Summary for the Final Presentation

Name: Chenkai MA（马晨凯） Student ID: 55171113

It really pained and saddened me to realize that there was no possibility that our integration demonstration would succeed. I know for a fact that many people, including me, have contributed as much as possible to the success of this project, yet the whole project would remain in the state of "largely failed". Although it seems profoundly seductive to just blame this mortified and awkward experience on some truculent and unreasonable assumptions and illusions of some particular student, who didn't seem to be aware of his own problems, and perhaps never would, I still understand in my heart that there is a deeper reason instead of a moral one. The responsibility of integration testing and integration demonstration involves all teams, and almost no one has such tremendous mental power and energy to supervise and control all students. Although this may sound like a shirking of responsibility, we were faced with a problem that was almost equivalent to the actual project in the enterprise when the relevant mechanism was not sound enough (for example, there was no QA), not to mention ever-changing needs and never-showing good data sets.

**Summary for the Final Presentation**

Name: Erhan ZHANG（张迩瀚） Student ID: 55171114

This semester's course has made me gain a lot. I learned how to work with others to develop a large-scale project. This form of developing an algorithm based on a practical application also interests me very much. It is very important to connect well with other groups. We must have a unified interface and data interaction format. We encountered many difficulties in the project, we worked together to solve them. The project taught me not to be discouraged and trained my problem-solving ability. We should have an international perspective and consider all aspects of the problem. In the development of more than a month, I have been thinking about how to run our algorithm more efficiently every day. Thanks to the teachers and professors in Portugal, thanks to this course, I have gained a lot of knowledge.

Summary for all sites meeting 11/14/2020

Hanfeng Zhang, from Team Dog-ray (Algorithm)

Student No. 55171126, Jilin University

In the second meeting, a problem of communication was revealed. Initially, I provided a whole set of installation and transmission guide for the server group and sent them a video sample recorded by myself. I thought they were clear enough for setting the algorithm up from nothing, but the computer they used as server had a wrong configuration on its network adapter. Finding the misconfiguration and fixing it cost us a long time. After that, the server group and the client group told me the result “was looking good”. However, in the final meeting, we found that the output picture was odd. I firstly thought that was because the different coordinate system, but in the later presentation of client group, they were using a different way of Cobb angle marking. Then I noticed that we were using different line presentation method, and in our way, the doctor said that the output was close to fact when I showed it privately. After this meeting, I learned that seeing is believing. In communication, anything is not “looking good” until I see it on my own.

I am FENGWenxian(冯文显 55171121). I play the role of Arch and R.A. in the group Dog-Ray in this project. As an architect, I am mainly responsible for system design and technique route design. As a R.A., I am mainly responsible for requirement analysis and customer communication. In addition, I also participated in the coding of our algorithms. I code to realize curve fitting and to measure the Cobb angle.

All in all, I have benefited a lot from this course. I experienced the complete software development process and exercised my coding skills and improved my teamwork awareness.

In the end, I want to express my gratitude to my teachers and teammates. Thank you!

Author: Huixiang LIU(刘慧祥)

Number: 55171116

**Summary**

In our group, I was the tester and coder.

As a tester, I gradually designed test cases according to the requirements, tested our algorithm, and wrote and updated the test report of our group in the process of project advancement. Before the integration test, I communicated with the relevant personnel of the server group on behalf of our group to determine the data format of the interface, and assisted another coder of our group to write the interface to meet the requirements.

As a coder, I wrote the algorithm module for calculating Lenke classification in the second iteration. And I adjusted the algorithm module of calculating Cobb angle to make it can calculate two Cobb angles to support Lenke classification, because it can only calculate one Cobb angle in the first iteration. I also explained the calculation method of Lenke classification to the relevant personnel of the server group, so as to help them complete the recalculation of Lenke classification caused by the doctor's adjustment of Cobb angle.