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## Ticket Package Distribution System

NG PEI KUN

This report is submitted in partial fulfilment of the requirement for the Bachelor of Computer Science (Database Development)

FACULTY OF INFORMATION AND COMMUNICATION TECHNOLOGY  
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2015

## DECLARATION

I hereby declare that this project report entitled  
TICKET PACKAGE DISTRIBUTION SYSTEM

Is written by me and is my own effort and that no part has been plagiarized without citations.

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## **DEDICATION**

To my beloved parents who give me full support, encourage and inspire me during the difficult time to complete this project.

To my respective supervisor, Mr. Yahaya Abd Rahim, who guide, advice and assist me to develop this project.

To all my friends, who always give me the moral support and been there whenever I am in need.

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## ABSTRACT

Ticket Package Distribution System is a web-based database system. It is an online platform that is more effective to help main office in distributing the package of ticket to it branch. Admin from the office can register to this system in order to fully utilize the system. Admin can manage product, manage package, manage the distribution and issue the package of ticket to the branch. Besides that, admin also can view the package information base on each branch. This system will bring benefit to the staff of each branch to sell and return the ticket to the main office easily. If package of ticket is out of stock, staff enables to request the ticket by using the system. Even all the above processes are done using system interface, Ticket Package Distribution System has other back-end implementation process. Trigger and stored procedure has been implemented directly into the database as a built-in add-on to optimize the system performances. Hence, Ticket Package Distribution System will also be developed using PHP programming language to create the dynamic webpage in which it is helped by the Apache Tomcat 7.0.52 so that the web server can serve Ticket Package Distribution System's interface on Google Chrome web browser with the data from Oracle 11g database. Some notable advantages of this platform to the online distribution service provider include reduction of cost of paper work, additional new advertisement channels and improved staff-merchants interaction plus efficiency increment in system.

## ABSTRAK

Sistem Pengedaran Pakej Tiket merupakan satu sistem pangkalan data berasaskan web. Sistem ini akan menjadi platform dalam talian yang jual lebih berkesan terutamanya dalam membantu pejabat utama dalam pengedaran tiket pakej kepada cawangannya. Selepas admin dari pejabat utama mendaftar dengan menggunakan sistem ini, dia boleh mengurus produk, menguruskan pakej, mengurus pengedaran dan mengeluarkan pakej tiket untuk cawangan. Di samping itu, admin juga boleh melihat pangkalan maklumat pakej di setiap cawangan. Sistem ini akan membawa manfaat kepada kakitangan setiap cawangan untuk menjual dan kembali tiket ke pejabat utama dengan mudah. Jika stok dalam keadaan kehabisan pakej tiket, kakitangan boleh meminta tiket dengan menggunakan sistem ini. Walaupun semua proses di atas telah dilakukan dengan menggunakan antara muka sistem, Sistem Pengagihan Pakej Tiket masih mempunyai proses pelaksanaan belakang yang lain. Pencetus yang telah dilaksanakan secara langsung ke pangkalan data dan prosedur yang disimpan akan menjadi satu tambahan bagi pengoptimuman sistem. Oleh itu, Sistem Pengagihan Pakej Tiket akan dimajukan dengan menggunakan bahasa pengaturcaraan PHP untuk menghasilkan laman web bersifat dinamik yang dibantu oleh Apache Tomcat 7.0.52 supaya pelayan web boleh berkhidmat dengan antara muka sistem pelayar web Google Chrome dengan data dari pangkalan data Oracle 11g. Platform yang berasaskan pembekal perkhidmatan kecergasan ini boleh memberi kelebihan yang terkemuka iaitu pengurangan kos kertas, penambahan saluran iklan yang baru, penambahbaikan interaksi di antara pelanggan dengan pedagang dan meningkatkan kecekapan sistem.



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**LIST OF ABBREVIATIONS**

<b>DBA</b>	-	<b>Database Administrator</b>
<b>DCL</b>	-	<b>Data Control Language</b>
<b>DDL</b>	-	<b>Data Dictionary Language</b>
<b>ERD</b>	-	<b>Entity Relationship Diagram</b>
<b>LAN</b>	-	<b>Local Area Network</b>
<b>PSM</b>	-	<b>Project Sarjana Muda</b>
<b>RAM</b>	-	<b>Random Access Memory</b>
<b>SA</b>	-	<b>System Administrator</b>
<b>SCM</b>	-	<b>Software Configuration Management</b>
<b>SDLC</b>	-	<b>Software Development Life Cycle</b>
<b>SSADM</b>	-	<b>Structures System Analysis and Design method</b>
<b>SQL</b>	-	<b>Structure Query Language</b>

## **CHAPTER I**

### **Introduction**

#### **1.1 Project Background**

Ticket Package Distribution System is a system to be developed to propose to the companies which distribute the ticket of each package to all of their branches. This system is organized between the main office and its branches.

Nowadays, the staff of the branch use manually system by writing all the sale of the ticket information on a paper and are kept in a file or book. So that, the administrator difficult to monitor the sales of ticket among each branch. Besides that, without a specific database, the information is loss easily due to too much paperwork. Sometime, main office also make mistake when distribute the ticket of each package to each branch since there are a lot difference ticket and branches in Malaysia.

By using Ticket Package Distribution System, the administrator of the main office enables to keep track of the ticket's status of each branch. Moreover, this system also enables the administrator to monitor the sale of ticket from all the branches with the detail provided. The real time information can get by administrator through the system easily.

In conclusion, hopefully this system can help the company to manage the data systematically. It enables the main office easy to monitor and control the distribution of each package of ticket to all the branches.

## 1.2 Problem Statement

- i. Difficult to distribute the ticket of each package to all the branches.  
Sometime, main office also make mistake when distribute the ticket of each package to the branches since there are a lot difference ticket and branches in Malaysia.
- ii. Quite difficult to monitor the sales of package's ticket among the branches.  
The record of sale of ticket details are manually recorded and are kept in a file or a book. This kind of practice will promotes to data redundancy where there will be repetition of sales details.
- iii. Difficult to get the real time information of the database system from all the branches.  
There is no any specific database to store all the information. All data is manually writes in the paper so the information loss easily due to too many paper works.

### 1.3 Objective

- To enable the main office to distribute the ticket of each package to respective branch easily.

The main office will distribute the tickets to each branch easily by using internet. This enables each branch to notice new promotion ticket's package and can decide to request package of ticket depend on market demand.

- To enable the administrator to monitor the sale of ticket from all the branches.

By making all the operation computerized and online, the system allow the administrator to control the number of ticket of each package which distributed to each branch depend on the market demand.

- Easier the administrator to keep track of the real time information among the branches.

The proposed system enables the administrator to view the sales and return of ticket that distributed to all the branches. With the detail provided, they fast to track of the status of the ticket within difference area.

### 1.4 Scope

This system is only catering between main offices and the branches. It is built to provide an online distribute service from main office to the branches that sell the ticket of the package.

## User Scope

### Administrator

- They are able to add new products, new packages and new tickets
- They are able to cancel and update the detail of the products, packages and tickets if the detail is outdated.
- They are able to search and view the products, packages and tickets detail.
- They are able to keep track of sales of the package's ticket among the branches

### Staff

- They are able to request the ticket of package that the main office provided depends on the market demand.
- They are able to return the ticket of package to the main office when the promotion is over.
- They are able to search and view the promotion of ticket of each package.

## 1.5 Project Significant

Ticket Package Distribution System is proposed to the main office to distribute the tickets of the package to each branch. This enables the tourists to purchase the ticket from their place instead of purchase the ticket when they reach the theme park.

Besides that, this system enables the staff to request more or return ticket depend on market demand. This can help the administrator to check the sales information by retrieving the information. With the detail provided, they are able to decide the number of ticket that distribute to the branches.

## 1.6 Expected Output

The expected output of the project is the result from the objectives that had been stated earlier in this chapter. A web based system will be developed specially to the administrator to distribute the package of ticket. Below are the expected outputs of Ticket Package Distribution System:

- Ticket of promotion package which added and distributed by the administrator through the system.
- Sales monitoring screen for the administrator to keep track the ticket of package sold and return of each branch.
- Searching and view screen enable staff of each branches to notice the new promotion and the number of ticket which main office distributed to them.

The material that used to monitor for the project is:

- Flow Chart  
The flow chart has to show the system flow and the function clearly.
- Gantt Chart  
The progress of the system is following the Gantt chart so that it can complete on the stated.

## 1.7 Conclusion

As a conclusion, Ticket Package Distribution System provides an easier and convenience way for main office which distributes ticket of each package to all the branches. Administrator can monitor the information about the ticket sales of each branch. So that, they are able to decide the number of ticket that distribute to the branches according to the detail provided. In the other hand, authorized staffs can also request and returns the tickets of each package depend on market demand.