A Clean Food Sales Website for Emana Store

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***Abstract*—This undergraduate thesis develops a website for selling clean food products for Emana Store. The manuscript reviews Visual Studio, ASP.NET, and SQL Server, then models customer accounts, product categories, product management, invoices, orders, and checkout. It includes a relational data model, class diagram, and screen descriptions for the home page, products, registration, payment, order management, sales statistics, and best-selling products. A section outlines procedures for integrating MoMo payment, while the conclusion identifies online bank payment and broader payment support as incomplete. The author reports a usable web prototype and acknowledges limits in features and analysis. The evidence consists of requirements, data structures, diagrams, and illustrated pages; the source does not provide verified sales transactions, settled payments, a deployment record, or independent performance and security tests. This summary describes the documented student prototype without treating proposed commercial benefits as measured results.**

***Index Terms*—clean food, online store, ASP.NET, SQL Server, order management**

I. Introduction

A food retailer needs a way to display products, accept customer orders, and monitor inventory and sales. This thesis proposes a web channel for Emana Store and organizes those needs around a product catalogue and management functions. The source frames the website as a way to make food shopping more convenient, but does not measure customer adoption or sales impact. The report's strongest evidence is its model and illustrated user and administrator interfaces. This English summary follows that evidence and distinguishes described payment procedures from proven live payment processing [1]. Earlier ICTU student work on related designs is included here for context [2], [3], [4], [5], [6], [7], [8]. Published technical books provide background for the methods discussed in this summary [9], [10], [11]. These contextual works were selected for this English summary; they are not asserted to appear in the original thesis bibliography.

II. Methods

The student reviews Microsoft Visual Studio, ASP.NET, and SQL Server before specifying website roles and functions. Requirements cover customer registration and login, product categories, product management, invoices, orders, and checkout. The design chapter includes use cases, relational tables, a relationship diagram, and a class diagram. The source also discusses steps for a MoMo integration. The implementation chapter presents screenshots and descriptions of customer and administration pages. This summary examines the source cover, requirements, database design, interface descriptions, and conclusion. No payment transaction, security test, or independent user evaluation is inferred from a design or screenshot alone [1].

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III. Results

The manuscript illustrates the home page, checkout page, product detail, registration, new food products, statistics, order management, and best-selling product management. It describes the administrator's ability to monitor product stock and sales information, and the customer's ability to inspect products and follow an ordering path. The author says the website was built and is relatively easy to use, while also noting incomplete functions, especially bank-based online payment. The report provides no count of real customers or orders, no evidence of completed MoMo or bank settlements, and no measured availability, speed, or security outcome [1].

IV. Discussion

The source presents a coherent catalogue and order-management concept for a food store, but the evidence is mainly structural and visual. The MoMo section outlines integration procedures and cannot by itself establish that a production payment gateway was connected. The stated limitations in online payment and analysis should be addressed before operational use. A later version should test account permissions, stock and order-state changes, checkout failures, payment callbacks, and privacy protection using recorded test cases. Real customer and transaction data would be needed to assess whether the site improves sales or customer convenience [1].

V. Conclusion

Nguyễn Tuấn Nghĩa's thesis documents an ASP.NET and SQL Server-based clean-food sales website for Emana Store. The report contains design models and illustrated screens for products, accounts, ordering, and administration. Its conclusion describes a usable student prototype and acknowledges incomplete payment and other functions. The source does not verify public deployment, settled transactions, or measured business performance. Future work should complete payment handling, strengthen access and data checks, and evaluate the entire ordering flow before claiming production readiness [1].

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