Universiti Teknologi MARA

E-Canteen: Eating Behaviour Visualization Application

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**Project submitted in fulfilment of the requirements
for Bachelor of Computer Science (Hons.)
Multimedia Computing
Faculty of Computer and Mathematical Sciences**

JULY 2017

ACKNOWLEDGEMENT

Alhamdulillah, praises and thanks to Allah because of His Almighty and His utmost blessings, I was able to finish this research within the time duration given. Firstly, my special thanks go to my supervisor, Dr. Sharifah Aliman, who is being the backbone to the success of this project. She often gives advice and guidance to me while preparing this proposal. Although she has her busy schedule, she still gives her time to help me. Besides, thanks to Dr. Marina Ismail and Dr. Norizan Mat Diah for helping me in completing the proposal.

Second, special appreciation also goes to my beloved parents, Mr. Kamaruzzaman and   which has a lot of moral support and financial assistance to solve this proposal. In addition, I also thank my colleagues for having a lot of aid and efforts to enhance cooperation for the realization of this proposal successfully.

Last but not least, I would like to give my gratitude to all who have been involved in the success of this proposal either directly or indirectly. I very appreciated all your helps because without your help and your support, this proposal cannot be executed.

ABSTRACT

Some canteen sells food and drink to reap the benefits without following certificates granted by the Ministry of Education. Besides, the school also often takes more advantage in profit based on their food sold. In addition, the children eat was unmonitored. Thus, this study aims to help parents to monitor their children's food intake at school. The project was developed using HTML5 and using PHP for the database. With the E-Canteen Application, the parents can identify the quantity of their children's food intake and they can also compare whether the price of food sold in schools meet with the quantity of food. Furthermore, in the E-Canteen Application, there have the food graph to visualize to the user in daily, weekly or monthly so they may know what the children food calories are. This web application also can help parents to calculate their children food calories in daily. Moreover, the E-Canteen application will help the parents to take note on their children health from food side. The E-Canteen application also provides the administrator section for canteen to control the application. Hence, the testing method is based on functionality which is the application can be used by the user. The evaluation was performed by 10 respondents in which most of the respondents were satisfied.

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CHAPTER 1

This chapter provides the background and the rationale for the study. It also gives details of this study as it discusses on the research background, problem statement and objectives. The scope of research, its limitation, significant, methodology and approach are also included in this chapter in order to assist the focus of the study.
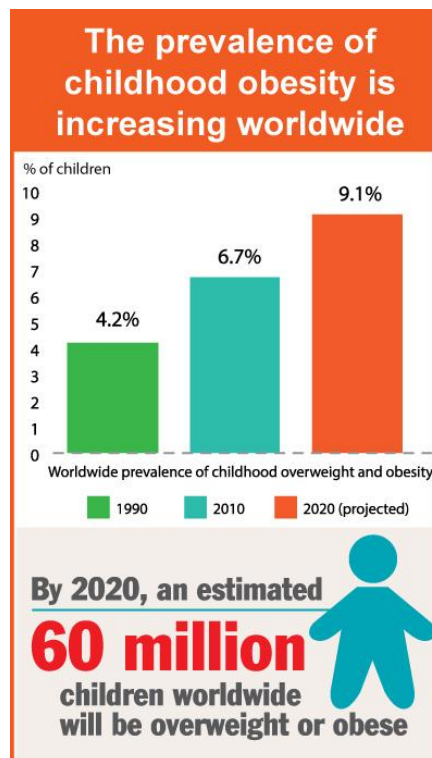
1.0   Introduction

Figure 1.1   The prevalence of childhood obesity in worldwide
(Source from: http://mypositiveparenting.org/2015/10/20/chubbier-is-not-better-stop-childhood-obesity/)

The graph above shows the prevalence of childhood obesity been increasing year by year in worldwide. From 1990 to 2010, the prevalence of childhood obesity