Criterion E - Evaluation

Word Count:251

During the final meeting with my client ***(see Appendix E)*** all of the initial success criteria were tested in accordance with the final version of the application to ensure that this whole project has been completed successfully. Potential future improvements were also discussed.

No:	Success Criteria	Has the application met these criteria?
1.	**Ability to calculate their BMI(Body Mass Index)**	"The criterion has been met successfully, I am able to enter my weight, height and age and get the BMI from the app."**-Client** I was able to make an accurate BMI calculator that gives a precise answer however I could have added a different form of measurement that would more accurately represent the user's health. I decided to go for BMI because it was the simplest to implement and easiest to understand for users.
2.	**Ability to check if BMI is in the healthy, underweight, overweight or obese range.**	"This criteria has been met as well. The app tells me whether I am healthy, unhealthy or obese using my BMI."**-Client** I was successfully able to divide the calculated BMI into four separate categories and deduce whether the BMI is the healthy, underweight, overweight or obese range.
3.	**Ability to input food items with their nutritional facts**	"This is also a success. Oh yes. You showed me the values being inputted in the database on the SQL database helper app and also in the list. "**-Client**

		I was able to make an app that allowed the user to Input food items with their nutritional facts however I did not make much use of many of the nutritional facts in the app.
4.	**Ability to view a list of all imputed food items and their respective nutritional facts**	"Yes, as mentioned right now I am able to view the food I add in a list with all the details. This is actually very useful as I can easily check for the food I have already added to the app. It also helps me pick what I want to eat as I can just scroll through the list to see options and their calories to pick what I want to eat."**-Client** I was able to create a list of cards that showed the food items entered and allowed the user to scroll through them.
5.	**Ability to enter information about the user's age, weight and height**	"You did the same with this as well. You showed me the values in the SQL app."**-Client** I was successfully able to implement a page that accepts the age ,weight and height of the user for making future calculations.
6.	**Ability to scan QR codes on the back of food item packs to get information about their nutritional facts**	"Yes and I have to say I am impressed that you were able to make it. The scanner is able to scan QR codes on the back of the packets and give me a code that helps me get the calories and stuff about the food. The volume button feature is also handy when I try to scan codes in the dark."**-Client** I was successfully able to create a QR code scanner that is able to scan codes on the back of food items and display their contents however, this feature was rather underwhelming as the scanner was unable to directly

		input the nutritional values of the food items into the database.
7.	**Ability to input the calories eaten in a meal**	"This was also a success as shown by you in the app."**-Client** **"**Using the SQL database helper right?"-Me "Yes."**-Client** I was successfully able to implement a page that accepts the name, quantity and the meal type of food items eaten.
8.	**Ability to recommend food items based on the user's age, weight and height**	"This was a success. I was impressed by the recommendations the app gave me. It actually made a lot of sense and was helpful. I didn't expect the recommendations to change based on my BMI. That really surprised me."**-Client** I was able to implement a page that recommended food items from the database based on the calculated BMI and give recommendations of its own however I could have done a lot more with this page. For example, the page could provide recipes for meals to eat based on the user's BMI.
9.	**Ability to track the calorie count of each food item, portion size and the date of consumption of each food item the user has eaten**	"The app was able to track the calories of each meal I ate and I did not even have to input all the values of the food again. It shows the calories I had in a day and it refreshes everyday." **-Client**
10.	**Ability to check for errors and display an appropriate error message if there is one**	"I had not actually tested this one"**-Client** "We could do that right now if you would like."-Me

		Opens the app on the phone and checks this criterion in the BMI calculator "Ya so the app can tell you if you have entered all values or not and it also shows a nice pop up to tell you that you need to add some value."**-Client** I was successfully able to implement some for of error checking in most of the pages in the app.
11.	**A home page to easily be able to navigate through the app.**	"Ahh yes this is the one that I recommended. Yes, this one was also met. As soon as I started the app there was a home page with four buttons to choose what I wanted to do. It gave me the option to go to the page to input my age, weight and height, the page to add food, the page to calculate my BMI and the page to track my calories."**-Client** I was able to create a home page to help in navigating through the app but looking back at it now A menu bar would have been a better choice and would have made navigation more efficient.

Potential Improvements (Refer to Appendix E)

1. The client made a good suggestion that I should have thought about first. The QR code scanner should be able to directly acquire the nutritional values of the food items and give the option to add it to the database and the food list if the user wants to.
2. This was an interesting idea proposed by the client. The home page of the app could have another button that takes the app to a page that shows how much the user has walked to be better able to help the user track his/her calories burnt. It would also be

good to allow the user to input a goal and calculate a daily step count for the user and check if the user is meeting it.

3. There could be another page in the app that provides workout recommendations like the food recommendations page based on the BMI of the user to help him/her get in shape.

Overall I think I did a good job of meeting all the user requirements and keeping my client satisfied. With more time, however, I believe that I could have made a better product with more features but for now, with what I have accomplished, I would call this project a success.