A Node.js Website for the 76 Audio Speaker Store in Thai Nguyen

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***Abstract*—This undergraduate thesis investigates a web storefront for the 76 Audio speaker store. A speaker retailer needs an online way to present products and help visitors find basic store information. The author studies web development requirements and develops a Node.js application with product and store pages. The manuscript documents the chosen development tools, interface design, and representative screens of the website. The report presents a basic website that displays the store and its products. Its conclusion acknowledges visual-design shortcomings. Online payment is described as a possible later addition and is not established as an implemented transaction workflow. The source does not include a controlled usability study, verified sales figures, or evidence that the site was adopted for routine store operations. A working screen alone cannot establish commercial effectiveness. The contribution is a documented student study or prototype whose stated scope can guide further testing.**

***Index Terms*—Node.js, speaker store, product website, web development**

I. Introduction

A speaker retailer needs an online way to present products and help visitors find basic store information. This thesis investigates a web storefront for the 76 Audio speaker store. 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]. Related published studies provide context for the subject and methods [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 author studies web development requirements and develops a Node.js application with product and store pages. The manuscript documents the chosen development tools, interface design, and representative screens of the website. 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 report presents a basic website that displays the store and its products. Its conclusion acknowledges visual-design shortcomings. Online payment is described as a possible later addition and is not established as an implemented transaction workflow. 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 include a controlled usability study, verified sales figures, or evidence that the site was adopted for routine store operations. A working screen alone cannot establish commercial effectiveness. Further development could refine the interface, test product-management tasks with store staff, and separately design and audit any future payment integration. 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 web storefront for the 76 Audio speaker store. The report presents a basic website that displays the store and its products. Its conclusion acknowledges visual-design shortcomings. Online payment is described as a possible later addition and is not established as an implemented transaction workflow. The source does not include a controlled usability study, verified sales figures, or evidence that the site was adopted for routine store operations. A working screen alone cannot establish commercial effectiveness. Further development could refine the interface, test product-management tasks with store staff, and separately design and audit any

future payment integration. 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].

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