

AUTOMATED SPORTS CLUB USING JAVA

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ABSTRACT

The Ellesmere Sports and Leisure Club (“the automated sports club”) provides cricket, tennis, squash, bowls, and croquet facilities to its members. There is room for improvement in the current procedures for booking sports facilities. Presently, sports users make bookings in person and sports Centre staff record them by hand. Staff currently spends a considerable amount of time administrating the booking of sports Centre facilities. There is currently no way for users to check what bookings they have outstanding without contacting sports Centre staff. This can lead to more unnecessary use of staff time or users missing bookings. By automating above system, administrator organizes, schedules task and maintains the system, users (members) can access and can book sports club tasks through internet, different club promoters can see various tasks and organize them efficiently by using this developing online application. It is felt that there would be benefits to both sports users and staff from automating this process. For this reason, the focus of this project will be on the development a generic solution that is suitable for a variety of sports centers.

Keywords: Automated Sports, Java, Java Script, Web technologies.

INTRODUCTION

A club management system project that provides and manages various club activities such as member registration, registration for various regular and vacation batches and more. The sports club management system software is a .net built system that manages the entire club activities and provides respective functionality for various types of visitors. This system is built with respect to managing a cricket club. It allows normal users to avail for club membership, book the ground at for desired days and even enroll for various activities in the club. The sports club management system is built keeping in mind various various daily activities of a cricket club and the software automates all these club functionality for easy operation of the club.

In the dynamic world of sports, the management and organization of sports clubs are evolving to meet the demands of modern athletes and enthusiasts. The advent of technology has given rise to an exciting frontier in sports club management – the Automated Sports Club Project. This innovative endeavor harnesses the power of digital solutions to streamline administrative tasks, enhance member experiences, and optimize performance tracking. In this introduction, we will dive into the exciting realm of the automated sports club project, exploring how it is poised to redefine the way sports clubs operate and elevate the overall sporting experience for athletes and stakeholders alike. The benefits of an automated sports club project are manifold. It leads to increased efficiency, reduced administrative burden, improved member engagement, and enhanced performance tracking. Ultimately, it fosters a more organized and vibrant sports club environment that empowers athletes and coaches to focus on what they do best – achieving sporting excellence. Leveraging the power of technology, this project aims to create a seamless and efficient environment for sports enthusiasts, club members, and administrators alike. By automating various aspects such as membership management, scheduling, communication, and performance tracking, the project seeks to optimize the overall experience for athletes and ensure that sports clubs run smoothly and effectively.

The goal of this project is to design and implement a comprehensive online solution that streamlines sports club operations, enhances member experiences, and improves overall club efficiency. This system should not only simplify administrative tasks but also promote athlete development and member engagement in an era where digital solutions play a crucial role in sports club management.

LITERATURE SURVEY

“Sports Management and Administration” by David C. Watt - This book provides insights into sports management principles, including aspects that can be automated in a sports club. “A Guides for Coaches, Managers and other Decision Makers” by Benjamin C. Alamar - This book delves into the use of data analytics and technology in sports management. “The Business of Sports: Off the Field, in the office, on the News” by Scott Rosner and Kenneth L. Shropshire - This book covers various aspects of sports business, including automation and technology. "Online Sports Clubs and Their Impact on Member Engagement" - This article explores the role of online platforms in enhancing member engagement within sports clubs. “The Digital Transformation of Sports Club Management” - This piece discusses the various digital tools and technologies used in modern sports club management. "Sports Technology and Innovation: A Handbook for Sports Management" - This book provides insights into the use of technology in various areas of sports, including club management. "The Modern Sports Club: Leveraging Technology for Success" - This book provides an in-depth exploration of how sports clubs can use technology to improve their operations. "Comparative Analysis of Sports Club Management Software" - A comparative study of different software and platforms used by sports clubs, discussing their strengths and weaknesses.

PROPOSED SYSTEM

The user can register for new membership, book ground for specific days and register for training batches. The admin has to approve every membership and ground booking request as well as request to join a training batch. No need of clumsy paper-work. No need to be physically present to book the ground. The proposed Sports club management system is fully automated and requires just one person from the club to maintain the functionalities of the club. No manual processing of requests. Ensure that each user can have only one active session at a time. When a user logs in from different device or browser, invalidate the previous session.

Efficient scheduling of training sessions, competitions, and events. Reduced scheduling conflicts and confusion among athletes and coaches. Robust data security measures to protect members' personal information. Compliance with data protection regulations, enhancing trust. Reduced paper work and administrative costs. Decreased reliance on physical resources. Decreased paper usage and reduced carbon footprint due to digital communication and registration processes.

RESULTS



Fig. 1 Index



Fig. 2 User Register

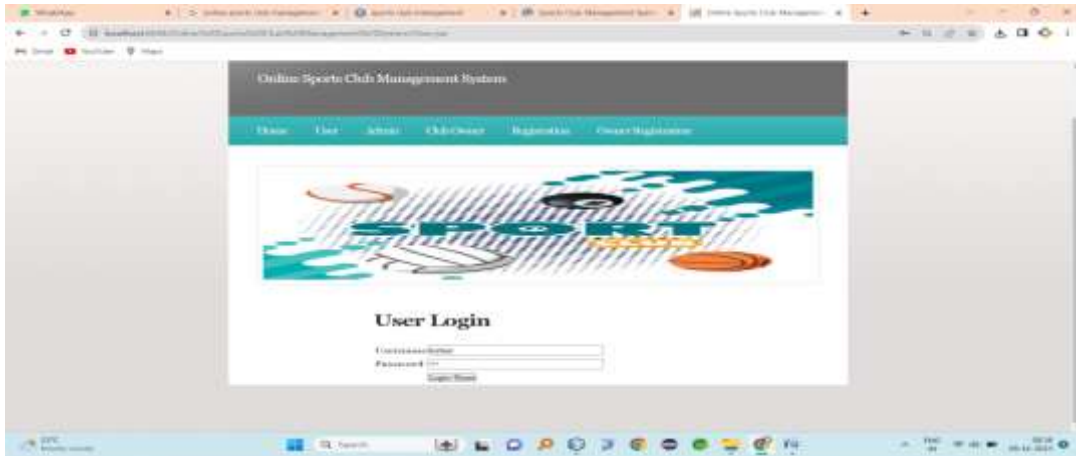


Fig.3 User Login

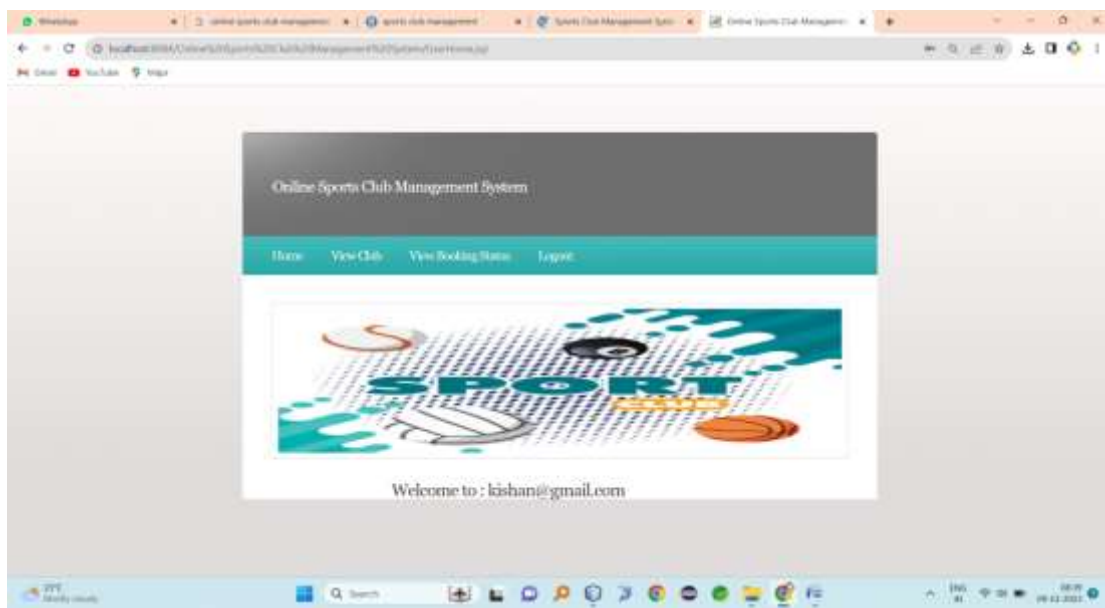


Fig.4 User Home

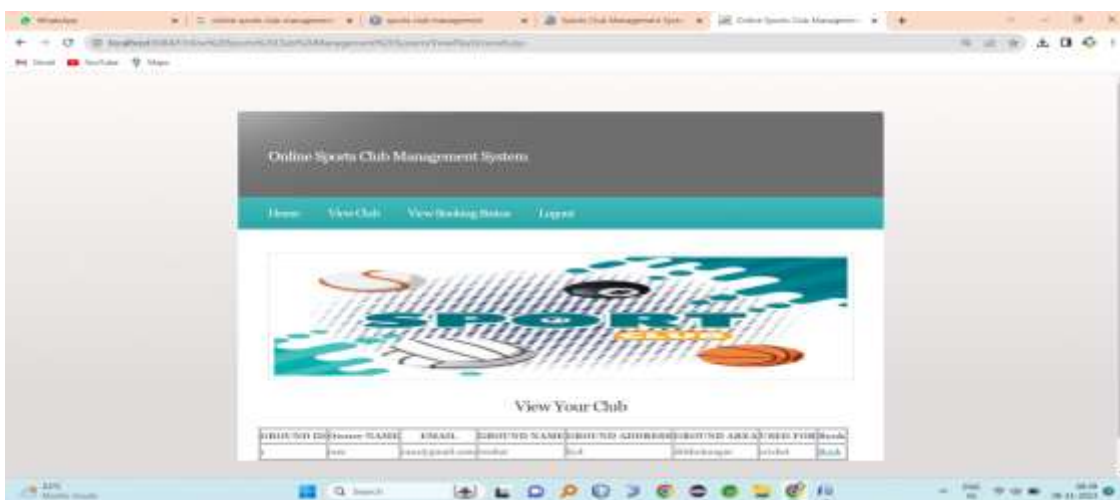


Fig.5 View Club



Fig.6 Owner Registration



Fig.7 Owner Login



Fig .8 Add Club Details

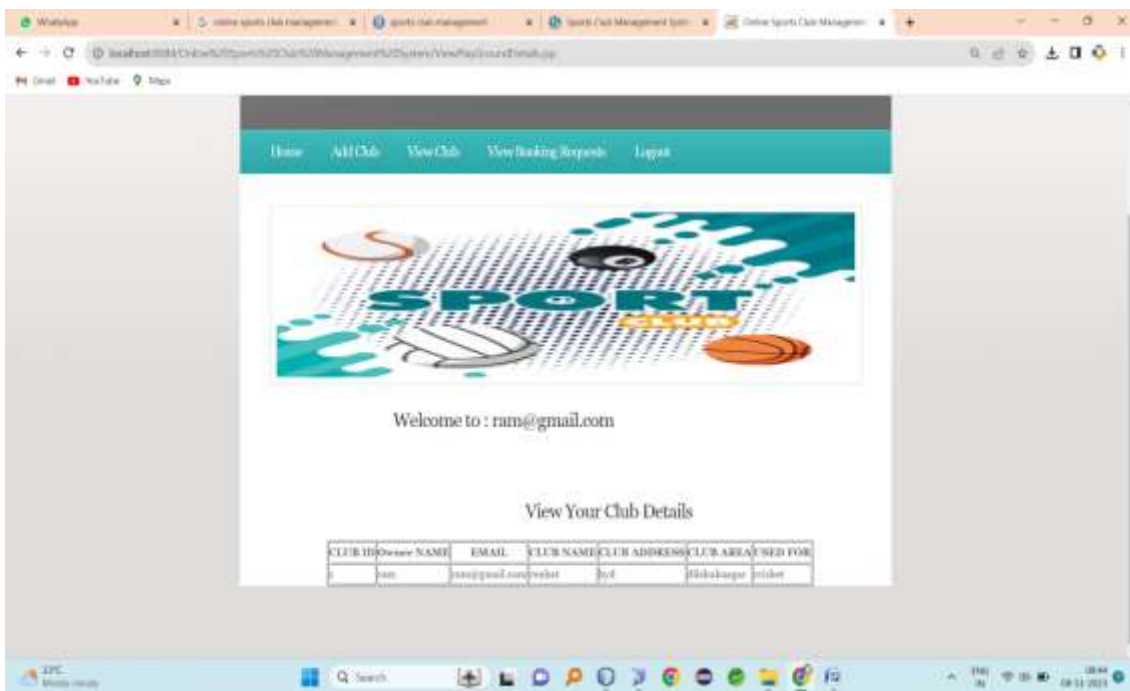


Fig .9 View Club Details

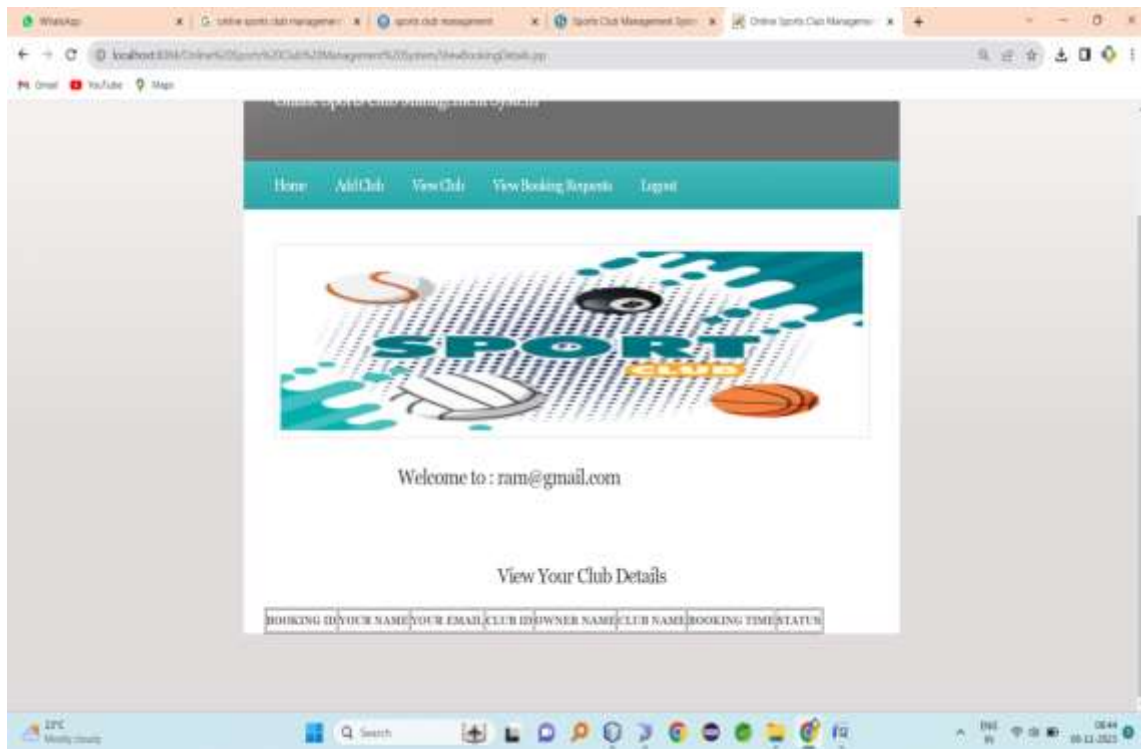


Fig .10 View booking request and accept

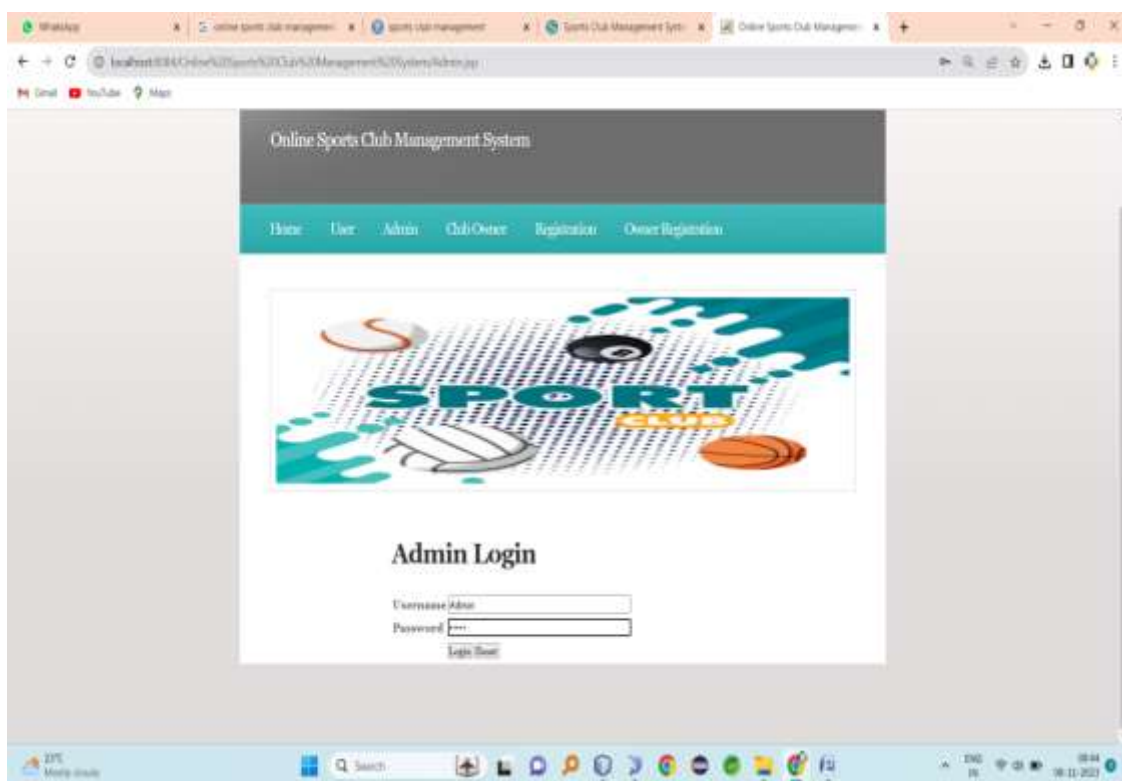


Fig .11 Admin Login

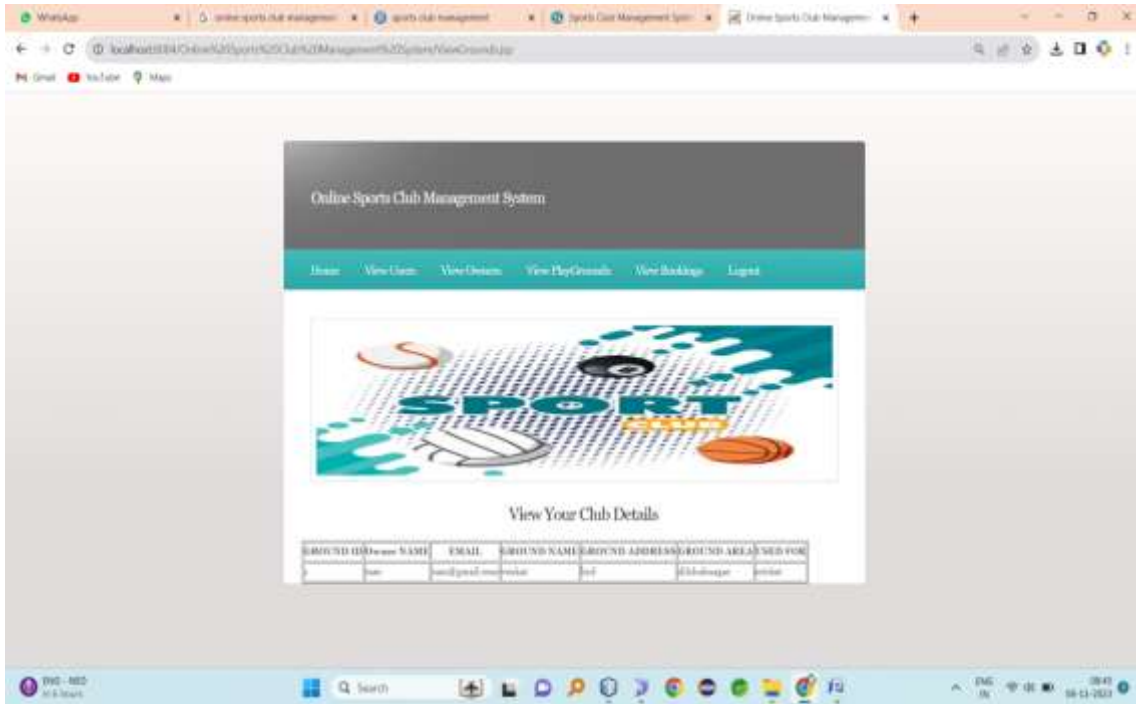


Fig .12 View all club details

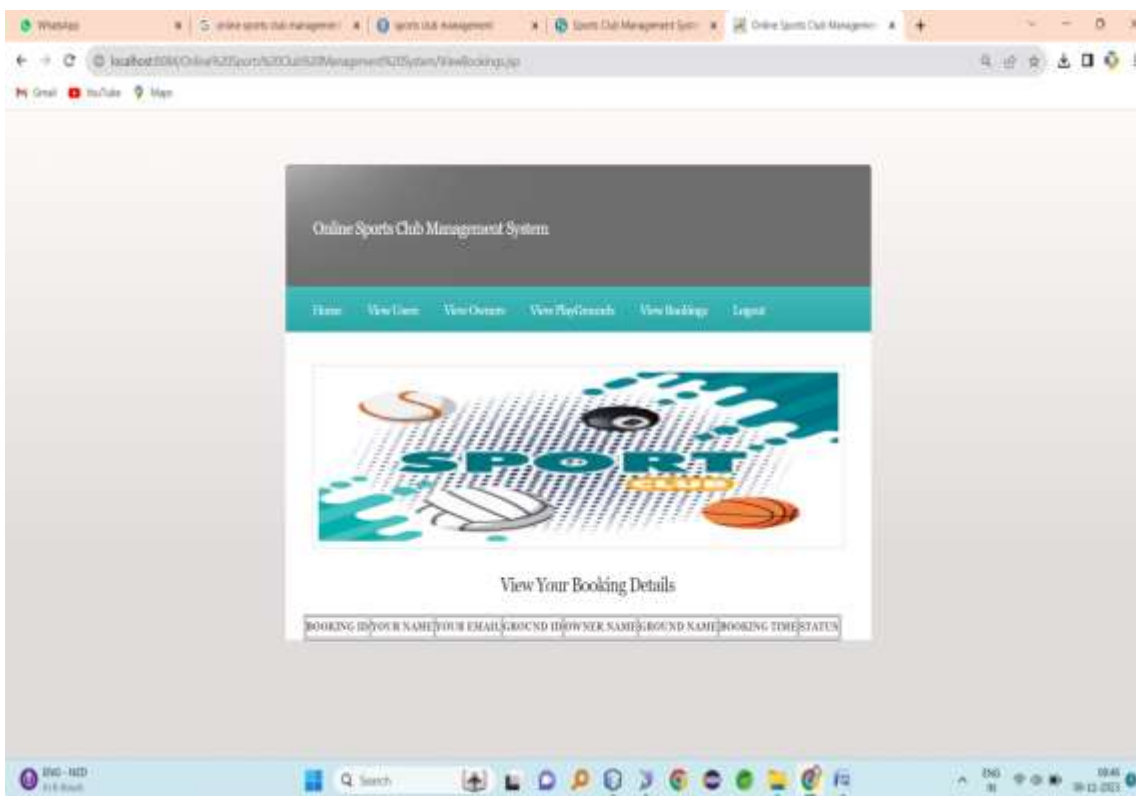


Fig .13 View booking details

CONCLUSION

Online Sports club Booking System this project Sends message reminders to managers and users whenever slots are booked, canceled or rescheduled. And your users can easily and

securely authenticate themselves by linking their existing service (or by Facebook) by using a Password.

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