A Room Search and Rental Website for Thai Nguyen

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***Abstract*—This undergraduate thesis investigates a room search and rental website for Thai Nguyen. Renters and landlords need to find, publish, and manage room information and contact requests. The student designs a database and application APIs and implements room listings, user management, rental requests, posts, comments, and landlord administration in a web prototype. The manuscript shows screens for room lists, room details, pending tenant requests, user controls, posts, and contact functions. The conclusion reports that the basic workflows and APIs were completed. The source describes the application as simple and notes unfinished code optimization. It does not establish real-world adoption, secure identity checks, verified listings, or transaction processing. The contribution is a documented student study or prototype whose stated scope can guide further testing.**

***Index Terms*—room rental, Thai Nguyen, web application, property listing**

I. Introduction

Renters and landlords need to find, publish, and manage room information and contact requests. This thesis investigates a room search and rental website for Thai Nguyen. 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]. Related published studies provide context for the subject and methods [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 a database and application APIs and implements room listings, user management, rental requests, posts, comments, and landlord administration in a web prototype. 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 manuscript shows screens for room lists, room details, pending tenant requests, user controls, posts, and contact functions. The conclusion reports that the basic workflows and APIs were completed. 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 describes the application as simple and notes unfinished code optimization. It does not establish real-world adoption, secure identity checks, verified listings, or transaction processing. Further work could test the rental-request lifecycle, moderate listings, improve search and accessibility, and measure performance with a reproducible workload. 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 room search and rental website for Thai Nguyen. The manuscript shows screens for room lists, room details, pending tenant requests, user controls, posts, and contact functions. The conclusion reports that the basic workflows and APIs were completed. The source describes the application as simple and notes unfinished code optimization. It does not establish real-world adoption, secure identity checks, verified listings, or transaction processing. Further work could test the rental-request lifecycle, moderate listings, improve search and accessibility, and measure performance with a reproducible workload. 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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