

Project Learnings and Technology Insights

Our primary objective was to develop a robust DBMS for a pharmacy chain.

While doing the project, we designed and populated 12 tables, including pharmacy branches, inventory, suppliers, and transactions. We also had to deal with weak entities, which helped us understand their usage better. We implemented everything using PostgreSQL, and as a result, we learned to develop and manage relationships in PostgreSQL, significantly enhancing our understanding of relational databases.

We wrote functions to perform logical operations. Written in SQL, these functions automated complex tasks and made the system more efficient. For instance, we created functions to track inventory levels and transactions, have customer profiles, and track orders from suppliers. This aspect of the project significantly improved our SQL programming skills and our ability to manipulate and analyze data.

Last but not least, we improved our time management and teamwork skills. Dividing the work between the 3 of us and following the deadlines during the whole project helps us to improve our time management skills, too.

In conclusion, this project gave us a practical understanding of DBMS concepts and SQL programming, giving us hands-on experience completing the whole project ourselves.