System scenario

Donor: This entity stores information about the donor such as name, ID, mobile number, email, donation type.

Beneficiary: This entity stores information about the beneficiary such as beneficiary name ,ID , mobile number ,address ,and type of assistance

Social activities: This entity stores information about social activities such as activity type, number of participants, date, purpose of this activity, and which category it is directed to.
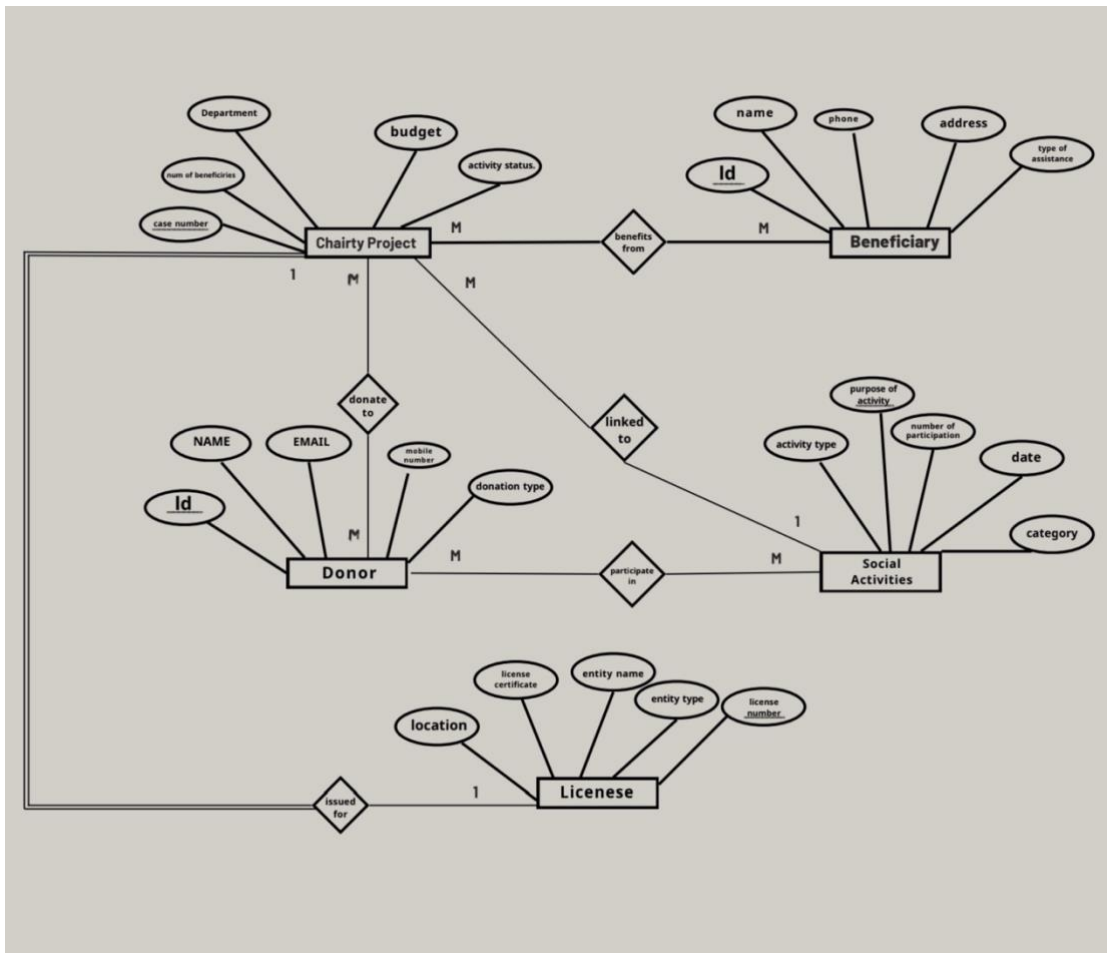
Charity projects: This entity stores information about projects such as case number, departments, budget, number of beneficiaries, and activity status.

Licenses: This entity stores licensing information such as license certificate, entity name, entity type, location, and license number.

The relationships

1- **A donor can donate to multiple charitable projects, and charitable projects can have multiple donors.**

2- **A beneficiary can benefit from multiple charitable projects, and charitable projects can receive multiple beneficiaries**

3- **A Social activity is linked to one or more charitable projects.**

4- **A The donor is involved in one or more social activities.**

5- **A The license is linked to one charitable project**

ER:Chen's notation

Chairty Project attributes: Department, budget, activity status, num of beneficiries, case number

Beneficiary attributes: name, phone, address, Id, type of assistance

Chairty Project M — benefits from — M **Beneficiary**

Donor attributes: NAME, EMAIL, mobile number, Id, donation type

Social Activities attributes: purpose of activity, activity type, number of participation, date, category

Chairty Project 1 ... M donate to M

Chairty Project M — linked to — 1 **Social Activities**

Donor M — participate in — M **Social Activities**

Licenese attributes: location, license certificate, entity name, entity type, license number

Licenese 1 — issued for

schema

chairty projects

case number	department	budget	activity status	num of beneficiries	purpouse of activity

denefits from

case number	id

beneficiary

id	name	Phone	address	type of assistance

social activities

activity type	purpouse of activity	number of participation	date	catagory

participate in

id	purpouse of activity

donor

Id	name	Mobile Number	donation type	Email

donated to

case number	id

license

license number	entity type	entuty name	location	Case number