SOFTWARE REQUIREMENTS

Donation Management Software

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COMP 220-B: Software Engineering

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Introduction and Background of the project:

In recent years, there has been a growing trend of people wanting to donate to various organizations and causes. The lack of openness and authenticity in the donation process, however, is one of the biggest problems faced by donors. People frequently find themselves giving money to fictitious groups or people who represent themselves as activists for a cause. We are creating a donation management mobile app to address this problem by giving donors and NGOs a simple way to register, authenticate, and manage donations. A creative solution that makes use of technology to make it simple for people to donate to the organizations they want is the donation management mobile app. With the help of the app, users will have access to a safe and secure platform where they can donate any amount to the organization of their choice without having to question the legitimacy of the cause. Additionally, the app will make it possible for NGOs to register and manage donations efficiently and transparently.

Objectives:

1. To provide a user friendly and collective forum for regulated donation of money and goods.

2. Help local NGOs to gain more funds and be more active by providing a secure and trustworthy platform.

3. Provide users with information about authentic NGOs.

Major Requirements:

1. NGO and User registration and Verification/ Authentication.

2. Multiple payment gateway integration.

3. NGO management (contact information, get help, classification of NGO, Information about heads and certain staff members, Information about Multiple programs run by it e.g., animal rescue, free education, and flood relief).

4. Book a visit to an NGO.

5. Apply filters to get desired organizations (e.g.: near me filter to get a list of NGOs near the user).

6. Donation Tracking where users can track their donations and view the impact of their contributions.

Issues/Risks:

1. Security: To prevent unauthorized access, security is given top priority when managing sensitive donor and NGO data on a mobile device.

2. Authentication: It is difficult to verify the legitimacy of NGOs, necessitating the implementation of a trustworthy authentication mechanism.

3. Payment Gateway Integration: It can take a long time and requires careful attention to detail to integrate with a secure payment gateway.

4. It is important to address the risk that outdated NGO information could lead to inaccurate information and filter results.

Conclusion

The donation management mobile app is a much-needed solution that will provide a secure and transparent platform for donors and NGOs to manage donations. In conclusion, establishing a collective forum of regulated donation of money and goods can be an effective way to support a project or a cause by establishing a centralized platform, contributors may be helpful with ease and have faith that their contributions will be used wisely and openly.

Beyond just Raising funds, it can foster a sense of responsibility and openness while raising knowledge and support for the cause. Users can contribute to their preferred cause or project. It may find the donation procedure to be more approachable and convenient as a result.

With robust security measures and a user-friendly interface, the app has the potential to revolutionize the donation process and make a significant impact on the lives of people in need.