**LostLinker: An Innovative Platform for Seamless Travel Booking and Exploration**

A Title Proposal Presented to

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**CHAPTER 1**

**INTRODUCTION**

The introduction of Lost Linker represents a significant leap forward in tackling the pervasive problem of lost and found items within educational institutions. This innovative software has been designed to empower students with an efficient platform for effectively managing lost and found possessions. Its core functionalities revolve around streamlining the reporting of lost items and facilitating searches and claims for found items, thus simplifying the entire process. Moreover, the implementation of secure user profiles, authenticated through institution-issued IDs, instills a sense of reliability and trust among users, significantly enhancing the overall security of the platform. By mandating the inclusion of comprehensive item information, such as item type, description, location, and date, the software ensures that all necessary details are provided during the reporting process, contributing to a more precise and efficient system.

In addition to these foundational features, Lost Linker incorporates a validation process that has been thoughtfully integrated to safeguard the rightful ownership of lost items. This process ensures that only genuine owners can claim their lost items, adding an extra layer of security and accuracy to the platform. Furthermore, real-time notifications are pivotal in expediting the item retrieval process, as they promptly alert users when a match is found between a lost item and a found item. This feature greatly simplifies the process for both those who have lost items and those who have found them, fostering a smoother and more efficient exchange.

Taking inspiration from the work of Zainab Abdul-Jalil Salman and Omar Athab, who highlighted the growing issue of lost items amidst the stress of modern life, Lost Linker introduces an Android-based application that serves as a practical solution to this problem. This application allows users to report lost items to the relevant authorities, fostering seamless communication between finders and owners. During rigorous testing, the platform showcased its ability to efficiently register users, accurately catalog lost items, and automate the dissemination of lost-and-found notifications. In conclusion, Lost Linker not only addresses a pressing issue but also leverages information technology to offer a comprehensive, secure, and efficient solution for managing lost and found items within educational institutions.

**PROJECT DESCRIPTION**

Lost Linker is an innovative software solution aimed at revolutionizing the way educational institutions handle the ubiquitous problem of lost and found items. This platform empowers students by providing them with an efficient and user-friendly tool to manage their lost and found possessions effectively. Its core features focus on simplifying the reporting of lost items and facilitating searches and claims for found items, thereby streamlining the entire process. Lost Linker prioritizes security through the use of institution-issued IDs to authenticate user profiles, instilling trust and reliability within the system. Furthermore, the software mandates comprehensive item information, including type, description, location, and date, ensuring all necessary details are provided during the reporting process, resulting in a more precise and efficient system.

The primary goal of Lost Linker is to alleviate the recurring issue of lost and found items within educational institutions. It aims to achieve this by providing students with a user-friendly platform that simplifies the reporting, searching, and claiming of lost items. The key objectives of the project include enhancing security through institution-issued IDs, automating the validation process to safeguard rightful ownership, and expediting item retrieval through real- time notifications. Additionally, the project draws inspiration from the work of Zainab Abdul- Jalil Salman and Omar Athab, who highlighted the growing problem of lost items in the modern, fast-paced world.

Lost Linker is needed because it addresses a pervasive and longstanding issue that affects students in educational institutions worldwide. Losing personal belongings is a common occurrence, and the lack of an efficient system to manage lost and found items can result in frustration and inconvenience for students and staff alike. This software offers a comprehensive, secure, and efficient solution to this problem, simplifying the process for both those who have lost items and those who have found them. By leveraging information technology and incorporating advanced features, Lost Linker not only streamlines the management of lost items but also promotes a culture of responsibility and accountability among students. Ultimately, Lost Linker is needed to enhance the overall experience of students within educational institutions and contribute to a more organized and responsible community.

**STATEMENT OF OBJECTIVES**

The general objective of the system is to revolutionize lost and found management for students by providing a secure, user-friendly platform that streamlines the reporting and retrieval of lost items, while fostering a sense of community and responsibility to reduce the occurrence of lost belongings on campus.

1. To streamline the process of reporting lost items and reuniting them with their rightful owners, enhancing the efficiency and convenience of lost and found management for students.
2. To create a secure and user-friendly platform that empowers students to report and search for lost items with ease, reducing the frustration and time spent on handling lost and found inquiries.
3. To establish a comprehensive system that not only centralizes the tracking of lost items but also fosters a sense of community and responsibility among students, ultimately minimizing the occurrence of lost belongings on campus.

In conclusion, the overarching goal of the system, LostLinker, is to transform the management of lost and found items among students. This will be achieved by offering a secure and user-friendly platform that simplifies the reporting and retrieval of lost items, fostering a sense of community and responsibility. Through these objectives, LostLinker strives to enhance efficiency, reduce frustration, and ultimately minimize the occurrence of lost belongings on campus, creating a more harmonious and responsible student environment.

**SIGNIFICANCE OF THE STUDY**

The significance and importance of implementing this system on campus are substantial. This innovative lost and found system offers numerous benefits that extend to various stakeholders, creating a more efficient and effective campus environment. By streamlining the process of reporting and recovering lost items, it significantly improves the overall campus experience. It not only simplifies the lives of students but also extends its advantages to teachers, future researchers, and the families supporting the students. This system, therefore, has the potential to enhance the quality of campus life, foster a sense of community, and facilitate academic and personal growth, ultimately making it an invaluable asset for the entire campus ecosystem. The result of this study will benefited the following:

**Students**: This study offers significant benefits to students by providing them with a practical solution for reclaiming their lost or missing items. It can be incredibly frustrating for students when they misplace personal belongings, such as textbooks, laptops, or other essential items. This system will streamline the process of reporting and recovering lost items, reducing stress and inconvenience for students. It empowers them to take control of their personal belongings and helps them avoid the expense and hassle of replacing lost items.

**Teachers**: Teachers are an integral part of the campus community, and they also stand to gain from this system. While the primary focus is on students, teachers can benefit from the same lost and found system. This means that teachers, too, can submit requests for missing items. They may misplace teaching materials, personal items, or equipment, and having access to this system simplifies the process of reclaiming their belongings. It enhances overall efficiency and convenience within the campus environment, making it more conducive for teaching and learning.

**Future Researchers**: The research conducted in this study holds the potential to open doors for future researchers in the field. This research will provide a foundation for further exploration of lost and found systems in campus settings. Future researchers can build upon this work, refining the existing processes and expanding the studies. They can investigate various aspects of lost and found procedures, including technological advancements, efficiency improvements, and the impact on campus communities. The findings from this study can serve as a valuable source of information and inspiration for those seeking to contribute to this area of research.

**Parents and Guardians**: Parents and guardians play a significant role in the lives of students, both financially and emotionally. Many parents financially support their children during their time in college or school. The lost and found system benefits parents and guardians indirectly by easing some of the burdens on their children. When students can easily reclaim their lost items, it reduces the need for additional financial assistance to replace those items. This system, therefore, contributes to the overall well-being of students and reduces the financial strain on their families. Moreover, parents and guardians can have peace of mind knowing that their children have access to such a helpful resource on campus, enhancing their overall educational experience and reducing unnecessary expenses.

**SCOPE AND LIMITATIONS**

The proposed system, "Lost & Found Locator," is designed to provide an efficient and user-friendly solution for reporting and recovering lost items within the campus community. It offers a centralized online platform accessible to students, teachers, and other campus stakeholders for the seamless management of lost and found items. This system's scope encompasses the following:

1. **User Accessibility**: The system will be accessible to students, teachers, and campus personnel, allowing them to report lost items, search for found items, and submit requests for item recovery.
2. **Lost Item Management**: Users can report lost items, providing detailed descriptions and tracking their status, making it easier to retrieve their belongings.
3. **Found Item Database**: The system will maintain a database of found items, making it simple for individuals to search and identify their lost items.
4. **Request Processing**: The system will facilitate the processing of requests for item recovery, ensuring a transparent and efficient process for users.

**LIMITATIONS**

While the Lost & Found Locator system offers a significant advantage in managing lost and found items on campus, there are certain limitations to consider:

1. Internet Connectivity: The system relies on internet connectivity, and it cannot be accessed if users are offline. This limitation may pose challenges in situations where internet access is unavailable.
2. Mobile Access: The system is primarily designed for desktop and laptop access. While it may be accessible on mobile devices, it may not offer the same level of user-friendliness or functionality on smaller screens.
3. Administrative Resources: The system's effectiveness depends on the availability and responsiveness of campus administrators who oversee the lost and found process. If there are delays or inadequacies in administrative support, it may affect the system's efficiency.
4. User Adoption: The successful implementation of the system relies on user adoption. If users are not adequately informed about the system or do not use it as intended, its effectiveness in managing lost and found items may be limited.
5. Data Security and Privacy: The system will need to address data security and privacy concerns, as it may contain personal information about users and details regarding lost items. Ensuring the protection of this data is a critical limitation to address.
6. Technical Issues: Like any online system, the Lost & Found Locator may experience technical issues, downtime, or maintenance periods that temporarily affect its accessibility and functionality.

Despite these limitations, the Lost & Found Locator system presents a valuable solution for enhancing the management of lost items on campus and offers a user-friendly approach to item recovery and reporting.