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CS355 Term Project Report

For this project, the normalization strategy we used was decomposing the table into 3NF. We thought it was the best because decomposition into BCNF might not preserve the dependencies, and also lossless decomposition is a little hard to achieve in BCNF. The decomposed relation is a lossless and dependency preserving.

To develop this application, first of all, we checked our connection. Then, we focused on creating tables and testing them. So, we created one table and used our own data to test whether the code actually works or not. Once, we were clear that code works, then we worked on normalization. We created tables after that, populated them through the terminal. Then, we tested it on the MAMP.

It surely wasn't an easy project. We had problem with connection to the database at the very beginning of the project. Eventually we figured it out. Then we planned to brainstorm first, rather than just continuing the project. We divided the work, so every member had something to work on. And we would come together and talk about what we did every hour or so. That helped us to work in the same pace. Then we shared our ideas with the group. Even if we weren't meeting, we would communicate each other through different means. I think that was the most important that's needed in any group project, and i'm glad we had that. I would say brainstorming before beginning the project and group communication with the group member helped us overcome some challenges.