An Online Cosmetics Store Website for LinhCosmetic

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***Abstract*—This undergraduate thesis develops an online cosmetics sales website for LinhCosmetic. The source explains PHP, MySQL, Laravel, and model-view-controller design, then specifies customer and administrator requirements. It models registration, login, product browsing and search, shopping cart, checkout, order review, inventory, categories, and customer management. The implementation chapter describes pages for products, filters, favorites, cart, payment options, order status, and administrator controls. The author reports a functioning basic online shop and explicitly notes that some functions remain incomplete, the visual design needs improvement, and the site cannot yet recommend products suited to a customer's skin type or warn about unsuitable choices. The manuscript does not present verified sales, payment settlement, independent usability tests, or browser compatibility measurements. This summary therefore treats the work as a documented student e-commerce prototype and separates implemented pages from untested commercial claims.**

***Index Terms*—cosmetics, online store, Laravel, e-commerce, inventory management**

I. Introduction

A cosmetics retailer can use a web catalogue to show product descriptions, prices, brands, and ordering options to customers. This thesis proposes such a website for LinhCosmetic and frames it as a way to support product discovery and online purchases. Its source describes the store context, customer needs, administrative tasks, and the choice of a PHP-based web stack. The scope includes shopping and order-management workflows as well as information pages. This English summary reports the design and prototype evidence while avoiding assumptions about actual sales growth or suitability of specific products [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 PHP, MySQL, Laravel, and the model-view-controller pattern. The requirements analysis separates customer functions from product, inventory, category, and order administration. It provides use-case scenarios and activity and sequence diagrams for account access, browsing, searching, cart operations, checkout, product maintenance, and order handling. The implementation chapter presents screenshots and descriptions of the public site and administrator pages. This summary compares those materials with the author's conclusion. It does not treat a listed payment method as proof that a live payment provider processed transactions [1].

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III. Results

The manuscript shows a home page, product categories and filters, product details, favorites, cart and checkout pages, order lists and status, reviews, and administrator views for products, categories, filters, and stock. The author states that customers can browse products and prices and make purchases through the prototype, and that administrators can manage merchandise information. The conclusion also says that some functions were not finished or did not meet the intended design. There are no transaction records, user-study results, quantitative performance data, or independent tests of payment and privacy controls [1].

IV. Discussion

The described interface covers much of a standard online retail journey, but the report's evidence is primarily diagrams and screenshots. The author identifies incomplete functionality, errors, and an interface that lacks professional polish. Product recommendations by skin type and warnings about unsuitable products are proposed rather than implemented. Because cosmetic suitability can affect customers, such advice would require a well-defined evidence base and careful validation. Further work should test checkout, order states, stock changes, account security, and accessibility before the system is used to make operational or commercial claims [1].

V. Conclusion

Ôn Thị Linh's thesis documents a Laravel-based cosmetics shopping website for LinhCosmetic. It describes customer browsing and ordering flows alongside administrator functions for merchandise and orders. The source supports the existence of a substantial student prototype, while the author acknowledges unfinished functions and interface limitations. No measured business impact, verified payment processing, or independently validated product advice is established. Future work should complete the core transaction path, verify security

and usability, and test any later recommendation or skin-suitability feature against an appropriate evidence base [1].

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