you should have engaged with the material provided on Moodle.

You are to create a Database application, with selected functionalities to be demonstrated to the tutor/lecturer. A schedule for demonstrations will be made available on Moodle.

#### **What you need to do (Deliverable 3)**

The client outlined some system requirements that were in the original specification and discussed in person. For example, your database system will:

1. Allow managers to log in (improved version).
2. Allow customers to log in.
3. Allow managers to rent boardgames to customers.
4. Create summary reports for managers and customers.
5. Interactively produce and visualise statistics that aggregate across the whole database

You do not need to create a report but rather show the functionality to your tutor/lecturer who will give you a grade for it. In your demonstration, you should be prepared to show the following elements:

1. Remaining tables filled with data and rent table sufficiently expanded for reports and statistics.
2. Demonstrate logging in as manager (improved version).
3. Demonstrate renting, reviewing, and returning a boardgame.
4. Demonstrate creating a summary report for a customer.
5. Demonstrate interactive statistics for the managers.
6. Other features from deliverable 1 and the meeting with the client.

**Do not use any data grids for displaying or requesting any information.**

#### **Grade Allocation**

For a passing grade, software for requirement 2 (login) and 3 (entering data interactively) must be able to be demonstrated to the marker without errors and reasonable interface. To receive a high grade, all requirements above (1-5) must be completed to a high level (good interface, error handling, working smoothly)