# TERM PROJECT

# PHASE 1 SUBMISSION

# DATABASE-LAB



## GROUP MEMBERS

| NAME | REGISTRATION# |
| --- | --- |
| USMAN MAHMOOD | L1S19BSSE8001 |
| SYED ASJAD SOHAIL | L1S19BSSE8003 |
| GOHAR INAM | L1S19BSSE0022 |

**Faculty of Information Technology**

# University of Central Punjab

# PROJECT OVERVIEW:

This system is for Non-profit foundation named as "Alif Foundation" based in Lahore. The main purpose of this system is to collect the donations (from **donors**) via web and distribute it to the right people (**clients**) using this online system.

System might store data regarding the client (deserving people), admin/staff, and donors. This data include their *names, address, phone numbers, national id, and member_id*. Clients can create account with their personal data like *Name, Phone Number, National ID, Address, Family Members, & Income*. Once the account is created it will go for the approval to the admin. Once the admin will verify all the given details of the client it will approve the client account. Donors can also create their accounts and can donate their desired amount via using the payment gateway integrated in the website and in the same way the clients can get the donated amount after the admin approval. Clients can also post for the blood required with all the blood details like blood group and the donors can contact them if they have the required blood group (after registration). Clients can contact the admin/staff by sending them a message and the staff can reply back to the client. Donors can also ask for the help from the staff/admin by sending them a message.

# TABLES:

Tables that are required for the system:

- Alif Foundation
- Donors
- Clients
- Admin

- Donations
- Blood

# **RELATIONSHIPS:**

**Alif Fondation:**

Has one to many relation with Admin/Staff

Has one to many relation with Donors

Has one to many relation with Blood

Has one to many relation with Donations

**Donors:**

Has one to many relation with Alif Foundation

Has one to many relation with Blood Donation

**Clients/Needy People:**

Has many to many relation with donations

Has many to one relation with Admin/Staff

**Admin/Staff:**

Has many to one relation with Alif Foundation

Has one to many relation with Needy People

**Donations:**

Has many to many relation with Needy People

Has many to one relation with Alif Foundation

**Blood Donation:**

Has many to many relation with Donors

Has many to one relation with Blood donations

# **ATTRIBUTES:**

**Donor:**

- DonorID (Primary Key)
- National ID
- Name
- Phone Number
- Address
- Blood Group
- DOB
- Age

**Alif Foundation:**

- Fondation Serial Number (PK)
- Members
- Email
- Phone Number
- Address

**Admin/Staff:**

- Emp_ID (PK)
- Name
- Phone No

- Age

- DOB

**Needy People:**

- NP_ID (PK)

- Name

- Income

- National ID

- Address

- Age

- Family Member

- DOB

- Phone No

**Donations:**

- Transaction ID

- Donation ID (PK)

- Donation Type

- Amount

**Blood Donations:**

- Patient ID (PK)

- Blood Group

- Donor ID (FK)

# ER DIAGRAM: