EXPLORE BUSINESS OPPORTUNITIES IN THE SPORT INDUSTRY IN BEKASI: WEB-BASED FUTSAL FIELD RENT INFORMATION SYSTEM

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A R T I C L E I N F O

A B S T R A C T

The nation's economic development and the sports sector both depend on the sports industry. Offers field rental for sports, especially futsal. Companies that rent out futsal courts are called "futsal field rentals". The expansion of futsal rental in a number of places, including Bekasi, shows the growing importance of rental in the company's economic potential. This software will be ordered by the information system in an effort to help with the futsal field rental problem. To be useful, futsal field rentals currently utilize software-based technology (website). With the hope of reaching all the people who still rent by hand. This study aims to determine the potential value of business in the sports sector in projecting online futsal field rentals based on the results of information systems via the website. This study uses qualitative methods with journals for literature review.

INTRODUCTION

The nation's economic growth is highly dependent on the sports industry. Sports has developed into a major sector as a provider of forex trading in many developed countries and industries, including in America, UK, Germany, France, Italy, Korea and China. In addition, Indonesia plans to develop sport as a contemporary sector on a world scale. Community involvement in planning major sporting events with the assistance of the local sports industry is still needed for the development of the sports industry.

Science and technology have developed very quickly (Syakur, 2014). Computers and information technology are very important for human existence (Jihadi & Maimunah, 2017). Computer or mobile device users tend to have very routine daily needs or tasks. Fast, effective, and reliable information may already be available (Svastika & Khasanah, 2017). The internet can be used as a business tool at work as well as a place to find all kinds of information (Muharok & Simpsony, 2014). However, some people still do not make the most of information technology (Fadallah & Rosyida, 2018). More and more people are becoming futsal lovers along with the development of futsal in Bekasi, as a result many competitors are making indoor courts to support futsal players.

Companies that rent out futsal courts are called Futsal Field Rentals. It can be seen from the rise of futsal rentals in various regions, the development of futsal rentals is currently growing rapidly. The letterhead is still used when filling in the tenant's statement when ordering the futsal field. The large amount of paper used by payslips today allows information to be lost, complicates payment notifications due to a lack of information, and makes it difficult for supervisors to retain information due to the volume of paper used. Collected, so accuracy is required to prevent typos.

Customers still need to rent from various rental outlets and agree to suitable rental plans as part of normal business processes. Every day, the clerk records customers and rents in the order book. It can also cause registration errors, which is why we need a system that is simple enough for ordinary people to use to fix problems with the current system. Making this web-based information system aims to facilitate the management of field rental issues and match scheduling at futsal stations as well as to make it easier for field officers to collect information for reporting.

So, to predict information systems, we conducted this research to determine how the web/application can affect futsal field rentals. The information mentioned above can be used to formulate the following problem:

1. How can the information system relate to websites related to futsal field rentals?
2. How to design an information system that is used to produce a website for renting a futsal field?
3. How big is the influence of the futsal field rental process with the process of having a web-based information system?

THEORETICAL REVIEW

Sport Industry

The sports industry is a market with economic components that offer goods, services, locations and consumer concepts related to recreation, sports and fitness. The sports industry is defined as "every product, good, service, place, and person that has an idea to offer the public in terms of sport," (Pitts Fielding and Miller, 1994). According to Nurjad (2010:10), "The sports industry is a specific application of the principles and processes of marketing sports products and marketing sports products for non-profit contact with sports. The sports industry is an industrial value creation, manufacturing and supply of sports-related equipment and services."

Futsal as a Field Rental Business

Similar to soccer, but with a smaller field and a different objective, is the sport of futsal. play with five players on each team in a sizable room. (Dendy Sugono, 2008). In futsal, two teams consisting of five players each compete to score goals by controlling the ball with their feet. Contrary to soccer games which are played in other rooms, each team can field a reserve team, and the futsal field is determined by lines, not nets or boards.

Futsal has the power to inspire everyone, from children to adults, to take up the sport as a new sport or interest. Many investors make the decision to enter the futsal court business after reading the prospects carefully in hopes of gaining significant returns from starting this new venture. The futsal field business was started by an investor with brave capital because of the great public interest in futsal. The costs of starting a field business usually result in a significant investment, which drives up rent. In addition to field rental income, there is income from the futsal field business (Panji Muhammad Taufik, 2012).

Rental

To temporarily meet your infrastructure and facilities needs, you can rent other people's property in exchange for a fixed monthly payment. According to (Darmawan 2009), rent is an agreement where one party promises to transfer something to another party in return for payment of a certain amount of money and an agreement to make payments.

Information Systems

An information system consists of internal parts of an organization that work together to carry out a specific purpose, such as conveying information. To assist decision making and control within an organization, an information system is a group of interconnected components that collect, process, store, and distribute data (Sugara, 2011). The database functions as one part of this information system.

(Poerwanta, 2013) claims that the database is an important component of an information system because it serves as the basis for providing information and is used to assess the quality of information (correct, timely, and relevant). Information is considered valuable if the benefits outweigh the costs and if the database can minimize wastage of space beyond cost savings.

Several components that are important for the operation of the information system are required to support the smooth operation. The following list is a detailed breakdown of information system components:

1. Inputs

   The term "input" refers to all data entered into the system. Files, forms, and documents all fall into this input. Before processing, data is collected and confirmed into a form, which includes:

   a. Recording
   b. Storage
   c. Testing
   d. Coding

2. Process

   Process is a group of steps that will manipulate input into output that will be used by users after being processed and stored in the database section.

3. Outputs

   Output is all the output or results of the model. It has been converted into user-usable information. The ultimate goal of making an information system is this component, which will deal directly with system user data.

4. Technology

   Technology in this context refers to the components that enable input input, input processing, and output production. Hardware, software and human devices are the three components of this technology. Examples of hardware include keyboards, mice and other devices. Software for devices, such as data processing programs. human instrument. Systems analysts, programmers, technicians, and so on are some examples.

5. Database

   The term "database" refers to a group of related information stored in hardware and handled by software.

6. Control

   In this context, control refers to all the steps taken to keep information systems up-to-date and free from outside interference. The system as a whole has high validity and integrity, therefore this component is very important. Control components are required for file backup, reindex, and validation of the accuracy of the contents of each entry.

Website

The website consists of pages linked to each other using web technologies. Another idea argues that a website is a grouping of Internet web pages with related subject matter for the presentation of information (Ginanjar, 2014). The Web and the Internet are two different ideas. Internet is more of hardware, whereas networking is software. The Internet and the Web use different protocols; The Internet uses TCP/IP and the Web uses HTTP (Hyper Text Transfer Protocol) (Suharto, 2012).
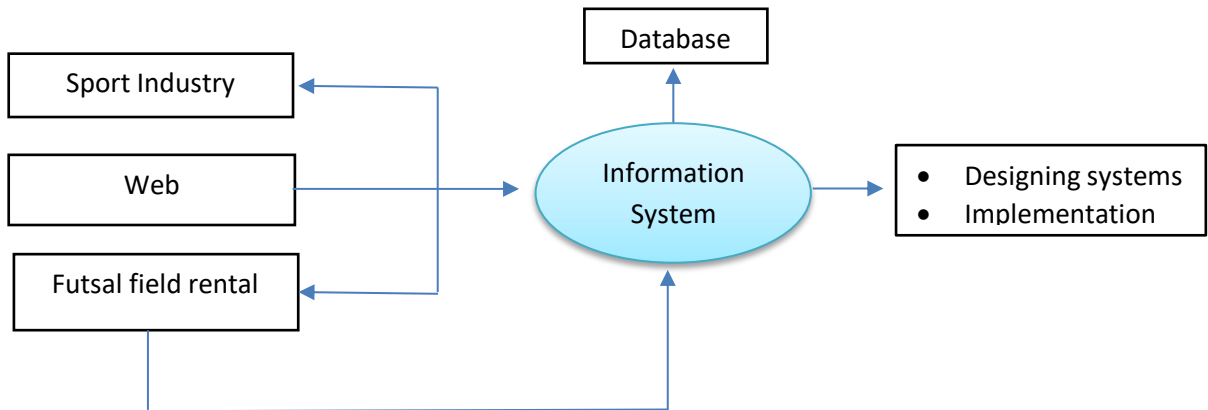
Figure 1. Conceptual Framework

METHODOLOGY

This scientific journal has been prepared using qualitative writing techniques and reference materials from books and periodicals that can be accessed online, including Google Scholar, Google Books, iPusnas, and other online media. Reference materials study the theoretical linkages and relationships or effects between one variable and another. The use of a literature review in qualitative research must be consistent with the methodological premise. This implies that it must be applied deductively to avoid leading the researcher to ask specific questions. The exploratory aspect of qualitative research is one of its justifications. (Ali and Limakrisna, 2013)

RESULTS

Table 1. Previous Research

No	Author, year	Results of research	Similar studies to this one	The difference with this research
1	Sianope Panggabean (2020)	The system's outcome is To keep track of futsal field rentals, develop and implement a web-based system. to make renting futsal courts simple for managers and customers.	Create and implement a web-based system for field rental purposes and match scheduling at futsal stations.	Understanding the potential worth of the sports industry's business in estimating online futsal field rents based on information systems' output via the website.
2	Khilda Nistrina (2021)	Creating a system for information	Designing an information system	Various groups are anticipated to use

		It is intended that this welcoming of new students would be put to use and turned into a tool that schools may employ.	into an application/website.	the design of an information system on renting futsal fields.
3	Muhammad Fatih Fahmi Fadhlurrahman (2020)	An application that makes it easier for field owners to handle information about field rentals and financial reports while also offering rental features to potential clients.	Field rental data processing.	Designing a system and processing rental field data to project a futsal field rental website.
4	Putu Sidiarta (2018)	This futsal court rental marketplace tool aids potential futsal court tenants in choosing a rental by providing thorough information on each active futsal court supplier.	Offer information and help to every futsal field tenant.	Offering information in the form of designing an information system related to rental tools (websites) to help futsal field tenants.
5	Rudi Khairizal (2021)	The availability of a futsal field reservation system is anticipated to facilitate data processing, scheduling and registration of members or customers.	The availability of the system, the futsal field will make it easier to lease the processed data.	The availability of an information system makes it easier for tenants to rent a field in the form of a website.
6	Andreas Andoyo, M.T.I., Ahmad Sujarwadi (2014)	The Tresnomaju community has put in place a web-based information system to make it simpler for the general population to get the information they require at any time using only a computer linked to the internet.	To make it easier for tenants to rent using the internet related to the application of a web-based information system.	Make it easier for tenants to rent a futsal field in the process of a web-based information system.

7	Heri Purwanto (2021)	This futsal web data system was created using Visual Studio Code, PHP, and a MySQL database. With waterfall manufacturing, this app is created.	Utilizing MySQL database and system outcomes for futsal web data.	UML software system with the help of MySQL database for the development of futsal web data systems.
8	Ahmad Sujawardi (2015)	A website application is needed to improve the quality of data and information offerings. In this regard, it is planned that Tresnomaju Village will implement a Web-based information system so that it can be disseminated to the wider community.	Implementing a web-based information system so that it can be accepted or disseminated to the community.	A process of the results of an information system related to the futsal field rental website in connection with planning to disseminate it to the community.
9	Dian Martha (2016)	Software for prototyping and techniques for structured modeling. Moriz Futsal can manage transaction and event data more easily when online transactions and events are completed.	Software to manage data to make it easier.	Software management of a structured information system to facilitate web-based field rental.
10	Adrian Marshall Lay (2013)	This application for renting Manado city facilities online has been completed and is expected to make it easier for the community, especially in Manado City, to access facility information and make facility reservations in the form of buildings,	Renting a futsal field makes it easier for people, especially in Bekasi, to access information.	Rental in a web-based futsal field that makes it easier for people, especially in Bekasi, to access information in the form of field rentals.

		studios, rooms, and other things.		

DISCUSSION

Relationship of Information Systems to Websites for Futsal Field Rentals

Technology or (website) and management information systems are closely related because both are related to information (processing), and technology is a component of information systems. Because an information system may consist of different information technologies, if one of the technologies fails, the information system will be affected or an outage will occur. According to (Jogiyanto, 2005), an information system is a system that exists within an organization. It fulfills the requirements of day-to-day transaction processing, supports operations, is managerial in nature, engages in the strategic activities of the organization, and provides certain external parties with the reports they need.

Currently, the development of information technology makes it easier for people to get the information they need and build a management information system to get that information for decision making, for example in designing a website-based system. Because of this information technology, one of the obstacles for information users is filtering the volume of information shared. This information must be communicated effectively to users so that efficiency and effectiveness values can be realized.

Web-Based Information System Design used in Futsal Field Rental

New developments can be developed to demonstrate how to store customer information, expand technology business options, and apply this UML to websites in field rentals with today's advanced website technologies and PCs as a link between devices. The web-based UML concept is based on technical advances and user demand for fast access to useful services. (Ahmad Azizul Hakim, 2019)

UML (Unified Model Language)

Product design analysis and modeling are necessary to ensure quality and a successful software development process (Somerville, 2011; Suryan, 2014; Maylawati et al., 2018). To construct this expert system, model analysis and UML pattern design were employed. According to numerous research, UML is a well-liked modeling language with adequate documentation for system and performance visualization. UML modeling can even be used to create ready-to-implement programming (Cao et al., 2005; Fitsilis et al., 2014; Kundu et al., 2013).

MySQL

The SQL language is frequently used to process databases using MySQL open source database software (Subagia, 2018). As a database application, MySQL. MySQL stores data in linked tables because it is a relational data type. One benefit of keeping data in a database is that it is simple to show and store data due to its tabular format. (Winarno, 2014)

System Planning

1. Diagram Usecase

Use cases are descriptions of scenarios in which users and systems interact. Use case diagrams show the connections between actors and system actions. Before

launching the app, draw a use case diagram. The actors portrayed in this image and their methods of action (Mubarok & Simpsony, 2016).
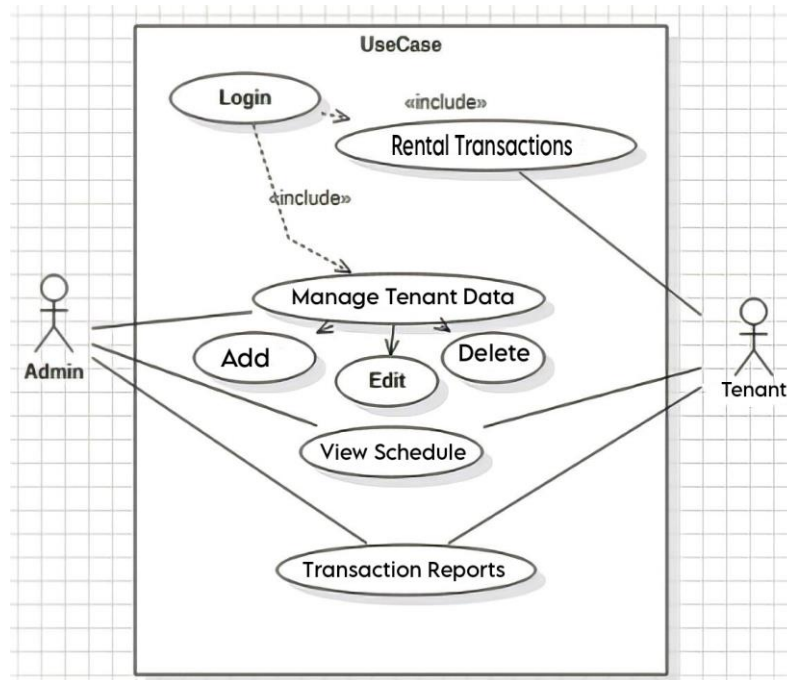

Figure 1. Diagram Usecase

2. Diagrams of Classes

The system design model includes the relationships between classes as well as a detailed explanation of each class. It also shows the laws and responsibilities of the entities that govern system behavior (Ameldi & Ahsyar, 2018). Activities or procedures are class-owned activities, whereas attributes are class-owned variables or data (Rizki et al., 2017).
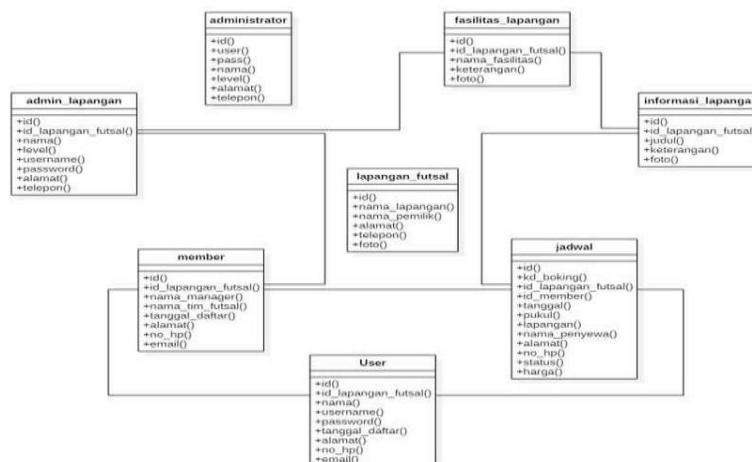
Figure 2. Diagram Classes

3. Activity Diagram

(John Satzinger in Evi Triandini's book, 2012: 37) A workflow diagram that describes many user (or system) tasks, the person who performs each action, and the sequential flow of the activity.
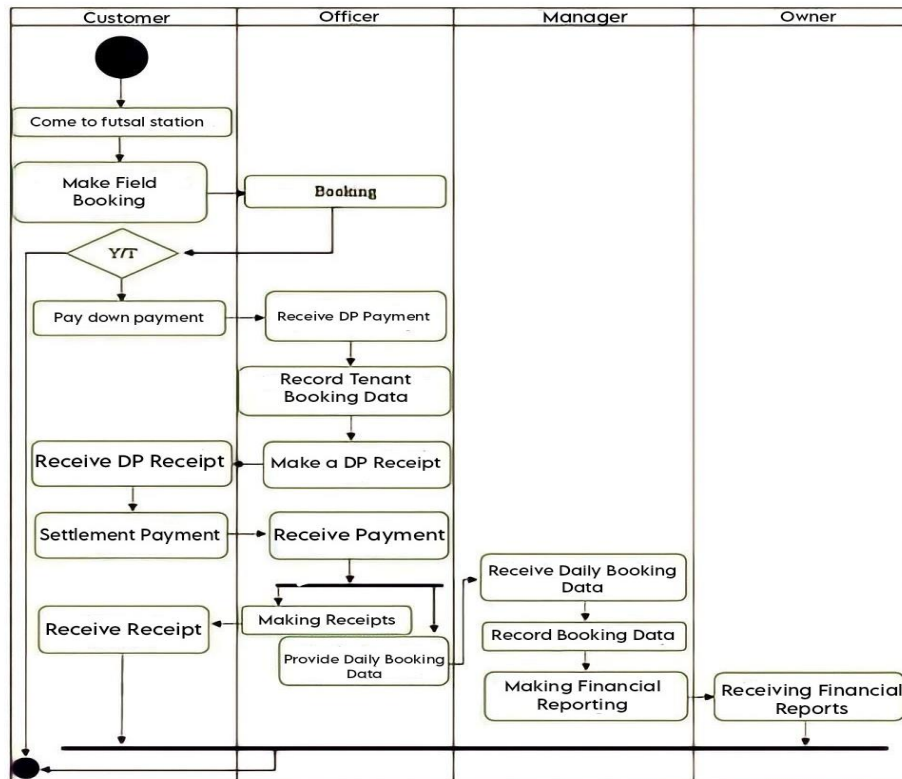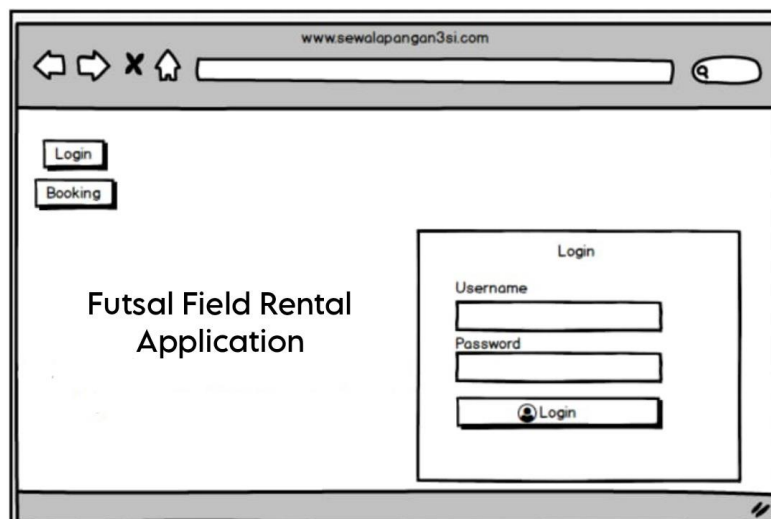

Figure 3. Activity Diagram
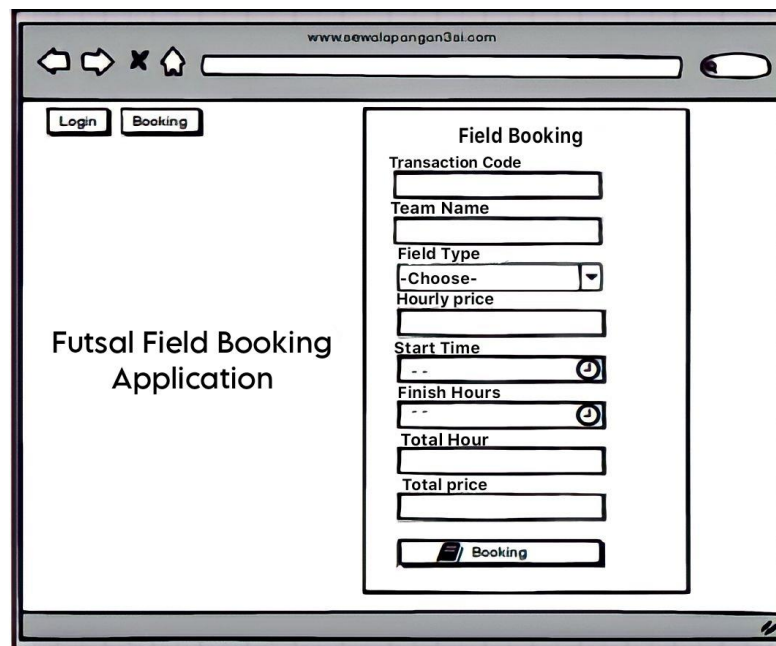
4. Interface Design

Figure 4. Interface Design

Figure 5. Booking Menu Interface Design

Design & Implementation

Now that the issue has been investigated, we can all agree on the system's objective and recognize the issue as it arises.

1. Needs Analysis

At this step in the investigation, various sources were investigated to learn more about developing system requirements. Comparing similar information systems or reading about similar systems in the literature can be used to analyze system needs.

2. System Development

In the system design stage of the UML modeling language, case diagrams, action diagrams, user interface plans, figma, and ERD Design, which involves the design of table relations and database table architectures, are utilized.

3. Evaluation of the Program

System development at this testing stage focuses on functionality and guarantees that all components have been assessed to verify that the information system is produced according to user preferences. The waterfall model is used in this study's experimental methodology.

4. System Upkeep

If an error arises as a result of problems discovered during testing, the information system is rectified at this point.

The Impact of the Web-Based Field Rental Information System Process

Effective data and information management is critical for meeting the expectations of organizations and institutions, particularly those related to business (Rahma, 2015: 663). One of the examples is the futsal field renting arrangement. Service components in futsal field rental services influence information efficiency. It can optimize revenue in futsal rental services by employing designed information system services with

the UML system. Along with the increased public interest in sports, particularly futsal, we require a framework that makes doing business easier.

A site or application is created from design to implementation. This, when used via the web, simplifies the process for users or customers that rent a futsal field. The influence provided by an information system is in definition a web software that can gather, store, and transform data into usable and relevant information. (Heri Purwanto, 2021) Many individuals use it to seek for information, while some use it to rent and book items. One example of the use of internet technol ogy as a time management help is the influence of the information system for scheduling and renting futsal fields, which is available 24/7 online.

CONCLUSIONS AND RECOMMENDATIONS

CONCLUSIONS

This information system software is intended to aid in the process of resolving futsal field rental issues. Furthermore, by better utilizing today's technology, it will go far into many sectors of life where futsal fields are still manually rented. The possibility to run a business is successful by launching this system since tenants are drawn to this web-based rental program. Typically, this program describes by displaying the issues that have been raised thus far. This prepared study concludes that there is still a gap in the research findings for implementation.

RECOMMENDATIONS

Following the completion of the essential research to develop this software, the following researchers will receive some recommendations:
1. The program must be changed so that it can be utilized by a variety of groups as well as the general public.
2. Because rental software is designed to change with the environment, this web-based field rental program should continue to evolve.

This program is expected to be upgraded to accommodate the workflow of numerous futsal field business prospects.

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