A Mobile Application for Sharing Cooking Recipes

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***Abstract*—This undergraduate thesis investigates a mobile application for sharing cooking recipes. Home cooks need a place to browse and contribute recipes with useful search features. The student analyses the recipe-sharing workflow with UML and develops a mobile application that presents and searches recipe information. The conclusion describes a basic student application. It acknowledges unfinished functions, unclear screens, slow execution, and search that does not scale well or offer diverse filters. The source does not show a measured search benchmark, verified recipe quality, or a study of user adoption. The contribution is a documented student study or prototype whose stated scope can guide further testing.**

***Index Terms*—recipe sharing, mobile application, UML, search**

I. Introduction

Home cooks need a place to browse and contribute recipes with useful search features. This thesis investigates a mobile application for sharing cooking recipes. 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]. Related published studies provide context for the subject and methods [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 analyses the recipe-sharing workflow with UML and develops a mobile application that presents and searches recipe information. 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 conclusion describes a basic student application. It acknowledges unfinished functions, unclear screens, slow execution, and search that does not scale well or offer diverse filters. 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 show a measured search benchmark, verified recipe quality, or a study of user adoption. Further work could improve search and interface clarity and add recipe comparison, bilingual display, and step-by-step cooking guidance. 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 mobile application for sharing cooking recipes. The conclusion describes a basic student application. It acknowledges unfinished functions, unclear screens, slow execution, and search that does not scale well or offer diverse filters. The source does not show a measured search benchmark, verified recipe quality, or a study of user adoption. Further work could improve search and interface clarity and add recipe comparison, bilingual display, and step-by-step cooking guidance. 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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