Online Sales Website for ATK Non-Fired Materials Joint Stock Company in Thai Nguyen

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***Abstract*—This undergraduate project examines "Online Sales Website for ATK Non-Fired Materials Joint Stock Company in Thai Nguyen." The ATK website described in the thesis presents non-fired building materials, groups products by use, supports online orders, and provides a contact module. The original conclusion says these functions satisfy basic e-commerce requirements. Materials and warehouse work requires traceable receipts, issues, and stock balances. The work should therefore be described as an initial e-commerce implementation rather than a fully scalable or verified public retail service. Field use and performance testing would be needed to assess simultaneous access and business impact. The work is reported within the scope supported by the original manuscript, without assuming an unrecorded deployment or quantitative benefit.**

***Index Terms*—e-commerce, online sales, UML, Rational Rose, electronic payment, website design**

I. Introduction

Materials and warehouse work requires traceable receipts, issues, and stock balances. The thesis examines an organization's existing workflow and the information needed to support its selected task. It identifies a practical task, selects functions to study or build, and explains why the task matters to the organization concerned. The evidence for the project is its requirements analysis, design material, and described implementation. Intended advantages are distinguished from effects actually established in the manuscript [1]. Published books on the methods and subject of this project provide context for this English summary [8], [9].

II. Methods

The student analyzed the selected case, described the relevant records and procedures, and prepared the design or program functions reported in the thesis. The design links input records to the updates, searches, reports, or other functions relevant to the task. Functional descriptions, diagrams, interfaces, and source conclusions are used where present to identify completed work. The manuscript is not treated as evidence of an additional user trial or dataset that it does not document [1].

III. Results

The ATK website described in the thesis presents non-fired building materials, groups products by use, supports online orders, and provides a contact module. The original conclusion says these functions satisfy basic e-commerce requirements. It also identifies shortcomings: news content is limited, some database fields are poorly structured, the chosen MySQL setup may not serve many simultaneous visitors well, and administrator permissions need further work. No measured load test or completed commercial transaction study is presented. The supported result is a basic sales website with documented limitations and a development plan [1].

Supervisor: Nguyễn Việt Hùng.

IV. Discussion

The ATK website described in the thesis presents non-fired building materials, groups products by use, supports online orders, and provides a contact module. The original conclusion says these functions satisfy basic e-commerce requirements. The reported functions can be interpreted against the original organizational need, but implementation alone does not establish every intended benefit. The work should therefore be described as an initial e-commerce implementation rather than a fully scalable or verified public retail service. Field use and performance testing would be needed to assess simultaneous access and business impact. Reconciliation with a complete set of physical and recorded stock movements would test practical accuracy. The source provides a case study and a basis for later verification of completeness, reliability, and use [1]. Earlier ICTU undergraduate work by Trần Thị Huệ addressed online sales website implementation [7].

V. Conclusion

The student built a product and online-ordering website for ATK Non-Fired Materials. The source conclusion lists the catalogue, product categories, ordering, and contact functions as completed. It also calls for better news organization, database changes, and administrator access control. The work should therefore be described as an initial e-commerce implementation rather than a fully scalable or verified public retail service. Field use and performance testing would be needed to assess simultaneous access and business impact [1].

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