Project 2 information

This Project corresponds to Project 2 and is a continuation of the work you have already completed in Project 1. Please work **individually** to complete this project, which worth 10% of the total course grade and will be evaluated through your written submission. You need to submit the report after completing each part with **screenshots**. Your report (PDF file) must be submitted to the BB. Here is a list for each part.

Project Report format and marking scheme:
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Project 2:

- **Functional Dependencies:** You should normalize all the tables to be in 3NF. Then you should create dummy data and test and validate the application and try to optimize it. You should show Functional dependencies for all tables in the report. **(3 marks)**

- **Normalization / 3rd NF**: Verify all tables being in 3NF. Add FDs to change some tables to not be in 3NF and then decompose it to 3NF tables. Show the details for making that table 3NF. You can use diagram (shown in the class) or explain why your tables are 3NF. Then verify all tables whether or not they are in 3NF. **(3 marks)**

- **Demonstration of GUI using Oracle APEX**: The DB application should be in 3NF and contain dummy records and brief comments in the code about any special cases and advanced report. You should make web application by Oracle APEX should be connected to your DB. You will submit the URL link to access your application and the screenshots of every part of your application. **(3 marks)**

- **Final Documentations (3 marks)** Report writing should be done concurrently rather than waiting for the completion of the project. In writing prove your database is 3NF and add concluding remarks on your design experience. Finally, submit the PDF file of the whole document and all SQL, and the link to your application in a zipped file through the submission folder. **(1 marks)**
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Total: 10% marks.