

Bien

CSS 348 – ADVANCED DATABASE MANAGEMENT SYSTEMS

Rustem Baltiyev, Alima Tursynbek

Project Final Report

Experience, challenges and implementation

Initially, our team consisted of 3 members, but unfortunately one of our members decided to drop out of the class (or maybe even university) completely. But due to the fact that he appeared in our team just as randomly as he disappeared, we barely felt any difficulty caused by his absence. Our team, consisting of Rustem Baltiyev and Alima Tursynbek, felt rather adequate to accomplish the project by our selves.

Since the center of attention for the project was mainly a properly large data set, we decided to base our projects using the 'Database-first' approach, where we must firstly design the structure of the database and then follow it up with implementation of User Interface and software around it. Throughout the development, all of the phases were implemented together by all team members via the means of various platforms such as Discord and Telegram. However, due to the difference in operating systems and some encoding problems caused by that difference, we decided that it would be best to maintain the codebase and SQL queries on one machine to avoid any potential problems of that kind. This cautiousness arose even higher after the accident happened in Phase 5 when all of the queries written on Windows machine had a corrupted encoding after uploading it to GitHub.

When it comes to role separation, Rustem and Alima has worked previously together on numerous different projects on and off campus, therefore the coalition of this team was the most beneficial and effective since both of the members are very familiar with each others' work styles. Rustem Baltiyev was mainly responsible for the development of the actual project whereas Alima Tursynbek was the designer and Project Manager, but despite of this separation of concerns, it was decided that all the phases that had anything to do with SQL were split evenly and were done together in order to better understand the material covered on lectures.

The project implementation did not take too much time, but because of the fact that both team members have a full-time job, it was rather challenging to allocate some time for the development, and therefore the process took longer than expected.

Overall, we consider the project to be completed, and well-written with most of the phases done and all of the requirements met.