



De La Salle University - Manila  
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## **Donation Tracking App**

LBYCPA2 - EQ 8

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## **I. Introduction**

Transparent contribution management is not only a necessary in a country plagued by natural calamities; it is a lifeline. The Donation Tracker App emerges as a critical tool, leveraging technology to improve openness, accountability, and efficiency in the allocation and distribution of relief donations. This program solves the critical need for transparency and clarity in the philanthropic process by offering a dependable platform for tracking every donation received.

Because of the Philippines' vulnerability to natural disasters ranging from typhoons to earthquakes, the Donation Tracker App is more than just a digital tool. It is a ray of hope, guaranteeing that the generosity of donors is directly translated into concrete support for those in need. We hope that by using this program, we will not only streamline the donation management process, but also promote donor trust and confidence by demonstrating that their contributions are making a genuine difference.

## **II. Methodology**

### **Login class**

The Donation Tracker App's Login class handles user authentication and access management. It validates user credentials, allowing authorized individuals to safely log in. This class protects user data by ensuring its security and integrity and prevents unwanted access to sensitive information.

### **Data Tracking Class**

The DataTracking class is in charge of managing the app's fundamental functionality. Methods for registering new donations, identifying them with donors, categorizing gifts based on their purpose (e.g., disaster assistance, medical help), and tracking the overall amount received are included. This class is the application's heart, providing the correct and orderly logging of all donations.

### **Data storage**

The DataStorage class manages the application's data storage and retrieval. It use appropriate data structures (such as ArrayLists or HashMaps) to persistently store donors and contribution objects. This class can use file I/O operations to store data to a local database, ensuring that donation records are kept even if the program is closed and restarted.

### **Design class**

The Design class is in charge of the Donation Tracker App's user interface and user experience. It contains ways for creating a user-friendly graphical user interface (GUI) with Java Swing or JavaFX. The class creates interactive forms for user input, shows donation data, and allows you to examine specific contributors or donations. Aesthetically pleasant and user-friendly design aspects improve the application's overall usability.

### **III. Project Description**

The Donation Tracker App is a user-friendly digital solution developed to improve donation management, particularly in disaster-prone areas such as the Philippines. It offers a simple platform for tracking donations, ensuring that every contribution reaches the proper hands in a timely and transparent manner. Donors may quickly register their contributions, and relief groups can manage and distribute aid more efficiently. Our software intends to make a beneficial impact on disaster relief operations by simplifying the contribution process, increasing transparency, and enabling speedy responses during emergencies, giving much-needed support to communities in need.

## **VI. Conclusion**

Finally, the Donation Tracker App is a shining example of efficiency and transparency, ready to transform the way we approach disaster relief operations. This user-friendly solution ensures that every donation, regardless of amount, has a direct and significant impact on the lives of those affected by using the power of technology. We're not just making an app; we're instilling faith and confidence in humanitarian efforts through improved workflows and real-time tracking.

## **VII. References**

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