

**Universiti Teknologi MARA**

**E-Booking Equipment System Madetill  
Event Management Sdn. Bhd**

**Amir Syafiq Bin Mohd Rizuan**

**Thesis submitted in fulfilment of the requirement  
for  
Bachelor of Information Technology (Hons.)  
Information Systems Engineering  
Faculty of Computer and Mathematical  
Sciences**

**January 2019**

## **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, miss Anis Afiqah Binti Sharip for helping and guiding in completing this final year project and always inspiring and given all her support for the entirety through this research journey. Her guidance and encouragement are among the one that led to the successfulness of this research where it was completely delivered as it supposed to.

Special appreciation also goes to my beloved parents, Mohd Rizuan Bin Saari as well as Mrs. Saayah Binti Mat Isa for being my father and mother that always give support, either morally, physically, and financially upon completing this research.

Last but not least, I would like to give my gratitude to my dearest friend especially Ikram Syakir Bin Mohd Amin, Wan Muhammad Amin Bin Wan Nor Azmi, Ahmad, Arsyam Bin Hamsa, and Ahmad Muqri Bin Badri for sharing the knowledge and information together while doing this project. It helps a lot in doing this project. I learned a lot of new things while completing this project.

## **ABSTRACT**

Madetill Event Management Sdn. Bhd. is the company located at Balakong, Selangor that offer rental and sales event equipment for the customer. Customer can rent or buy the event equipment. However, current booking process poses tedious process where it requires customer to attend to the company requesting needed equipment. Furthermore, it requires a lot of time just to confirm the necessary procedure prior with the booking such as payment confirmation that need to be done by the customer. For this project, it is about E-Booking Equipment System that will improve the traditional system or manual system into computerized system. The system focused on web-based system in order for customer to make and manage their booking. while staff able to make and manage the event equipment and customer booking. During the development of this system, Waterfall Methodology has been chosen. There are 4 phases that have been use which were planning, requirement analysis, design and development. Tools that were used for the development of this project will be PHPStorms which suits perfectly with Laravel framework. The system has been developed in order to achieve the objective of this project. By using the system also, it able to provide more convenient to the customer which enables them, to make booking easily without any difficulty and restrictions. Customer can book event equipment anywhere without the need to call the office or attend to the company for booking needed equipment. Customer also able to pay the booking deposits directly by using provided payment platform or otherwise the booking will be declined. Additionally, customer also able to track their booking by using the system.

## **TABLE OF CONTENTS**

<b>CONTENT</b>	<b>PAGE</b>
<b>SUPERVISOR APPROVAL</b>	<b>i</b>
<b>STUDENT DECLARATION</b>	<b>ii</b>
<b>ACKNOWLEDGEMENT</b>	<b>iii</b>
<b>ABSTRACT</b>	<b>iv</b>
<b>TABLE OF CONTENTS</b>	<b>v</b>
<b>LIST OF FIGURES</b>	<b>viii</b>
<b>LIST OF TABLES</b>	<b>x</b>
<b>LIST OF ABBREVIATIONS</b>	<b>xi</b>
<b>CHAPTER 1: INTRODUCTION</b>	
1.1. Background of Study	1
1.2. Problem Statement	3
1.3. Aim	5
1.4. Objective	5
1.5. Project Scope	5
1.6. Project Significance	6
1.7. Chapter Summary	7
<b>CHAPTER 2: LITERATURE REVIEW</b>	
2.1. Overview of Web – Based	8
2.2. Booking System	9
2.3. Notification Technique	12
2.4. Payment System	16
2.5. Searching Technique	20
2.6. Related Work	20
2.7. Comparison of Related Work	30

2.8. Development Approach	30
2.9. Discussion	36
2.10. Summary	37
<b>CHAPTER 3: METHODOLOGY</b>	
3.1. Waterfall Methodology	39
3.2. Planning	41
3.3. Requirement Analysis	41
3.4. Design	43
3.5. Development	44
3.6. Summary	45
<b>CHAPTER 4: ANALYSIS AND FINDINGS</b>	
4.1. Planning Phases	46
4.2. Requirement Analysis	50
4.3. Design	56
4.4. Development	62
4.5. Summary	71
<b>CHAPTER 5: CONCLUSION AND RECOMMENDATIONS</b>	
5.1. Conclusion	72
5.2. System strength	73
5.3. Limitation of the system	74
5.4. Recommendation for Future Works	75
5.5. Summary	76
<b>REFERENCES</b>	<b>77</b>