

Task 6

1. A brief summary of our specification, CRC model, scenario walk-through, and skeleton program

We have done specification, CRC model, scenario walk-through, and skeleton program step by step. For specification, we have simulated every possible way the user can use our application. And we wrote down the CRC model according to specification, all the classes and the functions are mentioned, in order to make sure people read our words more clearly, we bold each class. For a walk-through, we gave a simple example of how users would use our application based on our skeleton program. The application we design would have more ability and more functions as we put more work on completing the code.

2. Open questions our group is struggling with

The main problem is that as we go deeper through our discussions, we want to realize more functions and abilities, but there are time limitations and lack of manpowers.

For example, we can divide customers into different genders such as males, females and so on. Since our application could analyze the user according to what they have done, we can analyze the users more precisely according to their genders since each different gender has different body type and physical performance. But for now, we can not analyze according to the genders of the users limited by time and knowledge we know.

Since we are a group of seven, each of us would come up with different ideas, however we can not satisfy all of these, we have to abandon or delay some of those ideas.

3. What has worked well so far with your design

We decided this problem space really fast and everyone on our team is interested in this topic. The outline of our application is pretty clear, record and analyze what sports people do every day and how much calories they eat every day. And since a lot of people are interested in exercise, we would face wise customers.

As we do deeper research, we find out this problem space has a good potential to work on and we can distribute more interesting functions.

4. A brief summary of what each group member has been working on and plans to work on next.

We are a group of seven, all of us decided the main idea for this application and we wrote and modified the CRC model together. After that, two of us are working on the specification and scenarios walk-through, four of us are working on the skeleton program which is the coding part, and one of us is working on the summary, gathering all the information from each group member and recording all the problems we have faced so far. And we have a more detailed group attribution sheet below. We have very specific work for each one and we list a detailed group attribution sheet below, everyone has ticked in the box if they participate in those tasks.

Since the instruction of phase1 is not out yet, we would keep working on codes to complete more functions in each class. For future work, we would have a group meeting at the beginning in order to understand the main idea of what we are going to work on, and then we would separate the work into

pieces and make each of us work on it for a certain amount of time. During this period, we would have a group meeting in order to talk about the technical issues we are facing if there is any. After everyone has done their own part, we would have a final meeting to conclude everything and everyone would have an opportunity to talk about their codes if they can not explain this part of code by comments beside. The communication inside the group is always the most important thing for us, so we would always have group meetings in order to make sure everything in the project goes well.

Group Attribution Sheet

	Yumeng He	Xinxue Guo	Zixuan Zhou	Yancheng Zhou	Yicao Song	Ray Xu	Hao Yin
Task 2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	
Task 3	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Task 4		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
Task 5			<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Task 6	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			

Reference

[1] Waehner, P. (2020, April 10). *Calculating the calories burned during exercise for weight loss*. Verywell Fit. Retrieved October 16, 2021, from <https://www.verywellfit.com/how-many-calories-you-burn-during-exercise-4111064>.

[2] *Food calories list*. (n.d.). Retrieved October 16, 2021, from <https://www.uncledavesenterprise.com/file/health/Food%20Calories%20List.pdf>.