1. *Overview*

“Dental Game” is a website interactive system that allows students and scholars in University of Pittsburgh Medicine School to review their knowledge in a relaxed and pleasant way. The specific method is to choose the correct match between four image options and technical term, and according to the different levels of users, "Dental Game" is divided into three levels.

In this semester, we chose to develop “Dental Game” as mentioned before to be our final project of the interactive system design, through communication with the client, our group chose to increase the login interface and question management interface for this system. After about a month of cooperation, we have now completed the client's demand for the project. In the future, we will continue to improve our current interactive system.

This report is organized as follows: The instruction of the system is introduced in section II. The user study is presented in section III. In section IV we gave the Heuristic evaluation analysis and list of our improvement. Acknowledgement included in section VI.

1. *Acknowledgement*

Thanks to Professor Dmitriy for presenting the initial system interface and question database through GitHub, as well as a weekly communication with us on the project process and where improvements are needed. Thanks to Professor Peter for the relevant expertise taught in this course, and the advice provided in our first presentation, so that we can logically improve the system. Thank each team member in this project to pay and effort. In the future, we will continue to improve our “Dental Game” question management system to improve the user experience.

Group member:

Jinrong Liu: Responsible for the realization of the system function and the instruction of question management system.

Yiyuan Xie: Responsible for user study and related conclusions

Xiangyu Ding: Responsible for providing Heuristic evaluation analysis and improvement advice, as well as the writing of the report.

Zhaoxuan Ren: 你自己写一下吧。

Client: Dmitriy Babichenko, Elizabeth Ann.

Instructor: Peter Brusilovsky