

PI3 Report tzhong

In this PI3 I finished the pipeline that I developed in PI2. Since basically all the coding work has already been done in the PI2, in this PI I just setup the pipeline and make make sure every element works as expected.

The software pipeline is elegant and beautiful, and the encapsulation is great, in the sense that if each component works as expect and can produce the desired output, then the overall system can perform as expected. One important advantage about this pipeline is that if the project is done by a team, then each team member does not need to know about all the implementation details about other components. This turns out to be convenient for management.

One notable thing in the design is that, instead of sorting the scores directly, I create a comparator class and use it for comparing answers. The advantage is that next time if we want another way of comparing answers I don't need to modify the core code, but instead just the comparator class.

Another thing that deserves highlight is that for each component I only store necessary information, which saves us a lot of space, especially when the input/content in the input is extremely large.

For more details about the implementation, please refer to my project.