A Laravel Music Website Called WeMusic

Đặng Huy Bách
Thai Nguyen University of Information and Communication Technology
Thai Nguyen University, Thai Nguyen, Vietnam
student563@ictu.edu.vn

***Abstract*—This undergraduate thesis investigates a music website prototype called WeMusic. Listeners need a way to find songs and access a simple music catalogue online. The student studies Laravel and web-system design, then builds a demo with registration, login, music search, upload, and visit statistics. The report includes data design and application screens. The conclusion lists the main WeMusic demo functions and says the project progressed on schedule. It does not establish licensed music distribution, sustained listeners, or measured service performance. The author acknowledges limited time and practical experience. Content rights, upload moderation, account security, and scalability would require careful work before public music hosting. The contribution is a documented student study or prototype whose stated scope can guide further testing.**

***Index Terms*—music website, Laravel, WeMusic, song search**

I. Introduction

Listeners need a way to find songs and access a simple music catalogue online. This thesis investigates a music website prototype called WeMusic. 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]. Related published studies provide context for the subject and methods [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 studies Laravel and web-system design, then builds a demo with registration, login, music search, upload, and visit statistics. The report includes data design and application screens. 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].

Supervisor: Nguyễn Hồng Tân, Thai Nguyen University of Information and Communication Technology (nhtan@ictu.edu.vn).

III. Results

The conclusion lists the main WeMusic demo functions and says the project progressed on schedule. It does not establish licensed music distribution, sustained listeners, or measured service performance. 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 author acknowledges limited time and practical experience. Content rights, upload moderation, account security, and scalability would require careful work before public music hosting. Further development could test the actual listening and upload workflows, check content permissions, and measure reliability with representative users. 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 music website prototype called WeMusic. The conclusion lists the main WeMusic demo functions and says the project progressed on schedule. It does not establish licensed music distribution, sustained listeners, or measured service performance. The author acknowledges limited time and practical experience. Content rights, upload moderation, account security, and scalability would require careful work before public music hosting. Further development could test the actual listening and upload workflows, check content permissions, and measure reliability with representative users. 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

[1] Đặng Huy Bách, "A Laravel Music Website Called WeMusic," internal undergraduate thesis (original in Vietnamese), Thai Nguyen University of Information and Communication Technology, 2024.

[2] Phạm Văn Nghĩa, ”Research on Android and Development of a Music Listening Application,” internal undergraduate thesis, Thai Nguyen University of Information and Communication Technology, 2020.
[3] Lã Quyết Tâm, ”BUILDING A RESTAURANT MANAGEMENT SYSTEM USING THE LARAVEL FRAMEWORK,” internal undergraduate thesis, Thai Nguyen University of Information and Communication Technology, 2021.
[4] Nguyễn Đức Duy, ”Study of Laravel, VueJS, React, Docker, GitHub and Development of an Admin Module for Shopify App EComposer – Landing Page Builder,” internal undergraduate thesis, Thai Nguyen University of Information and Communication Technology, 2023.
[5] Devin Brown, ”New Website for Music Memory,” Southern Spaces, 2012. doi:10.18737/m7js5b.
[6] Prasanna M. Kothawale, ”DESIGNING WEBSITE FOR MUSIC FESTIVALS,” International Journal of Advanced Research in Computer Science, 2017. doi:10.26483/ijarcs.v8i9.5165.
[7] E S Soegoto, ”Implementing Laravel framework website as brand image in higher-education institution,” IOP Conference Series: Materials Science and Engineering, 2018. doi:10.1088/1757-899x/407/1/012066.
[8] Robby Yuli Endra et al., ”Analisis Perbandingan Bahasa Pemrograman PHP Laravel dengan PHP Native pada Pengembangan Website,” EXPERT: Jurnal Manajemen Sistem Informasi dan Teknologi, 2021. doi:10.36448/expert.v11i1.2012.
[9] Handy Fernandy et al., ”RANCANG BANGUN SISTEM INFORMASI WEBSITE PROGRAM STUDI TEKNIK INFORMATIKA UNUSIA MENGGUNAKAN METODE WATERFALL DAN FRAMEWORK LARAVEL,” Jurnal Publikasi Ilmu Komputer dan Multimedia, 2022. doi:10.55606/jupikom.v1i1.230.
[10] Gde Brahupadhya Subiksa et al., ”Pengembangan CMS (Content Management System) dalam Pembuatan Website Jurusan Menggunakan Framework Laravel,” JELIKU (Jurnal Elektronik Ilmu Komputer Udayana), 2023. doi:10.24843/jlk.2023.v11.i04.p33.