# **Requirements Gathering**

## **1. Stakeholder Analysis**

Identifying key stakeholders and their needs in the "Nabd Al-Hayat" system:

* **Admin**: Responsible for managing the system, modifying donation activities, viewing reports, and ensuring platform integrity. The admin ensures that donation campaigns meet quality standards and are transparent to donors.
* **Donor**: Can register, log in, donate to available causes, and search for donation activities. Donors should have access to previous transactions and receive confirmation receipts.

## **2. User Stories & Use Cases**

### **Admin Use Cases**

* Manage donation activities (add, edit, or remove campaigns) to ensure the relevance and validity of causes.
* View and generate reports on donations and platform performance to analyze trends and effectiveness.
* Oversee security measures and user management to prevent fraud and unauthorized access.
* Monitor donation progress in real-time and send updates to encourage more contributions.

### **Donor Use Cases**

* Register and log in securely using an email and password authentication system.
* Browse and search for available donation activities by category, urgency, and location.
* Make donations through a secure payment gateway supporting multiple methods (credit card, bank transfer, mobile wallets).
* View donation history and track contributions with automated receipt generation.
* Receive notifications and updates about campaigns they have contributed to.

## **3. Functional Requirements**

* **Authentication & Authorization**: Secure login system allowing only admins and donors to access their respective functionalities with role-based access control.
* **Donation Management**: Admin can create, update, or remove donation campaigns, setting goals, deadlines, and descriptions.
* **Transaction Processing**: Secure handling of donation payments with confirmation receipts sent via email.
* **Search & Filtering**: Donors can search and filter donation activities by category, location, or urgency to find causes that match their preferences.
* **Reporting & Analytics**: Admins can generate reports on donations, donor activity, and financial records with graphical insights.
* **Notification System**: Automated emails or SMS updates to donors regarding the status of their donations and new campaigns.

## **4. Non-functional Requirements**

* **Security**: Implementation of secure authentication, encrypted transactions, and role-based access control to prevent unauthorized access.
* **Performance**: The system should handle concurrent donations and admin activities efficiently, ensuring smooth transactions.
* **Usability**: A simple and intuitive interface for both admins and donors, with accessibility considerations.
* **Scalability**: Ability to support a growing number of users and donation activities, ensuring the system remains responsive.
* **Reliability**: Ensuring 24/7 availability and minimal downtime for critical operations, with backup and recovery mechanisms in place.
* **Compliance**: Adhering to financial regulations and data protection laws to ensure user trust and legal compliance.

The system will focus on facilitating donations efficiently, with no direct involvement from beneficiaries. The priority is to maintain a smooth workflow for donors and provide robust management tools for admins.