Universiti Teknologi MARA

An Interactive Malaysian History Mobile Application for Upper Secondary School Students in Malaysia

Nurul Hani Binti Hassan

**Thesis submitted in fulfillment of the requirements
for
Bachelor of Computer Science (Hons)
Faculty of Computer and Mathematical Sciences**

January 2019

SUPERVISOR'S APPROVAL

AN INTERACTIVE MALAYSIAN HISTORY MOBILE APPLICATION FOR UPPER SECONDARY SCHOOL STUDENTS IN MALAYSIA

By

NURUL HANI BINTI HASSAN
2016572345

This thesis was prepared under the direction of thesis supervisor, Madam Masurah Mohamad. It was submitted to the Faculty of Computer and Mathematical Sciences and was accepted in partial fulfilment of the requirements for the degree of Bachelor of Computer Science (Hons).

Approved by:

....
Madam Masurah Mohamad
Thesis Supervisor

JANUARY 2019

DECLARATION

I certify that this report and the research to which it refers are the product of my own work and that any ideas or quotation from the work of other people, published or otherwise are fully acknowledged in accordance with the standard referring practices of the discipline.

NURUL HANI BINTI HASSAN

2016572345

JANUARY 2019

ACKNOWLEDGEMENT

Alhamdulillah, praise and thank 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, Madam Masurah Mohamad for her guide, patience, motivation, and continuous support that she had given to me. I could not imagine having a better mentor and supervisor to help me finish this research.

Special appreciation also goes to my beloved parents and family for their outstanding support throughout writing this thesis and my life in general.

Last but not least, I would like to give my gratitude to my dearest friend Nur Anisah Hassan, whom together we shared sleepless nights and moral support throughout finishing this research.

ABSTRACT

Malaysian History subject is a compulsory subject that need to be learned by all students of Malaysia secondary school. However, the Malaysian History subject is not the most popular subject among the students. The students are required to understand and memorize the facts in order to answer all questions and score in the examination. Based on the conducted survey, most of the respondents (upper secondary school students) feel that the way of teaching and learning this subject need to be changed. The students feel that learning with textbook is unappealing to them. Thus, an interactive application is proposed to overcome this problem. The main objective of this project is to develop interactive mobile application that helps students to learn Malaysian History subject in more enjoyable and interactive way. The application is built using Sketchware. Sketchware is an application that enables the project to develop Android mobile application directly on mobile devices. It uses the combination of JAVA and Sketch, a block language that enables the project to go beyond prebuilt widgets, allowing the application to be flexible and scalable. The application consists of three chapters for Form 4 and Form 5 respectively. Thus, the chapters can be added in the future. Based on the survey conducted on thirty-one students, sixty-one percent of the students strongly agree that this application is easy to use and interactive since it combines audio, videos and pictures to attract the students into the world of Malaysian History. As the result, students can visualize, understand and appreciate the Malaysian History subject and also their own national history.