



Online Ticket Booking Information System On CV Taxi Simpati Padang Sidempuan Web Based

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ABSTRACT

CV. Taxi Simpati is a CV that provides transportation services in the city of Padangsidempuan. The process of processing ticket booking data on CV. Taxi Simpati is still done manually by using handwriting. With the Online Ticket Booking Information System and computerized data processing, of course the ticket ordering process and ordering data processing will be more effective, and minimize errors in writing ticket sales reports that have been done manually. For the ticket ordering information system, it includes an input design that contains the ticket sales process. Customers login to order tickets for the desired major, system transaction automatically provide proof of ticket replacement sheets at departure.

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1. Introduction

In this era of globalization, the internet [1] has grown rapidly and penetrated into various sectors [2]. The internet has a very big influence on developments in the business world, both public and private companies. The use of the internet also affects the use of time which is very valuable for everyday life. In the development of globalization, there are many demands for time efficiency, because more and more time is needed every day. One of the activities that streamline time is the problem of booking tickets.

CV. Taxi Simpati is a cv that provides transportation services in the city of Padangsidempuan. The process of ticket booking data on CV. Simpati Taxi is still done manually by using handwriting. This result in errors in the processing and input data.

Information system is a system within an organization that meets the needs of daily transaction management, suport operations, managerial in nature and provide certain outside parties with the required reports [3]. In connection with the data processing of travel ticket bookings on the CV. Taxi Simpati still uses handwriting, the online ticket ordering information system can facilitate processing and inputting data appropriately which aims to provide information as desired in the hope that in can be useful for overcoming the problem.

For the ticket ordering information system, it includes an input design that contains the ticket sales process. Customers login to order tickets for the desired major, system transactions automatically provide proof of ticket replacement sheets upon departure. With this information system is expected to solve the problems faced by CV. Taxi Simpati is especially in the ticket booking process, taxi schedule and departure information [2].

2. Literature Review

2.1. Defenition of Information System

Information system can be interpreted as a combination of human, technological facilities or tools, media, procedures and controls for certain activities that produce information that can be utilized by the user



[4]. Information systems are often also referred to as processing systems, which are systems within organizations that meet the needs of daily transaction processing, contains operation, managerial and strategic activities in an organization [5].

2.2. Defenition of Database

Database is an automatic process of searching data in a very large memory of data to find out patterns using tools. A database is a collection of information stored in a computer systematically so that it can be checked using a computer program to obtain information from the database [6].

2.3. Defenition of PHP

PHP stands for PHP Hypertext Preprocessor which is a script-shaped language that is placed on the server and processed on the server [7]. PHP stands for PHP Hypertext Processor. PHP allows developers to embed code in HTML using the same language, like Perl and UNIX shells. Source obejcts are structured as HTML pages, but with programmatic dynamic content generation [8].

3. Method

Information system flow procedures before designing a new system, first see the system that is running. SDLC (*Software Development Life Cycle*) is a structured framework that is arranged in sequence in an effort to develop information systems (software) [2]. The stages in the SDLC are as follows :

a. *Context Diagram* Context diagram on online ticket booking information system on CV. Taxi Simpati Padangsidimpuan, customers directly order tickets in the system, and all ticket booking lists will be processed by admin. The treasures will make a ticket sales report which will be approved by the leadership and this can be seen in figure 1.

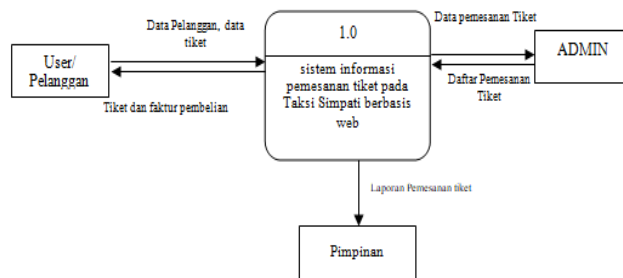


Figure 1. Context Diagram

b. *Data Flow Diagram (DFD)* Data Flow Diagram (DFD) is a system design tool that is oriented to the flow of data with the concept of decomposition can be used for drawing analysis and design [9]. The flow chart of the data flow diagram on the ticket ordering information system at CV. Taxi Simpati can be seen in figure 2.

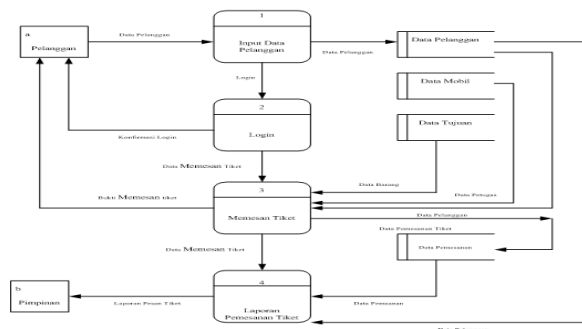


Figure 2. DFD (Data Flow Diagram)

c. *Entity Relationship Diagram (ERD) Entity Relationship Diagram (ERD)* is used to build a database for the relationship of two or more entities [10]. The following is an overview of the online ticket booking transaction process shown in figure 3 :

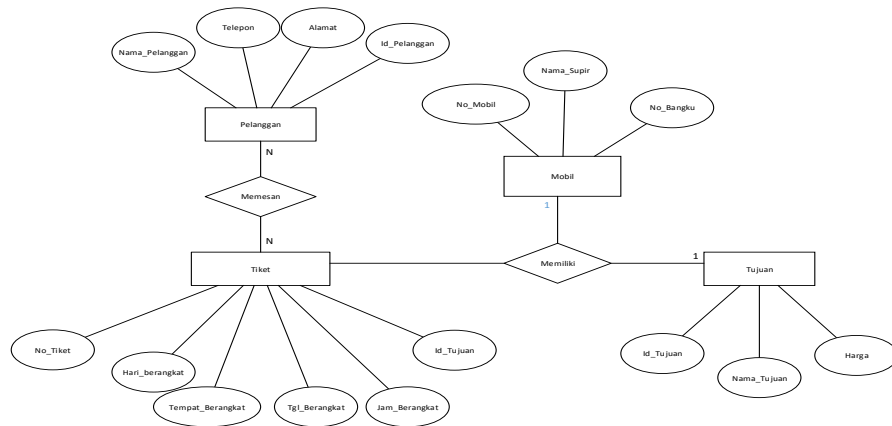


Figure 3. ERD (Entity Relational Diagram)

4. Analyze and Result

There are several pages on the online ticket booking information system on CV. Taxi Simpati Padangsidempuan which has a function to display information to the customer in ordering tickets.

a. Main Page The main page is the initial screen that contains information about the sub menu options, as shown in Figure 4 below :

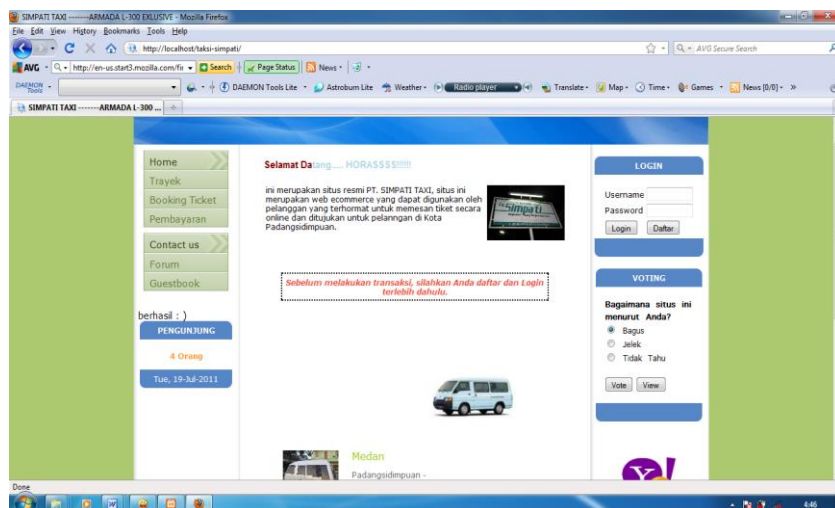


Figure 4. Main Page View

b. Route Page, The route page describes the route or destination traversed by Taxi Simpati, as shown in figure 5 :



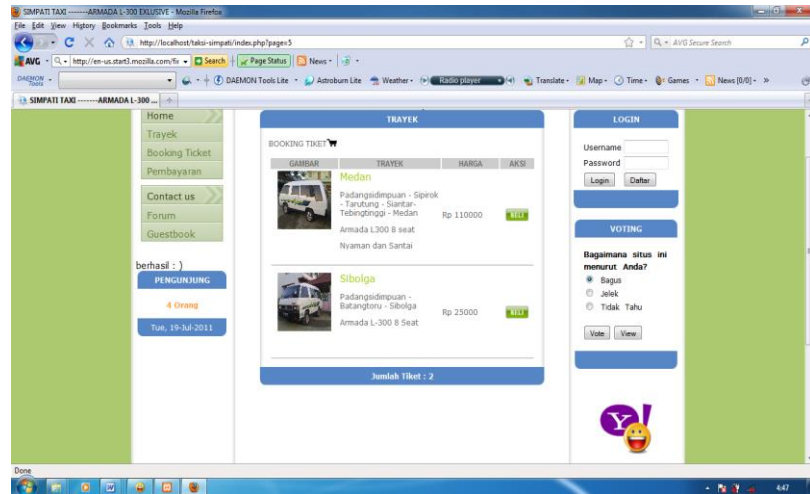


Figure 5. Route Page View

- c. Ticket Booking Page, The ticket booking page describes the ticket purchase list. The display in this sub menu can be seen in Figure 6 below :

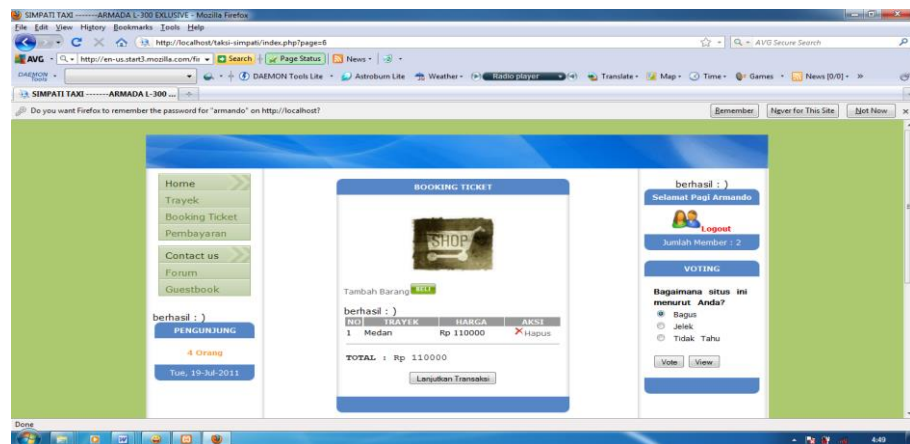


Figure 6. Ticket Booking Page

5. Conclusion

Based on the system analysis conducted at the time of research, it can be concluded that with the online ticket booking information system on CV. Taxi Simpati Padangsidimpuan can provide information quickly to customers, reducing errors in processing and inputting data and increasing time efficiency in the ticket booking process.

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