A Mini Football Pitch Management Program for Tuan Lam

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***Abstract*—This undergraduate thesis investigates a management program for the Tuan Lam mini football pitch. A small sports venue needs consistent booking and business records and a convenient staff interface. The student analyses the pitch-management workflow and builds a Windows Forms application in C# with SQL Server 2019 data storage. The conclusion reports a running program with its basic functions working. It identifies an unfinished interface and functions that have not been fully optimized. The source does not report real booking-volume data, verified revenue, security testing, or a measured comparison with manual management. The contribution is a documented student study or prototype whose stated scope can guide further testing.**

***Index Terms*—football pitch, C#, Windows Forms, SQL Server**

I. Introduction

A small sports venue needs consistent booking and business records and a convenient staff interface. This thesis investigates a management program for the Tuan Lam mini football pitch. It begins from a practical engineering need and explains the technologies and workflow chosen for the case. The objective is to document a student implementation or comparative investigation, together with the evidence available in the manuscript. Broader operational or economic effects require separate measurements and are not assumed from the existence of a prototype [1]. Earlier ICTU student work on related designs is included here for context [2], [3], [4], [5], [6]. Related published studies provide context for the subject and methods [7], [8], [9], [10]. These contextual works were selected for this English summary; they are not asserted to appear in the original thesis bibliography.

II. Methods

The student analyses the pitch-management workflow and builds a Windows Forms application in C# with SQL Server 2019 data storage. The source is summarized through its stated design, implementation material, examples, and conclusion. Features shown in the manuscript are distinguished from proposals for later development. This review does not add a new experiment, fill missing measurements with estimates, or treat a planned capability as an observed result. The source thesis remains the provenance for the reported work [1].

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III. Results

The conclusion reports a running program with its basic functions working. It identifies an unfinished interface and functions that have not been fully optimized. The report's screens, configurations, examples, or measurements constitute the evidence for this summary. A capability described only as a design intention is not counted as a validated operational outcome. No additional performance, adoption, financial, or safety figure has been introduced here. The result is interpreted within the scope of the student's documented setup [1].

IV. Discussion

The source does not report real booking-volume data, verified revenue, security testing, or a measured comparison with manual management. Further work could fix display issues, strengthen security, test bookings and conflicts, and consider the proposed food and drink sales module separately. These limitations affect how the evidence should be read. The current manuscript can support understanding of the design and reported demonstration, while independent tests would be needed for stronger claims. Any later deployment should document its environment and separate observed outcomes from intended benefits [1].

V. Conclusion

The thesis documents a management program for the Tuan Lam mini football pitch. The conclusion reports a running program with its basic functions working. It identifies an unfinished interface and functions that have not been fully optimized. The source does not report real booking-volume data, verified revenue, security testing, or a measured comparison with manual management. Further work could fix display issues, strengthen security, test bookings and conflicts, and consider the proposed food and drink sales module separately. Accordingly, the present contribution is a source-grounded account of the student work and its tested or illustrated scope. Claims about broader effectiveness should be assessed in later work using explicit evaluation conditions [1].

References

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