UNIVERSITI TEKNOLOGI MARA

WEB-BASED APPLICATION FOR USED TEXTBOOK CATALOGUE WITH CONTENT BASED TITLE RECOMMENDER

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JULY 2017

ACKNOWLEDGEMENT

In the name of Allah the Most Gracious, Most Merciful. 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 deepest and sincere gratitude are extended to my supervisor, Miss Fadzlin Binti Ahmadon, for her advice, insightful guidance and encouragement that she devoted in helping me to complete this project.

Special appreciation also goes to my beloved parents Rafisam bin Hashim and Zairani binti Zainol. Also to my beloved brothers, sisters and relatives, they encourage me in my academic pursuit throughout my life journey and for their continuous love and prayers.

I would like to give my gratitude to my dearest friend for their help, support and patience throughout the whole period of doing this project

Last but not least, special thanks to Dr. Khyrina Airin Fariza binti Abu Samah for her help in sharing and providing useful information about the project. This project might be not done without all of you.

Thank you and May God bless all of you.

ABSTRACT

The textbook is a book used as a standard source of information in order to gain knowledge regarding a specific content. Nowadays, college textbooks are becoming increasingly expensive and recently has become an issue to college students. Based on the survey conducted at Faculty of Computer and Mathematical Science (FSKM) students in Universiti Teknologi Mara (UiTM), Jasin Campus, it has been concluded that students find it difficult to buy textbooks for the courses they are enrolled with. Furthermore, respondents stated that the cost of textbooks are expensive and are becoming a burden and it also become the factor for discouraging them from purchasing textbooks for their classes. Therefore, this application is developed to help students recommend used textbooks based on the student's course and semester. Besides that, students can search and find textbooks more easily using the recommendation system. This web based system is developed based on Rapid Application Development (RAD) methodology, which consists of four stages which are the planning phase, design phase, development phase and the cutover phase. The requirement gatherings was conducted and the system was developed and designed. Content-based filtering technique is used and implemented in order to recommend the used textbooks based on course and semester by filtering the results to the users. Finally, functionality testing was conducted to confirm that all features work as intended and the system is feasible to be used.

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