GDS BOOKING AND SERVICE SYSTEM

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TESIS INI DIKEMUKAKAN UNTUK MEMENUHI SYARAT MEMPEROLEHI IJAZAH SARJANA MUDA TEKNOLOGI MAKLUMAT DENGAN KEPUJIAN (E-DAGANG)

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DECLARATION
The materials in this thesis are original except for quotations, examples, summaries and references, which have been duly acknowledged.

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"I declare that I have read the thesis and according to my view this thesis is sufficient enough for the purpose of getting the Bachelor of Information Technology (Hons) in E-Commerce."

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ABSTRACT

GDS Booking and Service System

GDS Booking and Service System is designed to ease the employees and customers of GDS Repair and Service Company, which is a private company located in Sungai Buloh, Selangor, by providing convenience when managing and making appointment and also booking the products from the product catalog. Customers who are interested to know more about the company can also view the company profile through the website to obtain extra information or drop enquiry through the customer enquiry and feedback form. In addition, the employees of the company can also manage the new customers, appointment, product booking and also customer enquiry and feedback form through the system. Furthermore, this system is to be designed as an ease-users-works, immediate storage and retrieval web-based system for the client and also their customers to reduce the time consuming when making appointments of the service such as product repair or product service. This system also aims to minimize human error among the employees during product and service booking and appointment. In order to complete the project, background research had been done with at least 15 journals and articles and 5 application review towards existing web based system which will be used as a reference in developing GDS Booking and Service System. Moreover, an interview session with the general manager of the company is conducted through phone call for data collection process. In conclusion, the system is a solution to provide a simpler, faster, more effective and more accurate Information System in running a private company, especially in the era of globalization.
Abstrak

GDS Booking and Service System

ABSTRAK

GDS Booking and Service System

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CHAPTER 1

INTRODUCTION

1.1 Introduction

Nowadays, more and more companies are changing from brick and mortar to click and mortar. With the revolutionizing of Information Technology (IT), manual based system is replaces by systematic system. In a business context, Information Technology Association of America has defined Information technology as the study, design, development, application, Implementation, support or management of computer-based information systems (Proctor, 2011). Information can be exchanged directly from customer to customer, customer to business and also business to business by using Information Technology. Information technology also permits the user to communicate, surfing, and also dealing businesses through Internet.

GDS Repair & Service Sdn Bhd (GDS) is a private company located in Sungal Buloh, Selangor. The business activities of GDS include marketing and commissioning industrial machinery, supply chemicals, a range of lubricants and filters for industrial use. They also undertake to design and construct compressed air system for Industrial Works as well as in the hospitals, military applications and government technical Institution.

Currently, they are using a traditional way to promote their product and services to their wide range of customers which is by paper-based catalogue. Today, Internet
had reached to serve billions of users worldwide. Thus, in order to keep up with the
trend, a web based system is needed for GDS to upgrade their service to another level.

With this system introduced, customers can easily find out more information
about the product and services of the company. On the other hand, the booking system
included in the system allows the customers to make bookings on the product and make
appointment on the time slot for service or repair on the air compressor or refrigerant.

1.2 Problem Statement

The following are the problem might occur by customers and employees GDS Repair and
Services Sdn Bhd when they use the traditional ways.

1.2.1 Takes time to locate potential customers

Many companies have a fixed supplier to purchase the spare parts or repair on their air
compressor and refrigerant. Thus, in order to increase profit, GDS need to target new
company. Currently, GDS uses the door-to-door sales to introduce and present their
services to the customers.

By implementing GDS Booking and Service System, new potential customers can
easily use their web system to browse for the product and services that they are
interested in. Additionally, customers can easily do comparison on the product and
services so that they can choose the best company that suits their requirements.
1.2.2 Do not provide good after-sales-service method

Currently, GDS provides selling of air filter, air oil separator and oil filter products, and do repair and servicing of air compressor and refrigerant for their customers. Customers of GDS use the email and telephone method to contact the company for the after sales services. With a booking system implemented in GDS Booking and Service System, the customers can easily book the product from the catalogue. Additionally, customers may make appointment from available time slot for repair or servicing of their product without getting out of the house. On the other hand, the employer of the company can also manage and view their customer’s booking from the admin page of this system. An organize list of bookings and appointments will be shown for the employer where they do not need to waste time in arranging the bookings and appointments again.

1.2.3 Update of catalogue items cannot reach customers

In order to get the up to date item, customers of GDS need to always keep in touch with GDS to check whether the product is available or not. Customers need to provide address in order to receive newsletter from the company. By creating a website system, GDS can easily update the latest information about their product to their customers in the product catalogue. Customers can easily receive the latest and most accurate information that they need on the product. Other than that, customers can also get the detailed information of the product like description, width, height and etc.
1.3 **Project Goals**

The Booking and Service System should be easy to operate and should be such that it can be developed within a short period of time and fit in the limited budget of the client. The system is equipped with homepage, company background, product catalogue and product booking, after-sales-service and customer enquiry in order to provide convenience to the customers and efficiency for the employees of GDS.

1.4 **Project Objectives**

Project objectives list out the goal of GDS Booking and Service System towards the users who will be using this system.

1.4.1 **To reduce the time consume to locate potential customers**

By using the proposed system, the company can use this system to reduce the time consume in locating potential customers. This is because customer can surf the web for GDS Repair and Services Sdn Bhd from their office by using a web browser from the computer. Besides, this system enables other companies to view and book the product and services provided by GDS which can save a lot of time. Additionally, the recognition and reputation of GDS will be increase among other companies and society by creating this web-based system as the Internet is the largest online community in the world.

1.4.2 **Provide better company documentation and tracking of products sold**

By providing an online booking system, customers of GDS can easily select the customer’s booking time for repair or service of their air component or refrigerant...
products by choosing the preferred category, date and time. Other than that, they can also make bookings on the product by using the system. Besides, the employees of GDS can manage the after-sales-services easily from the admin part of the system by viewing, update and delete.

1.4.3 Detailed and up to date catalogue system

A detailed and up to date catalogue of the products is essential for the customers of GDS to get the updated information about the products and services provided by the company. Other than that, customers of GDS may check the availability of the product before they make a booking from the system. The detailed information about the products allows the customers to choose the most suitable product.

1.5 Project Scope

This Booking and Service System is developed for the customers and employees of GDS Repair and Service Sdn Bhd. It allows the customers to view the company profile and product catalog, online booking for product, repair and service and also drop enquiry about the product or services for the company to make improvements. This web based system is developed to attract new customers for GDS. Customers can also make bookings of their product so that they do not need to worry about the availability of the product. Moreover, this system will also help the employees of GDS to keep track on their repair and service bookings of their customers. With this system, customers will get the latest product update from the company from the product catalogue feature. Other than that, the company can monitor their technician performances because their
customers can drop comments and feedback on the services given. This project estimates to finish by May 2014.

1.6 Data Types and Target User

The most appropriate type of data for this project is primary data. These data is collected from the interview with Mr Joseph Lay, the general manager of GDS. From the interview, the developer further understands about the needs and requirements of our client for the system.

➢ Primary user (System Administrator)

System administrators are the person responsible to manage the GDS Booking and Service System. Their responsibilities are:

- Manage product catalogue
- Manage product booking from users
- Manage service and repair booking
- Manage system user
- Manages comments

➢ Secondary user

1. Registered user

Registered users are a group of people who have registered for GDS Booking and Service System.

- View company background
- View and book product
• View and submit service and repair booking
• Post customer enquiry
• Track booking and appointments made
• View and update user profile information

ii. Non-Registered public user

Non-Registered public users are people who use the portal for viewing and gets information about the company and their product and services. The portal does not have any information about that person in the database. The functions for these secondary users in the portal are limited:

• Register as system user
• View company background
• View product catalogue
• Post customer enquiry

1.7 Project Description

GDS Booking and Service System is a Web Based System that allows our client, which is GDS Repair and Services Sdn Bhd to manage their product in a more organized and systematic way. Other than that, this system includes an online booking system for the customers of GDS to make booking to repair or service the air compressor or refrigerant in their company. By using this system, employees of GDS can also keep track on the booking of their customers and assign their technician to do the repair or service easily. Product catalog with detailed product information is implemented in the web system. Customers who have already registered will entitled to use the product booking features from the web to ease them from making booking in the traditional way. This system also
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