

Summer 2019 INFO 2312 S50 Group Project

During the semester, you are required to complete a group project, which is to implement a relational database. The purpose of the project is to exercise the database concepts in realistic contexts.

The requirements of the group projects include:

1. Your database system must support certain business areas or processes. You are required to choose one of the organizations listed in Appendix A at the end of this document. Each group must select a different organization.
2. You do not need to implement the whole database of the selected organization. Define some functions and processes in the organization and design a database for these functions and processes.
3. Your database system must contain at least 4 tables and should not exceed 10 tables. Front-end applications are not required.
4. You must use MySQL for database design and implementation.
5. Define some reporting requirements and implement them in MySQL.
6. Each group contains 3 people.

Project components, schedule, and grading scheme:

- Proposal (2 points): submit to instructor in class on May 29, 2019
- Design and Implementation (13 points): explained in your project reports and demos
 - o business rules
 - o conceptual design
 - o logical design
 - o physical design
 - o reporting design and SQL
- Project Report (5 points) submit to Moodle by Jul 31, 2019
- Presentation (5 points) In class July 31, 2019

Appendix A:

Organizations:

- Translink
- BC Hydro
- BC Liquor Store
- Royal Bank
- Chapters
- Cineplex
- Vancouver General Hospital
- Real Canadian Superstore
- Fantuan Delivery
- BMW Dealership
- Telus Mobility
- Surrey Libraries
- Hyatt Hotel
- Vancouver International Airport
- Ticketmaster
- Lifelabs