A C# Application for Cinema Ticket Booking

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***Abstract*—This undergraduate thesis investigates a C# application for managing cinema rooms and ticket bookings. A cinema must keep track of screening spaces, customers, services, and reservations. The student analyses the cinema-management problem and builds a C# application with room, ticket, customer, and service functions. The source describes the design and example interface. The conclusion reports a functioning student application and says the main management functions were integrated. It also acknowledges errors in analysis and design and code that has not been fully optimized. The source does not establish deployment at a cinema, independently measured reliability, or a verified increase in booking efficiency. The contribution is a documented student study or prototype whose stated scope can guide further testing.**

***Index Terms*—C#, cinema, ticket booking, management application**

I. Introduction

A cinema must keep track of screening spaces, customers, services, and reservations. This thesis investigates a C# application for managing cinema rooms and ticket bookings. 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]. Related published studies provide context for the subject and methods [5], [6], [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 cinema-management problem and builds a C# application with room, ticket, customer, and service functions. The source describes the design and example interface. 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 functioning student application and says the main management functions were integrated. It also acknowledges errors in analysis and design and code that has 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 establish deployment at a cinema, independently measured reliability, or a verified increase in booking efficiency. Further work could test complete ticket transactions, refine data validation, and measure usability and performance with representative cinema scenarios. 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 C# application for managing cinema rooms and ticket bookings. The conclusion reports a functioning student application and says the main management functions were integrated. It also acknowledges errors in analysis and design and code that has not been fully optimized. The source does not establish deployment at a cinema, independently measured reliability, or a verified increase in booking efficiency. Further work could test complete ticket transactions, refine data validation, and measure usability and performance with representative cinema scenarios. 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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