A Spring Boot E-Commerce Website

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***Abstract*—This undergraduate thesis investigates an e-commerce website built with Spring Boot. A shopping website needs a product catalogue, cart, and order-management workflow. The student designs and implements a Spring Boot website and documents its product display, cart, and order functions. The conclusion reports the main browsing, cart, and order-management features. Online payment is explicitly unfinished, while mobile display, search filters, security, and customer support are proposed for later development. The source has no cover page and is dated December 2023 in its acknowledgement. It does not show commercial deployment, successful payments, or tested security and performance. The contribution is a documented student study or prototype whose stated scope can guide further testing.**

***Index Terms*—Spring Boot, e-commerce, shopping cart, order management**

I. Introduction

A shopping website needs a product catalogue, cart, and order-management workflow. This thesis investigates an e-commerce website built with Spring Boot. 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 designs and implements a Spring Boot website and documents its product display, cart, and order functions. 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].

III. Results

The conclusion reports the main browsing, cart, and order-management features. Online payment is explicitly unfinished, while mobile display, search filters, security, and customer support are proposed for later development. 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].

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IV. Discussion

The source has no cover page and is dated December 2023 in its acknowledgement. It does not show commercial deployment, successful payments, or tested security and performance. Further work could test order consistency, improve mobile presentation and search, and validate payment and data protection before real use. 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 an e-commerce website built with Spring Boot. The conclusion reports the main browsing, cart, and order-management features. Online payment is explicitly unfinished, while mobile display, search filters, security, and customer support are proposed for later development. The source has no cover page and is dated December 2023 in its acknowledgement. It does not show commercial deployment, successful payments, or tested security and performance. Further work could test order consistency, improve mobile presentation and search, and validate payment and data protection before real use. 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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