# Charity Foundation Database Design Proposal

## Introduction

This document outlines a basic design for a database system suitable for a charity foundation. The purpose of this database is to manage information about beneficiaries, donors, donations, charity projects, and staff members.

## Entities and Fields

### Beneficiaries

* Beneficiary\_ID (Primary Key)
* First Name
* Last Name
* Contact Number
* Address
* Type of Need (e.g., Financial, Medical, Housing)

### Donors

* Donor\_ID (Primary Key)
* First Name
* Last Name / Organization Name
* Contact Number
* Email Address
* Total Donations

### Donations

* Donation\_ID (Primary Key)
* Donor\_ID (Foreign Key)
* Project\_ID (Foreign Key)
* Donation Amount
* Donation Date
* Donation Type (Cash, In-Kind)

### Projects

* Project\_ID (Primary Key)
* Project Name
* Description
* Start Date
* End Date
* Required Budget

### Staff

* - Staff\_ID (Primary Key)
* - First Name
* - Last Name
* - Role
* - Contact Number
* - Assigned Project

## Relationships Between Tables

The following relationships exist between the entities in this database design:

* - Each donor can make multiple donations → One-to-many relationship between Donors and Donations.
* - Each donation is related to one project → One-to-many relationship between Projects and Donations.
* - Each project may involve multiple beneficiaries → Many-to-many relationship between Projects and Beneficiaries.
* - Staff members may be assigned to one or more projects → One-to-many relationship between Staff and Projects.