Appendix A: Interviews

Interview #1: Determining the current problem and analysing the current system (after observing the class)

21/2/17

Describe your daily class routine.

First the students come in and go on to change into swimming gear and then I take an attendance of the present students and then the class begins. I instruct them to do warmup first then do laps and instruct them on how to improve accordingly.

How do you keep records of student performance?

I use either my phone’s notepad or just a physical one to record time intervals and performance for each student.

How do you asses’ students’ performance? Is there a standard for grading?

Yes, I grade my students based on a range of grades, ranging from 0 to 10. Usually I pick student’s whose grades are 8 and higher to train them for the competitions and etc. The rest, I instruct them accordingly to improve their grade.

Under what conditions do you use the system?

I use the system in bright and well-lit conditions of the swimming pool area.

Interview #2: Approving Success criteria

Are these success criteria acceptable for having a finished product?

Yes, the criteria are specific and cover targets the product should meet when it is finished.

Interview #3: Design Feedback

Is the design of the product simplified and easy to use and navigate around?

Yes, the design is simplified and I like it! The colours and all are well thought and make it easier to see it in well-lit conditions.

Would you like any changes?

No, the design works adequately and is simple to use. There aren’t really any changes I can suggest.

Interview #4: Final Feedback

27/2/17

Here is a demonstration of the product. Does it satisfy your needs and work as intended? Are there any errors produced or any difficulties?

Yes, it satisfies my needs and the website works smoothly without any delays. And, there are no errors or difficulties in using the system. The system works on my personal computer as well!

After being demonstrated the product, what do you feel can be improved in the software?

There isn’t really a lot, in my opinion the System could have buttons and drop-down inputs for adding students. It could be synced with school’s record so I won’t have to add records manually and student reports for individual students could be added.

Appendix B: External libraries and resources

Bootstrap

jQuery

Canvas

Google Fonts

Favicons

Appendix C: Product Screenshots

Appendix D: Project Code