CMPE 321 Homework 4

Contribution Report

Personal Info:

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Tasks & Contributions:

We first needed to design a pseudo database management system. Although we discussed and decided on the essential mechanisms together, I was responsible for the design in general. Then I created the base version of the implementation code, including the catalog, logger and type classes and input-output interactions. My friend wrote the design report and I reviewed it and gave feedbacks to him. Finally, he completed the code by creating RecordManager and Page classes.

Collaboration & Challenges:

We tried to be in touch as much as possible and updated the code base in a shared repository on GitHub. Hence, we easily saw and adapted the changes in the code. One of the biggest challenges was deciding on how to implement page and file structures. We thought on this decision for a long time, since there could be many ways with different up and downsides.

Self Assessment:

It was an enlightening project on how we could implement the details we have been learning during all the semester. I realized that I still have some difficulties to link-up some notions and its real life representations, although they seemed easy at the lectures and slides. This project helped me to fully understand those aspects of database management systems.