Juncheng Qian

Professor Li

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Reflection

At the beginning of the project, the most challenging task is to choose a company. In order to create a feasible database, I need to understand the company structure well. So I tried many different type of companies. In the process, I found out that each companies can have very different database because they have different needs. The structure and complexity is depend on the business model. However, companies in the same industrial may have similar database design. In the end, I decided to do a database for ecommerce because people is buying online everyday now. I want to understand the logic behind it.

After that, the whole process went well. By observing and experiencing the website, I got to truly understand the business structure behind it. So I am able to create the relational database design and actually create the database. However in the relational database design step, I made a mistake which connect two tables with ‘many to many’ relationship. It should never happen in the database design as it will cause a mess.

During the creation of the database, I self-learned all kinds of different data type because I want to choose the reasonable one during the data insert. But I struggled about it especially coming to IDs’ with both number and characters. I initially thought I should use something like ‘bigint’. Then I found out that I can simply use ‘varchar’ after research. All other things went well with the rest project and SQL querys.

Another important thing I learned during the project is that I should start the project early. Because I did not start early due to many other midterms and I was out of the town before the due date, I have to work on the project by myself. As a result, I did not enjoy the fun of the teamwork. I missed the chance to experience different thoughts and different logics. Next time, I would definitely improve myself.

In general, I learned a lot through the course and this project. I am more comfortable with massive data now and I feel like it is very interesting to dig deeper into the data. Especially nowadays, we are carrying massive amount of data. It is important to build up the skill to create useful information from it.