

DATABASE DESIGN AND TECHNOLOGY SURVEY

PHASE TWO

REFLECTION

After finishing the report for phase one, I started working on phase two immediately using the DDL mentioned in phase one report. Soon I realized that my ER diagram was a bit complicated to implement in given time frame without errors. So, I did IS - A relationship and opted to flag in user table of bookstore database to identify a manager. Since it was given that manager is already in the database, adding another manager would make sense only if a manager him/her. So, the super user can add other managers. Furthermore, I realized instead of making another view for book table, I can use queries to directly display the book table records. On top of that I removed CAN TWEAK relationship and did away with PAYMENT DETAILS which was mentioned in Phase 1 as they were complicating my project. I realized that I was too busy making html pages for these relationships instead of writing effective SQL queries.

I did not complete book recommendation and degree of separation search as I was unsure about those functionalities. I was trying to implement these functionalities, but it was consuming my time as well as it was not generating the optimal output. So, instead of these, I added SHOPPING CART, PROFILE, PLACE ORDER WITH Different book functionality. Furthermore, in Place order functionally, I made sure that if a book is ordered by a user, then that book which is in his/her cart will be deleted from the cart table and added to the order table which in turn would also change stock level and number of copies sold in books table, which can only be viewed by the manager. On top of that, I also added wildcard search for books by title, author, published and language. Sorting functionalities were also added, that is. a user can sort book by ISBN, title, price etc. A user once logged in can also view his/her order summary from the order summary page. It was also made sure that the comments will not be visible for the manager to tinker.

To conclude, I would have liked a bit more time to think about my database tables so that I could have implemented all the functionalities I described in phase 1. This project was a great learning experience for me.