

ONLINE BOOKING CAR PURCHASING SYSTEM

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ONLINE BOOKING CAR PURCHASING SYSTEM

SHAHLINA BINTI HASHIM

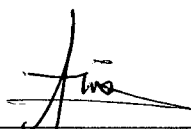
**This report is submitted in partial fulfillment of the requirements for the
Bachelor of Computer Science (Software Development)**

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2010**

DECLARATION

I hereby declare that this project report entitled
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DEDICATION

To my beloved parents,
Hashim bin Mohamed and Rosni binti Md. Yunus,
my brothers and sister, you are my supporter.

To my supervisor, Prof Dr. Nanna Suryana, my lecturer and my dear friends,
thank you for given me the excitement of student lives.

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ABSTRACT

Nowadays, with the advancement of information technology, all the work can be done easier. Apart from encouraging lifelong in marketing, the online booking environment should also personalize the marketing path of its user. But for the certain company such as company of selling car they do not use online system to manage the car booking. So, to make it easier I propose to develop the online system to make booking of car purchasing system for user which the name is Online Booking Car Purchasing System which is to be testing by Perodua Company. This Online Booking Car Purchasing System (OBCPS) is important because with this online system, it will give benefit especially for the company which is can reduce the man power besides they will get profit by using this system. Besides that, it is also can give benefit for the administrator and also sales distributors to handle the booking process besides it will also give benefit for purchaser to get the information about Perodua product and at the same time they can make the booking process of the car that they want to buy just through online. In addition, by producing this online system, the problem that occurs in the current time will be improved and users do not need to follow much procedure to book the car by manually. Users just can make it through online application. No need to facing the problem which is related to their time, cost of petrol and other else. Besides user can get information about Perodua product services and make a booking process through this online system, they also can give feedback about the services by using this system or any suggestion and comment in chat room page and also in contact page. From here, admin and developer can know how the response from user and if the feedback is positive, its can make sure that the system need to maintain and for the negative feedback, developer can try to improve better performance depend on user feedback.

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LIST OF ABBREVIATION

1. OBCPS	Online Booking Car Purchasing System
2. OBTBP	Online Booking Ticket Bus Plusliner
3. SDLC	Software Development Life Cycle
4. OOAD	Object-oriented Analysis and Design
5. UML	Unified Modeling Language
6. OOA	Object-oriented Analysis
7. OOD	Object-oriented Design
8. ERD	Entity Relationship Diagram
9. RAM	Random Access Memory
10. DBMS	Database Management System
11. DDL	Data Definition Language

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CHAPTER 1

INTRODUCTION

1.1 Project Background

Nowadays, with the advancement of information technology, all the work can be done easier. Apart from encouraging lifelong in marketing, the online booking environment should also personalize the marketing path of its user. But for the certain company such as company of selling car they do not use online system to manage the car booking. So, to make it easier I propose to develop the online system to make the booking for car purchasing system for user which the name is Online Booking Car Purchasing System.

This Online Booking Car Purchasing System (OBCPS) is a website to provide a lot of information about the product of car and also handle the booking process for car purchasing. I choose Perodua as a company that will use this system. This online system helps user to make the booking directly from the website. User can just go through this website and they can make the booking just by fill in the particulars form.

Other than normal user, this system also can be managed by admin and distributor to confirm the booking and handle the booking processes which include the details of purchaser and distributors location that they select. Once the purchaser come to collect their car, the distributor need to update the purchaser information of their booking payment by click approve button and the payment detail are done. Before admin and distributors can access the system, they must to login first to secure the system from unauthorized user. Same goes to any user that who wants to make a booking even they just want to explore the more provided function in this system. They also need to register first.

1.2 Problem Statement

For the current system, user has difficulties to make the booking for purchasing car because of lack of information which are purchaser may don't know how the procedure to make the booking for purchasing car. They also don't know what documents that they should bring along to make the booking. For example: Documents that required such as a copy of identity card, license or something else. Besides that, the current process is wasting of time. If more people want to make the booking at one time, there might be take time to response each one of them to settle the process. Purchaser may have other important work besides waiting to their turn.

Another problem statement that occurs which is information do not updated and difficult to get. Current system is not regularly updated because registered manually. By using OBCPS system, admin may easily update the information faster just by search the information that they want to update based on Id number then just edit. Besides that, no need paper resources to fill up the reservation details of purchaser. So, it can reduce cost because less paper usage. Admin just need to edit if any changes in the OBCPS system database. Make it easier and efficient. Benefit for purchaser, they just can directly go to this website to make the booking.

1.3 Objective

The objective that needs to be emphasizing in this project are:

- To provide the platform for user to booking the car through online.
- To improve the process of the current car booking.
- To make convenient and faster application wherever access through online.
- To make an easier for admin and sales distributor to manage the booking process.
- To create an effective and up to date online Booking Car Purchasing System.

1.4 Scope

The scope of the project is only applied on three parts which are Specific users, Specific platform and Specific functional. Each part is describes as below:

1.4.1 Specific Users

- a) People who want to get car information in Perodua and people who want to make the online booking.

This system will be used by people who want to get car information in Perodua and who want to make an online reservation. Their booking is successful after they fill in all the particular form and submit their booking details. They need to go through 4 steps before their booking become successful. 1st step, they need to fill in their personal detail include of the distributor location that they select to collect their car. 2nd step, they need to fill in the payment form which include the type of payment whether using credit card or cash. In this system they just state their type of payment and a little bit information about the payment they need to settle the payment at sales distributors within 2 weeks after the date they make the reservation. 3rd step, they can check their booking detail first to make it sure all the details is true in confirmation page and the 4th step, purchaser need to print the confirmation slip as a prove when they want to collect their car. Purchaser need to settle their payment at distributor within 2 weeks. If they failed to do that, their booking automatically will be cancelled.

Besides making online booking, purchaser also can view statistic of car sales from this system. Once purchasers make a booking through this website, the statistic will be updated and show the percentage of car purchase by purchaser. In addition function that I provide in this system, user can drop their comment of this system. Satisfied user will leave positive feedback whereas unsatisfied user will leave this company a guideline on how to improve its products and services.

b) Admin of the Perodua.

This system also used by admin to manage the booking system. As we know, admin have full responsibility in every part of the system. From this system, the most important part that admin can manage is the reservation part. Admin also can handle a lot of site which are one of that is site of car information including of register new car, update and delete car information. They also can handle user information including of distributor information. Admin also can handle news that they want to publish also as to provide the updated information for user. In addition, admin also can reply comment that user drop in this system for their feedback to improve the services. In admin page also provide the statistic page that includes the number of car that have sold through this online system based on type of car.

c) Sales distributors of the Perodua.

These systems also used by the sales distributor to manage the booking process. Distributor also can be apart to handle process of booking car when purchaser wants to collect their car at distributor location that they choose before. Besides that, distributors also can handle car information, add and update news, view user and view statistic.

1.4.2 Specific system platform

- Web-based System.

The web-based system is used in order to enable the authorized people to make booking process anytime and anywhere.

1.4.3 Specific functional

This online system function is to make the easy way for user to make a booking of car for purchase.

1.5 Project Significance

This Online Booking Car Purchasing System (OBCPS) is important to provide an effective and easier booking process of car purchasing for customer by just go through to the website and also for admin and sales distributor in order to manage the booking process beside update the latest information. OBCPS system is designed to ensure all the data that collected from user are correct and safe to be saving into database. OBCPS system is also convenient to use as it can be accessed anywhere at any time as long as user has an internet connection as well. OBCPS system also developed to make a simple procedure of car booking application for make it done fast and effective. Using this system also, company can reduce the man power and reduce labor cost besides they will gain profit by using this system.

1.6 Expected Output

With this Online Booking Car Purchasing System (OBCPS), for administrator, they will receive car booking request from purchasers and they must to make sure that the purchasers already settle their payment first before purchaser can collect their car. Purchasers need to settle the payment at sales distributors within 2 weeks after the date they make the reservation. Before that, admin and distributor need to identify the purchaser application have been succeeded together with the booking id number. By refer from that booking id number, it's can be easier for admin and distributor get the details of purchaser. Once purchasers settle their payment, admin and distributor will update the purchaser data that approve their reservation are successful and purchaser can collect their car.

1.7 Conclusion

As a conclusion, this system provides very useful website and information for those who wants to make an online booking car purchasing. This system also provides the best way for users to make a booking easier than current process and also they can get information about car provided in Perodua Company. At the same time, it is also giving a lot of benefit for the company which is it can make profit by reduce the man power and reduce labor cost. Also benefit for admin and distributor to manage the booking process with systematic and smoothly. Last but not least, I hope that this website can bring all the benefit to the user. And I hope to serve you more and better.

CHAPTER II

LITERATURE REVIEW AND PROJECT METHODOLOGY

2.1 Introduction

A literature review is a critical look at the existing research or case study that have significant to the proposed project. Literature review is done by consulted others work in order to understand and investigate the problem of the research project. In conducting literature review, scholarly articles, books and other sources relevant to the particular issues, area of research or theory has been surveyed. After reviewing all material, a description, summary, and critical evaluation of each work is granted.

Literature review is important to convey reader what knowledge and ideas have been established on a topic, and what the strengths and weaknesses are. The aim of literature review is to provide a justification of the proposal research project, indicating how it will be different to that which has published and also to develop an argument or case for study based on literature review. It is important to view the work of others with insight to review critically. A good literature review presents a clear case and context for the project which is makes up the rest of the thesis.

Project Methodology refers to the approaches, techniques and tools used in developments of the project or system that will guide developer to accomplish the project.

2.2 Facts and findings

Fact and finding is an extremely important component of literature review. It contain domain of the project, the existing system and the technique that used in the proposed system. All the information is gathered from various sources such as online information, interview, and also existing system.

2.2.1 Domain

The domain for Online Booking Car Purchasing System (OBCPS) is the manual system of car booking management which had been used to manage the entire item regarding booking and purchasing car in Perodua Company.

In the manual system, the purchasers need to go to the sales distributor and fill in the form to make the booking process. After that, the sales distributor need to key in the purchaser data manually into the system. It is taken a longer time to settle it and maybe there are have the problem when distributor key in the data. It is also may develop the difficulties for purchaser who are working to go to distributor during office hour to make the booking.

There are some disadvantages of the current system, which are all of the data regarding to the purchaser are not in the safe mode. It is because, sometimes people do wrong not everyone is perfect same are going to the sales distributor. In this case, by using the current process of booking, the problem will be occurring if the sales distributor careless in key in the purchaser information. They need to recheck from the manual form again if it still available. It will take a longer time to solve it. For the purchaser, it is more difficult to make the booking at the sales distributor because they need to waste their time since it is open during office hour and also waste their cost to go to the distributor place or anything else. In addition, by using the current process, the company needs to provide a lot of man power to manage the booking process. So that, the company needs to use a lot of money for pay the salary to many workers.

Besides that, by using the current system, it is difficult for the sales distributor and admin to manage the booking process because of any lost or wrong of data and without any type of procedure that can make the booking process become more efficient and easier to handle.

So, this Online Booking Car Purchasing System (OBCPS) will be developed in order to overcome the problems as stated above. This online system can provide the more efficient way to