



iDonate

# **iDONATE**

## **BLOOD DONATION**

## **MANAGEMENT SYSTEM**

### **SAVING LIVES, ONE DONATION AT A TIME.**

Presented by Group 4



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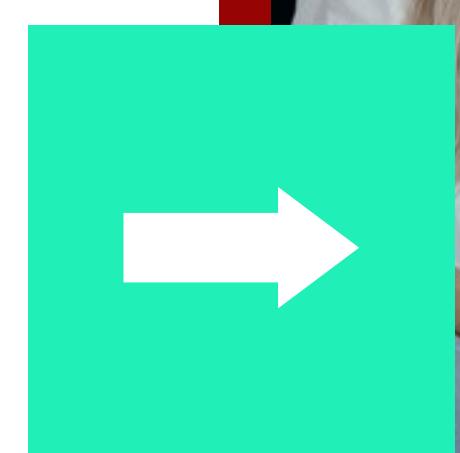
## BACKGROUND OF THE COMPANY

Founded in February 2024, **iDonate** is a pioneering platform designed to optimize blood donation processes. With intuitive registration features, it enables individuals to easily participate as potential donors or request blood, all while ensuring the utmost confidentiality of their information. The platform excels in efficiently managing user data, facilitating seamless matching with recipient needs, and enabling timely responses to donation requests.



## Description of the Company

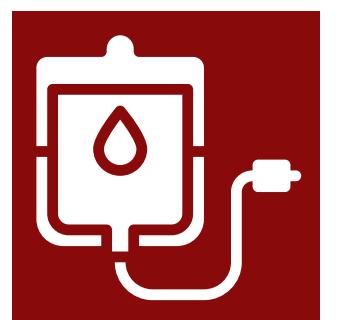
**iDonate** is an advanced platform streamlining blood donation. It offers user-friendly registration, efficient inventory management, and swift blood request coordination. With a focus on data security and optimization, **iDonate** empowers users to save lives and enhance healthcare outcomes



# Goals and Objectives



**Increase Donor Engagement**



**Optimize Inventory Utilization**



**Establish Strategic Partnerships**



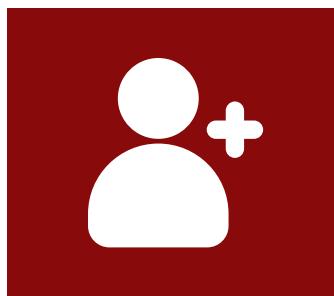
# Purpose of the System

The core purpose of **iDonate** is to streamline the blood donation experience through a centralized platform that seamlessly integrates donor registration, inventory management, and blood request coordination. By facilitating seamless communication and data management, **iDonate** strives to optimize blood supply chains, ultimately saving lives and improving healthcare outcomes.



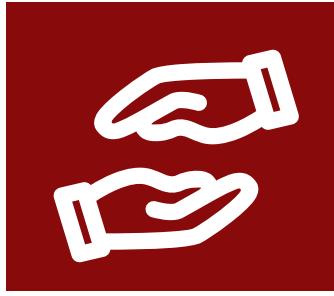
# DATA INPUTS

These are the data inputs for the iDonate system.



## Donor Registration

Includes user credentials and personal details for account creation.



## Donation Info

Records blood donation details such as date, donor info, and donation specifics.



## Request

Contains information on blood requests, including blood type, quantity, and the hospital name along with any additional instructions.



## Handed over

It includes the valuable information about transaction between the requester.



# DATA OUTPUTS

These are the data outputs for the iDonate system.



## Blood Inventory

Provides real-time information on blood types and quantities available.



## List of Registered Donors

Contains essential details of all users registered within the system.



## Total Donations

Contains information on blood donation, including blood type, quantity, etc.



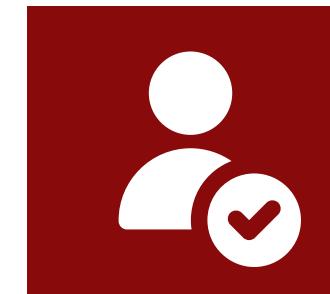
# DATA OUTPUTS

These are the data outputs for the iDonate system.



## Total Requests

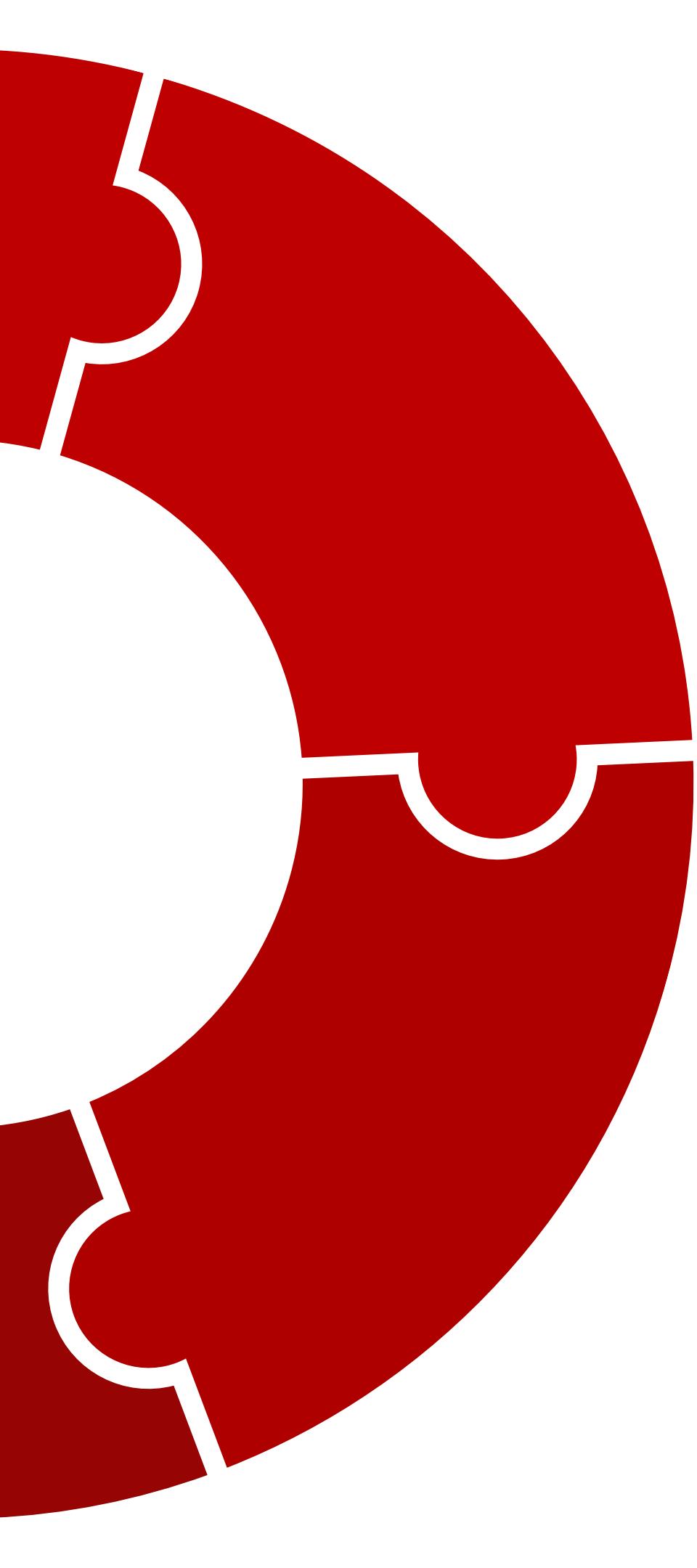
Contains information on overall blood request including blood type, quantity, and requester.



## Total Handover Request

Contains the information where all given or handed over blood requests are listed and managed.





# DATA HANDLING AND PROCEDURES

**iDonate** efficiently handles and processes data through a streamlined system.



## **Donor Registration:**

Captures and securely stores user credentials and personal details upon registration.



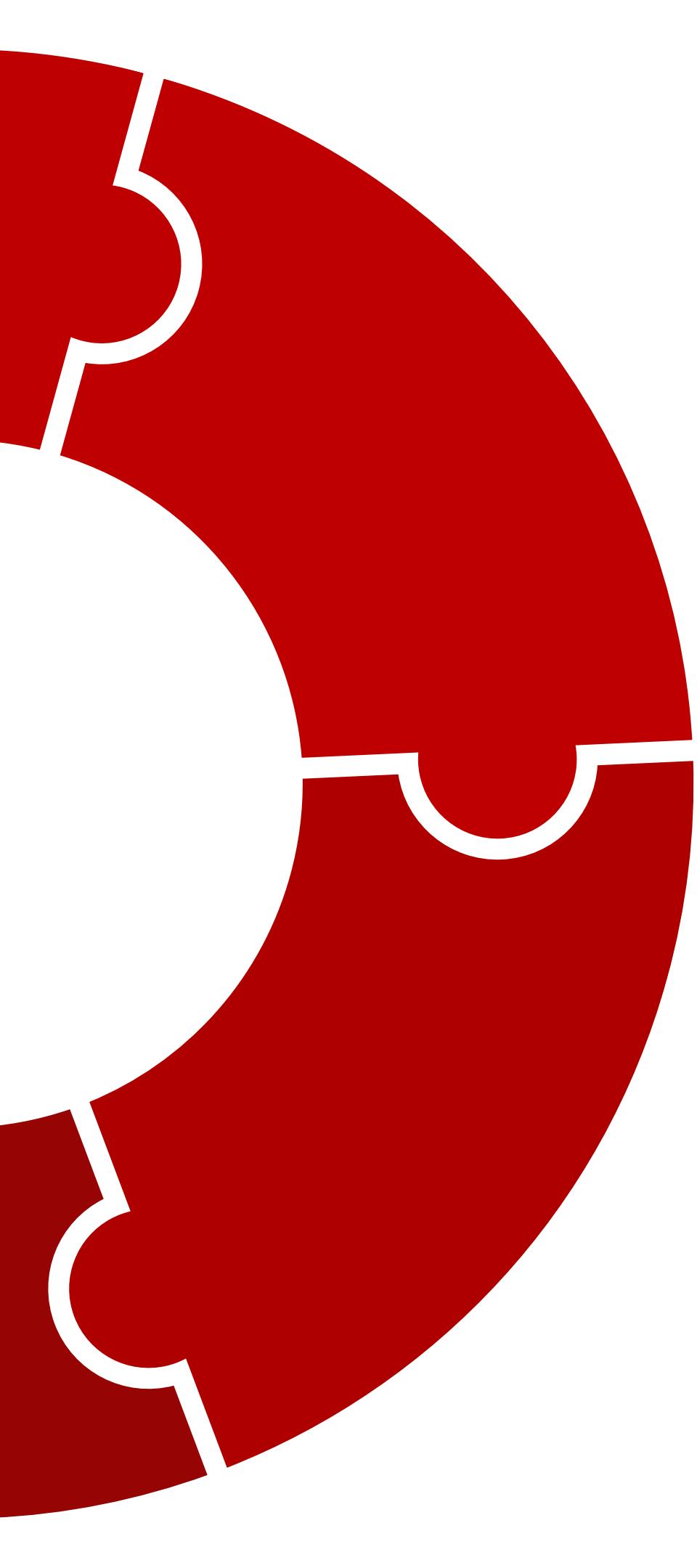
## **Blood Donation Info:**

Records and organizes donation specifics, including date, blood type, quantity, and other relevant details.



## **Requests:**

Manages blood requests by storing essential information such as blood type, requested quantity, and relevant details.



# DATA HANDLING AND PROCEDURES

**iDonate** efficiently handles and processes data through a streamlined system.



## **Handed Over:**

Tracks the seamless transfer of blood bags from successfully fulfilled requests, ensuring transparency and accountability.



## **Reports:**

Generates comprehensive reports, offering insights into the overall ecosystem of iDonate, including total donor registrations, donations, requests, and the total number of approved requests. This data aids in strategic decision-making and assessing the platform's impact on facilitating blood donation.

# GENERATED REPORTS

## Donations Summary

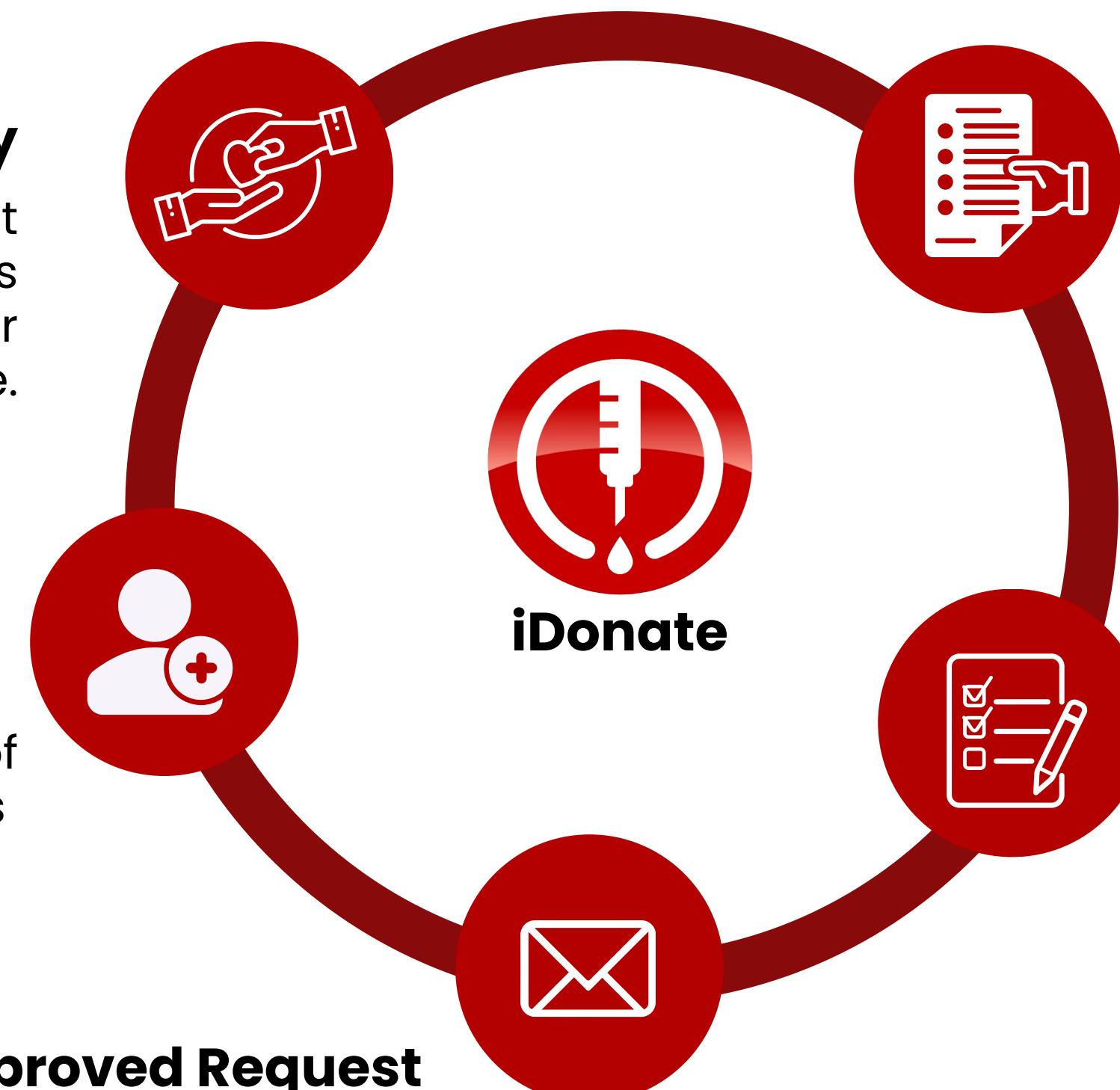
Displayed in a bar chart, it tracks the total donations acquired per month over time.

## Total Number of Donors

Tracks the total number of donors

## Total Approved Request

Tracks the total number successful request.



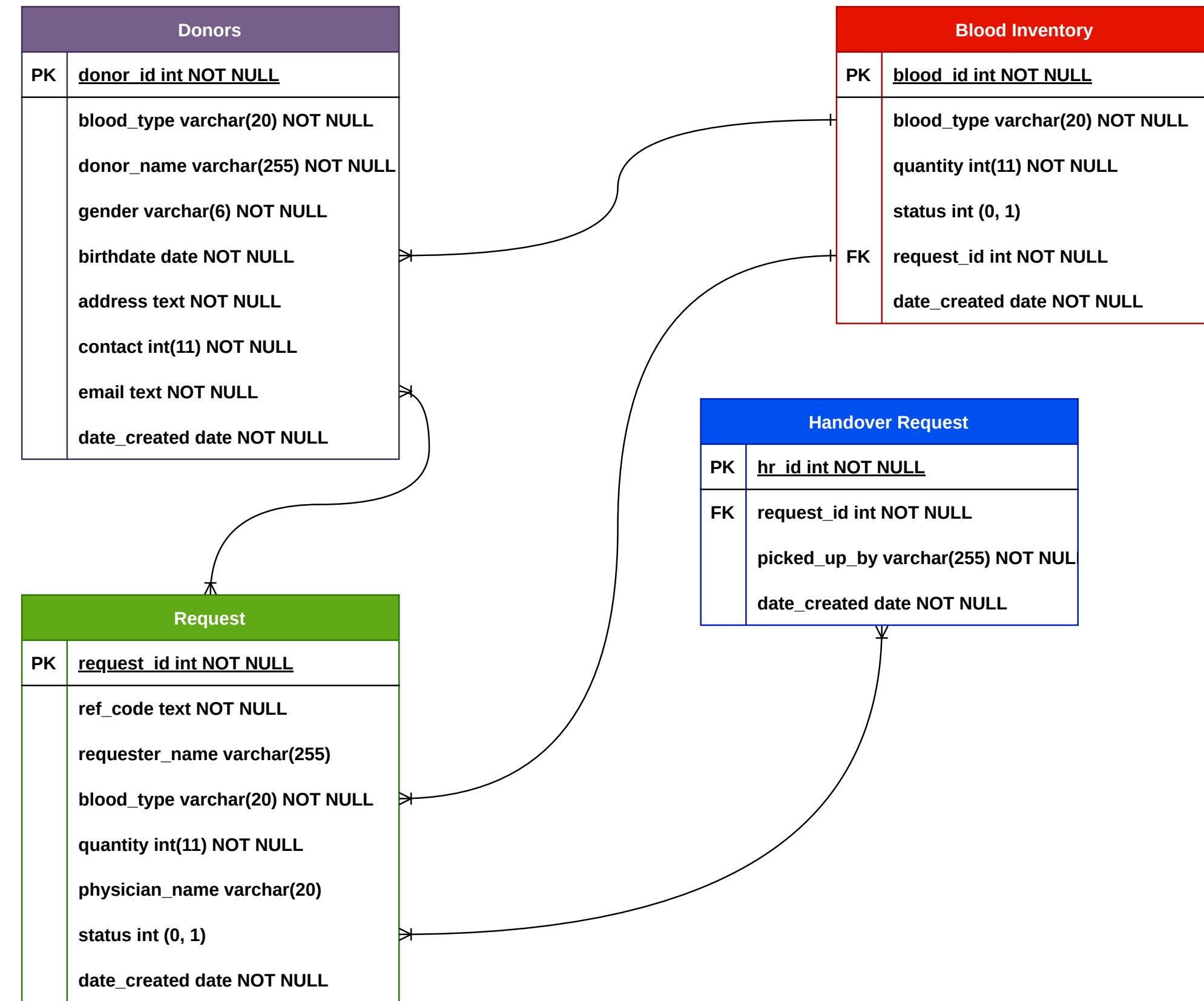
## Blood Inventory Stats

Displayed in a donut chart, it visually represents the proportions of the blood types (quantity per bag).

## Total Number of Donations

Tracks the total number of donations

# ENTITY RELATIONSHIP DIAGRAM





iDonate

**LET'S PROCEED  
TO THE DEMONSTRATION  
OF THE SYSTEM**

