MongoDb Project (Deadline 16 Feb 2023)

The aim of this project is to develop a No-SQL document-based database using **MongoDB Compass** that allows you to perform queries and indexing. Based on the SQL database that you have developed in SQL project, re-design your tables in form of document and collection. You may have your document design in the form of embedded or reference design (the reference form is using the object_id) in order to represent some relation in the tables (i.e. one-to many). The minimum number of collections in your database is TWO. This is to allow you to perform a $lookup query. Your report should have the following:

1) How do you convert the table into document and why do you need it to be appeared as in the single documents (embedded form) of reference documents? (10 marks)

2) Perform similar queries that you made in SQL. The queries must include aggregate queries, lookup query, index query. Save the queries and include them in your in the report. Export output (or partial of output) of query in csv, excel or json file. (10 marks)

3) Having these TWO types of data model (relation and document-based), which one you think is more applicable to the case study. Discuss your justification. (5 marks)

Note:

Any modification made on the data or logic during the transformation from relation model to document model must be discussed in the report.