Chapter 5

SUMMARY OF FINDINGS, CONCLUSIONS, AND RECOMMENDATIONS

In this chapter, the summary of findings generated in Chapter 4 was presented, along with the conclusion and recommendations for future researchers and developers who would develop and study related topics based on our Research.

Summary of Findings

This study focuses on the development of StudyBuddy, a collaborative study and note-taking app aimed at addressing challenges faced by CHMSU-A students, such as disorganized notes, limited collaboration, and a lack of productivity tools. The app integrates features like tagging, categorization, task assignment, real-time communication, and a marketplace for educational resources to enhance collaboration, organization, and productivity in students' academic pursuits.

The study employed a mixed-methods approach, combining purposive sampling for in-depth exploration and convenience sampling for broader data collection. Data collection methods included the use of the Post-Study System Usability

Questionnaire (PSSUQ), user surveys, focus groups, and interviews. A total of 25 participants, consisting of CHMSU-A students and IT experts, evaluated the app for usability and effectiveness.

The findings indicate that StudyBuddy is highly effective in fostering a collaborative learning environment. The app achieved a mean usability score of 1.45 on the PSSUQ scale, categorized as "Very Useful." Participants highlighted the intuitive interface, ease of organization, and enhanced productivity as key strengths. The app's collaborative features, such as task tracking and real-time communication, were particularly appreciated for improving teamwork and engagement. Additionally, the marketplace functionality was well-received as an innovative feature for resource sharing.

These results demonstrate the potential of StudyBuddy to address students' academic needs while providing valuable insights for future research and development in educational technology.

Conclusions

Based on the summary findings, the proponents drew the following conclusions:

1. The proponents successfully developed a user-friendly interface designed to facilitate easy navigation and engagement for students with key features such as creating, sharing, and collaborating on study materials were effectively implemented, allowing students to seamlessly engage with content. Organizational tools like tagging, categorization, and search functionalities were incorporated to streamline access to specific topics and enhance study efficiency. The system also included task assignment and tracking features, fostering accountability among users. The integration of real-time communication channels and a marketplace for educational resources added valuable dimensions to the platform, promoting collaboration and resource sharing.

2. The proponents successfully conducted a rigorous testing of the platform's features to ensure optimal functionality. The app's ability to create, share, and collaborate on study materials, as well as its tagging, categorization, and search tools, were thoroughly evaluated and confirmed to work as intended. The task assignment and tracking system was effective in managing student tasks, while real-time communication channels performed well in supporting collaboration. The marketplace feature also functioned smoothly, allowing students to exchange educational resources.

Overall, all technical features of StudyBuddy were tested successfully, ensuring the app’s readiness for use in an academic setting.

3. The usability of StudyBuddy was thoroughly evaluated using PSSUQ (Post-Study System Usability Questionnaire) parameters.

a) System Usefulness: The system was found to be highly useful, significantly enhancing students' productivity and collaboration by providing an easy-to-use platform for sharing and managing study materials.
b) Information Quality: The quality of information provided by StudyBuddy was considered excellent, with students reporting that the platform’s organization and categorization features helped them find accurate and relevant study materials quickly.
c) Interface Quality: The interface was evaluated positively, with users appreciating its clean design, intuitive navigation, and ease of use. Students felt that the system was not overwhelming, which contributed to its overall positive usability rating. These conclusions demonstrate that StudyBuddy is a promising solution for addressing the evolving needs of CHMSU-A students in their academic endeavors.

In conclusion, StudyBuddy successfully met its objectives by developing a rich in features, user-friendly platform that enhances collaboration, organization, and productivity among students. The testing and evaluation phases confirmed the system's functionality and usability, ensuring it provides significant value to students in their academic pursuits.

Recommendations

After the detailed results, summary of findings up to the conclusions, recommendations are also provided to help future researchers, and these are the following:

1. Enhance error messages and provide clearer instructions to help users recover from mistakes more efficiently.

2. Improve and enhance the search functionality to allow for more precise and efficient searches within the app.

3. Adding more collaboration tools to enhance real-time collaboration.