A SURVEY OF DONOR CONNECT ANDROID APPLICATION

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ABSTRACT

The Save Life app is a strong and user-friendly mobile platform created to eliminate barriers between givers and recipients and enable frictionless connections for the purpose of donations. Potential donors can browse through a variety of causes, campaigns, and donation possibilities with ease using the Save Life application. They can study the recipients' biographies in depth and learn about their unique needs. By bringing people who want to Together with those who are, change the world. in need, this app hopes to promote a culture of generosity and empathy. By offering a simple and effective platform for connecting donors, support philanthropic endeavors, and foster a feeling of neighborhood involvement. By connecting potential donors with receivers and blood banks, the Android app Donor and Receiver Connect significantly improves blood donation and philanthropic participation.

Research and literature on donor connection applications and their effects on blood donation and philanthropic endeavors are examined in this review of the literature. The survey attempts to understand the better, application's features, user experiences, and overall impact on blood donation rates and charitable activity through a thorough evaluation of research papers, publications, and other sources. The results of this survey will help to improve the user interface and functionality of the program, encouraging stronger connections between donors and receivers for life-saving donations.

KEYWORDS :- *Save life app, Philanthropy, Blood bank, Donor and Receiver Connect.*

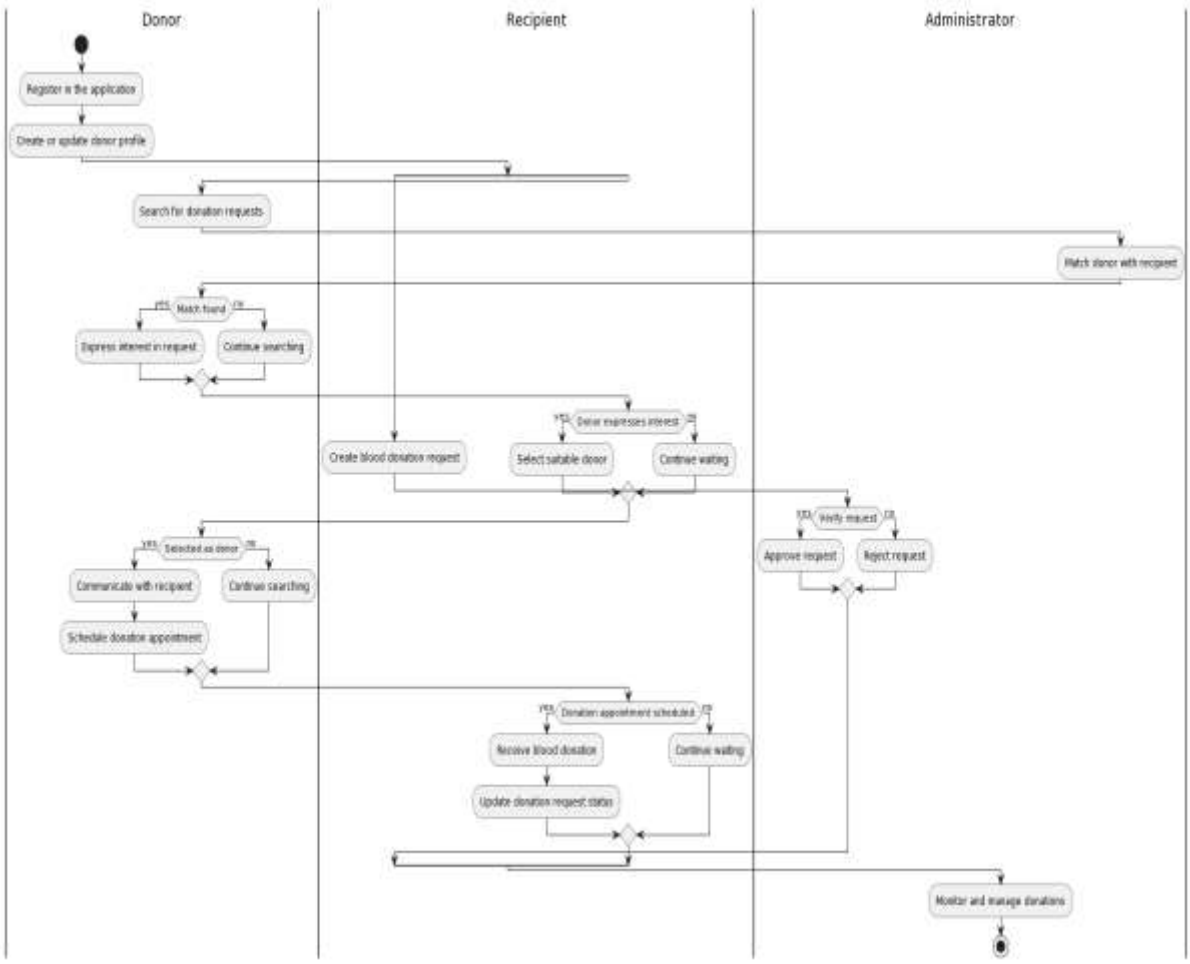
INTRODUCTION

An effective and user-friendly mobile platform, the Donor and Receiver Connect Android app aims to eliminate the distance between donors and recipients by enabling frictionless connections for the purpose of donations. This cutting-edge program aims to break down barriers and promote frictionless connections between individuals who want to change the world and those who are in need in order to encourage a culture of giving and empathy.

Philanthropic activities have grown more crucial in today's fast-paced society in solving many social concerns. However, conventional approaches to matching donors and recipients can entail time-consuming procedures and have restricted accessibility, which reduces the effectiveness of philanthropic donations. By providing a straightforward and efficient platform where potential contributors can easily browse through a wide variety of causes, campaigns, and giving opportunities, the Donor and Receiver Connect app aims to overcome these challenges.

We want to explore deeper into the functionality, user interface, and overall significance of the Donor and Receiver Connect Android application during this literature research. We aim to understand how this app dramatically enhances charitable giving and blood donation, ultimately encouraging good social change and fostering a deeper feeling of community involvement. To do this, we analyze the literature and that has already been conducted done. The review's conclusions will help to improve and optimize the app's features going forward, ensuring that it continues to be a powerful tool for matching donors and receivers for life-saving and significant donations.

SYSTEM ARCHITECTURE



EXISTING SYSTEM

Considering the manual nature of the current system, people must perform jobs by hand. This method necessitates the daily maintenance of a sizable number of records. Finding a precise blood group match between the donor and receiver in an emergency situation is extremely difficult. Blood transfusions may be delayed as a result, and major accidents may occur.

Problems with the Existing System

• Manual operations take a lot of time.

• For each contributor, numerous ledger records should be kept.

• Adopting automation and lowering reliance on manual data entry are the best ways to ensure error-free data.

• There are few data security precautions.

• There may be duplicate entries.

• Because of the emphasis on paper-based transactions, updating data is challenging.

• It is difficult to generate reports in the necessary format.

PROPOSED SYSTEM

The suggested system seeks to help the Blood Bank administrator by rapidly handling and fulfilling blood requests in order to effectively address the blood demand. It describes a methodical procedure for bridging the gap between blood banks, receivers, and donors. In order to ensure the prompt fulfillment of blood demand as asked by recipients or blood banks, this application will create a common platform for the three parties involved recipients, donors, and blood banks.

Advantages

Accessibility: This software offers an easy method for donors to get in touch with prospective recipients. Donors can easily use the application from any location at any time using their Android devices.

Streamlined Donation procedure: By giving contributors access to a single platform, Save Life streamlines the donation procedure. They can move through swiftly. several donation categories, view particular specifications, and choose the most appropriate recipients.

Enhanced Efficiency: Using the app, donors can locate recipients who are in need immediately, saving time and effort on the search for gift options. Donations are expediently delivered to their designated recipients because to this improved efficiency.

Increased Visibility: The application gives recipients a platform to communicate with potential donors and better understand their needs.

Effective Communication: The tool enables direct communication between donors and recipients, allowing them to go through particular needs, plan logistics, and address any issues. This improved communication streamlines the contribution process as a whole.

CONCLUSION

The Save Life app provides a platform for people and organizations to give and receive gifts, for the purpose of streamlining the process of matching donors with those in need. The software supports a variety of user each role has its own requirements and functions, including donors, recipients, blood banks, and administrators. Customers can sign up, log in, maintain their profiles, browse and search for donation possibilities, make secure donation transactions, and receive timely notifications about urgent appeals and campaign updates. Recipients can sign up, make profiles, manage donation campaigns, get alerts when new donations come in, and update recipients on the status of their campaigns. The roles of administrators include system configuration and maintenance, user administration, content management, analytics and reporting, security controls, and access control.

FUTURE ENHANCEMENT

The matching of donors and recipients will be done more skillfully using enhanced algorithms and artificial intelligence that take into account compatibility, medical needs, and other pertinent factors. Real-time relationships between donors and recipients will be made possible by advancing communication and networking technology. Allow the recipient to sign up for notifications when eligible donors in their area and blood group become available.

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