A .NET Sales Management Application for Thuy Tien Store in Thai Nguyen

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***Abstract*—This undergraduate thesis investigates a .NET application for sales management at Thuy Tien store in Thai Nguyen. A small store must track products, stock, and sales consistently. The student analyzes store management tasks and develops a .NET application with product, inventory, and sales functions. The thesis presents database and interface designs with examples of basic reporting. The conclusion reports that basic store-management functions were implemented. It also states that barcode scanning, complete statistics, and some desired functions remain unfinished, while data entry is largely manual. The prototype has limited feature coverage and the source does not demonstrate sustained use at the store or independently verified improvements in accuracy or sales. The contribution is a documented student study or prototype whose stated scope can guide further testing.**

***Index Terms*—.NET, sales management, inventory, retail software**

I. Introduction

A small store must track products, stock, and sales consistently. This thesis investigates a .NET application for sales management at Thuy Tien store in Thai Nguyen. 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], [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 analyzes store management tasks and develops a .NET application with product, inventory, and sales functions. The thesis presents database and interface designs with examples of basic reporting. 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 that basic store-management functions were implemented. It also states that barcode scanning, complete statistics, and some desired functions remain unfinished, while data entry is largely manual. 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 prototype has limited feature coverage and the source does not demonstrate sustained use at the store or independently verified improvements in accuracy or sales. Further development could add barcode input, complete the reporting functions, and test the application with representative transactions. 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 .NET application for sales management at Thuy Tien store in Thai Nguyen. The conclusion reports that basic store-management functions were implemented. It also states that barcode scanning, complete statistics, and some desired functions remain unfinished, while data entry is largely manual. The prototype has limited feature coverage and the source does not demonstrate sustained use at the store or independently verified improvements in accuracy or sales. Further development could add barcode input, complete the reporting functions, and test the application with representative transactions. 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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