FUTSAL COURT SMS BOOKING SYSTEM

By

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ABSTRACT

Futsal Court SMS Booking System is a stand alone system development project. The primary purpose is to develop a system that can ease the futsal sport fans to book a futsal court. this system application will cover the membership registration that qualify to use the services that has been provide. As members, they can check the futsal court availability before can book it via Short Message Service (SMS). To develop this system, Object Oriented approach and RAD model had been chosen as a methodology. Hopefully this system can be really helpfully and handy to the people who love to play futsal with facility that has been developed.
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1.0 INTRODUCTION

1.1 Project Background

Currently, there are many systems developed in order to meet user requirements. In this modern lifestyle, user needs a system that can give an easy-to-user. As we know, technologies growth makes user wish for a system that can assist them in their daily life. With this growing demand, it is recommended to develop a system that can achieve user's target and expectation.

One of the most popular standards for mobile phone is GSM also known as Global System for mobile communication. A GSM modem is a standard GSM mobile phone with the appropriate cable and software driver to connect to a serial port on computer. In order to communicate through the mobile phone, there must be a system develop that integrate with the GSM modem.

The system that will be developed is Futsal Court SMS Booking System using GSM. The target users of this project are the people who love to play futsal and the owner of the Futsal Club. The people that want to play futsal can book the court by using their mobile phone by sending a message. Then, the owner will book the futsal court for people that request if the court is available. The people also can check the court availability using their mobile phone before their can book the futsal court.

1.2 Problem Statements

Nowadays, every people are busy doing their daily things such as work, study and travel. Sometimes they do not have enough time to go to the Futsal Club such as Kompleks Sukan Bandar Kemaman to book a futsal court during their busy hour. Due to the situation, it is recommended to develop a system that can help these people can make it to book a futsal court within a minute.

Basically, the people or person must come to the Futsal Club to book a futsal court. They must ask the owner or the employee there to check whether the futsal court is available or not. If the futsal court is available, then they can book it. If it is no, they only waste their time to go to the Futsal Club.
The owner also keeps or records their booking data in a logbook. The chance and probability the data might lose are high. Another problem that occur are when the team want to booking the futsal court, there are always happens the clashing between another teams. This scenario happens because the manual system does not have a proper management to handle it.

Based on the problems that occur, this project will give beneficial to the owner of Futsal Club or the people in order to make a management more efficient and follow up with the technology using nowadays. This system also will make the organization became so easy and faster.

1.3 Objective

The main aim of this project was to design, develop which would assist the people who love to play futsal and the Futsal Club owner. The overall objectives of the project are:

i. To develop a prototype of Futsal Booking System using Visual Basic 6.0 that will integrate with the GSM modem.

ii. To checking availability and book a futsal court by sending a message using SMS.

iii. To produce a report based on futsal courts that have been booked.

1.4 Statement OF Hypotesis

This FUTSAL COURT BOOKING SMS SYSTEM is hope to be friendly user and a low maintenance for owner of the futsal court.
1.5 Scope Of Project

The scopes of the project that have been identified are:

i. Target user
   - The system is used by the futsal club members and the futsal club employees.

ii. Modules
   - The system can manage memberships information such as administrator which is the owner can add, edit, and view and delete membership’s information.
   - The project will cover on checking or booking the futsal court via SMS.
   - The system can produce a report based on the futsal courts that have been booked.
   - The system can provide notification message via SMS to futsal club members that their requested court has successfully booked.
1.6 Significance Of Studies

The significance of this project is it allows the futsal club members to checking the availability of futsal court and books it by requesting via SMS. All application data will be stored in one proper database and is more appropriate approach compared to the traditional way where all the data is written on the paper.

Besides, this system can act as a medium between a futsal club members and their owner of Futsal Club in give a SMS via mobile phones.

1.7 Limitation

The limitation of this project is it can only book and replay sms that is send to it by member only. Because this system is build for membership holder only.
5.0 CONCLUSION AND RECOMMENDATION

5.1 Observation on Weaknesses and Strengths

When developing a system, a number of strengths and weaknesses of the system will be definitely appear. For the weakness, improvement can be made to ensure the application runs in prefect order and fit for the market. However, the good knowledge and understanding about the flow of the system will help developer to develop the system. The following are discussed as below.

5.1.1 Strengths

5.1.1.1 Save Time

Basically, this system has made the futsal club employer and futsal club member tasks become easier than before. The system will help the futsal club member to check the futsal court availability by sending a SMS compared to the manual system where they must go to the futsal club to book the futsal court.

5.1.1.2 System Security

Both administrator and futsal employee are required to login to use the system in order to prevent unauthorized users from accessing the system.

5.1.1.3 Simple and User-friendly Interface

The system is a user-friendly system. This can make a user comfortable in using the system. The developer has made the process and function of the system is smooth and effective. The functionality of this system makes it easy to be used by the futsal club employees.
5.1.2 Weaknesses

5.1.2.1 Prototype

This system is still a prototype, but it has been proved that it can send notification via SMS for those futsal club members that request to check or book a futsal court using GSM modem.

5.1.2.2 Delay

This application depends on the Telco service. If the service is in trouble, then user may not be able to send or receive the SMS.
5.2 Conclusion

In a conclusion, after developing this system, it succeeds in achieving its objectives. The objectives of this project are to develop a prototype of Final Year Project Futsal Court SMS Booking System using Visual Basic 6.0 that will integrate with the GSM modem, to manage the booking process of futsal club and to give SMS notification to futsal club members regarding their request of futsal court status either it is available or not. This project is being built using RAD methodology. It has completed stages of planning, analysis, design, implementation and testing.

The output of this system is the members of futsal club will get SMS notification through mobile phones using GSM modem. This system can also store membership’s information. Other than that, the system can produce a report based on daily slots that have been booked so it can help the futsal club owner to manage their business.

Hopefully this mobile application can meet the business market and user expectation and can give a better system solution to develop and enhance the Futsal Court SMS Booking System in the future thus to provide and help user in booking process so that user can manage their time smartly and fun at the same time.

5.3 Recommendation

5.3.1 Purchase the SMS Service Provider

University should provide the SMS service provider because it is very important for student and lecturers to quickly get the latest information of all the application service and activities at the university. It can be used to upgrade this system in the future to make an easier appointment by SMS.