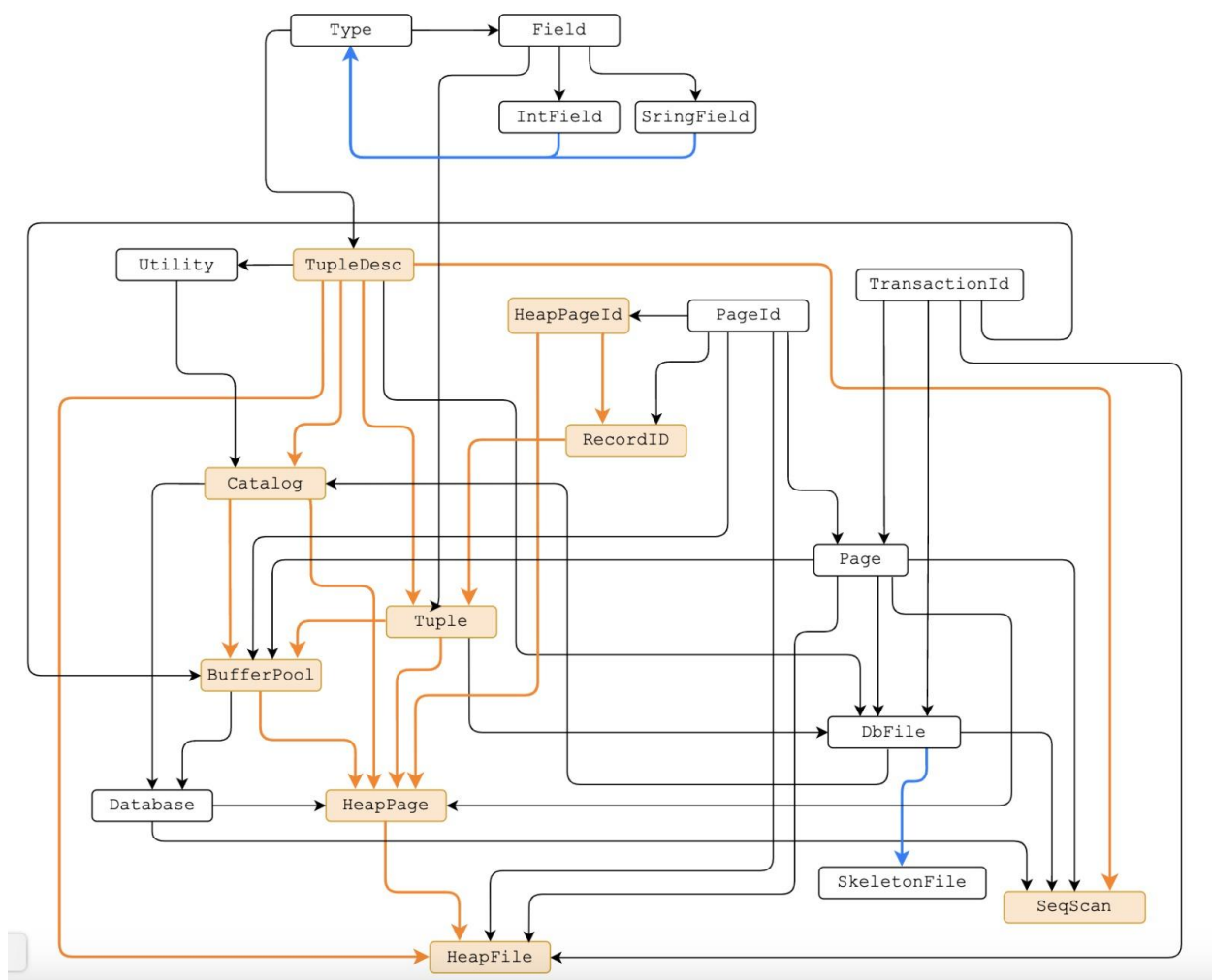*Carmen Pelayo Fernandez*

CS660 - Programming Assignment 1 - Report

This assignment has been very challenging for me, as my knowledge of C++ and memory management was completely null before starting this course. I have worked very hard to learn to code in this language over the past weeks, and have attended and participated in all the lectures, as I really want to learn from this class. However, despite my efforts, I was not able to perfectly pass all the tests. The code for the exercises was completed without apparent errors, so I believe that my inability to pass the tests is due to something external to me. Below I will describe the methodology I followed.

Design

To help with the implementation of the different objects, I created the following schema. This has served me greatly to visualize the different elements in the system.

Code

At the point of this submission, I've ensured that all required exercises for the assignment have been fleshed out and completed without errors. However, when running the tests, there are some errors that I was not able to solve, as I believe are due to SkeletonFile, which we were not supposed to modify.

Time Spent on the Assignment

I spent approximately 25 hours on this assignment. The breakdown of time can be detailed as: understanding the problem statement and requirements took about 2 hours; designing the appropriate solution took another 2 hours; the coding process was the most time-consuming, at around 9 hours; finally, testing and debugging the solution took about 12 hours.

Collaboration

For this assignment I worked individually.