

LINK LIFE

Linking One's Life To Others

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1. Introduction:

Every day, people of all ages and backgrounds become donors of organs, eyes, and tissues which will give the hope to the people who are in dire need of organ. On average, 20 people die every day from the lack of available organs for transplant. One deceased donor can save up to eight lives through organ donation and can save and enhance more than 100 lives through the lifesaving and healing gift of organ donation. The main aim of developing this application is to reduce the time to a great extent that is spent in searching for the right donor and the availability of the organ required.

In this project we provided 2 registrations, one for User/Donors and another for Hospitals.

After registration of donor he/she will get a mail of activation reassuring the person about registering. After the process of registration the person will log into the site in which it appears 2 option one is Donor and the other is recipient.

In this project donor has separate form after logging in. Donor's data stored in donor table and his data directly stored in hospital table also. After that there is a check-up request for the donor to check his medical condition to see if he/she is ready to donate. If not then it will give an alert message to the donor asking to seek medical tests in the other hand hospital will have the other login form to store the donor details and medical information. Common transplantations include kidneys, heart, liver, pancreas, intestines, lungs, bones, bone marrow, skin, and corneas. Some organs and tissues can be donated by living donors, such as a kidney or part of the liver, part of the pancreas, part of the lungs or part of the intestines, but most donations occur after the donor has died.

2. Project Objectives:

Existing System:

In the existing system there is no proper way to donate organs with in less time. We are unable to contact with donor in the right time, so that many people are losing their lives.

Proposed System:

The purpose of the system is to simplify and automate the process of searching the organ in case of emergency and maintain the records of organ donors, recipients & Hospitals. Using this application organ seeker can search for organ donors. This application can also be used by organ donor and seeker where person can register for organ donation.

3. Prerequisites:

- HTML, CSS, JAVASCRIPT, BOOTSTRAP
- Microsoft. Net Framework
- C# Programing language
- RDBMS Concept, SQL
- SQL Server, SQL server management Studio.
- ADO.Net, Entity Framework
- ASP.Net, ASP.Net MVC

4. Project Modules & Entities:

Donor:

If a person wants to donate his/her organ so he/she will registered in our app. After registration they fill the form and patient data which directly stores into the hospitals website.

Recipient:

If person wants an organ they will check first the list of donors and after that they will contact to that person.

Check-up:

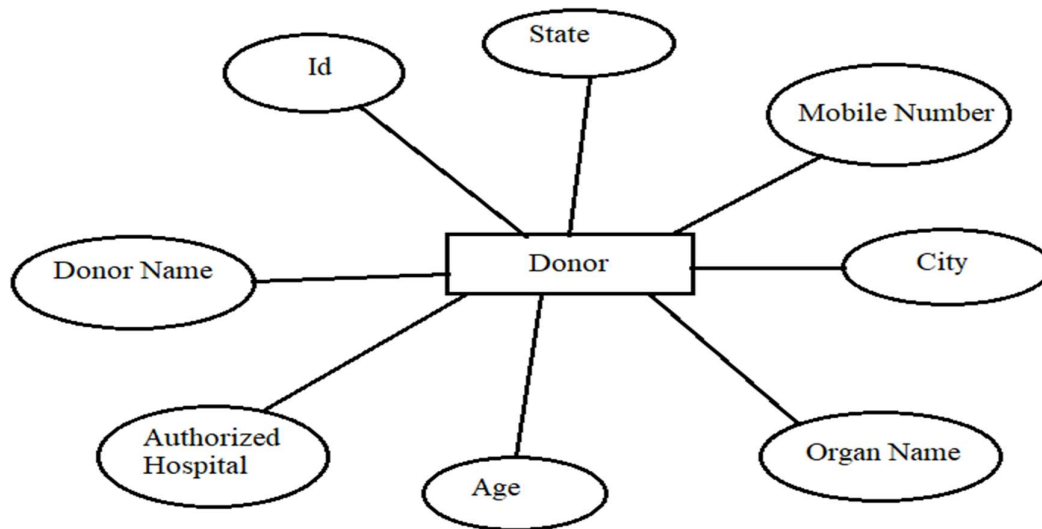
This is to check if the donor is ready for check-up if he/she is ready hospital gives an appointment for specific time and date.

Hospitals:

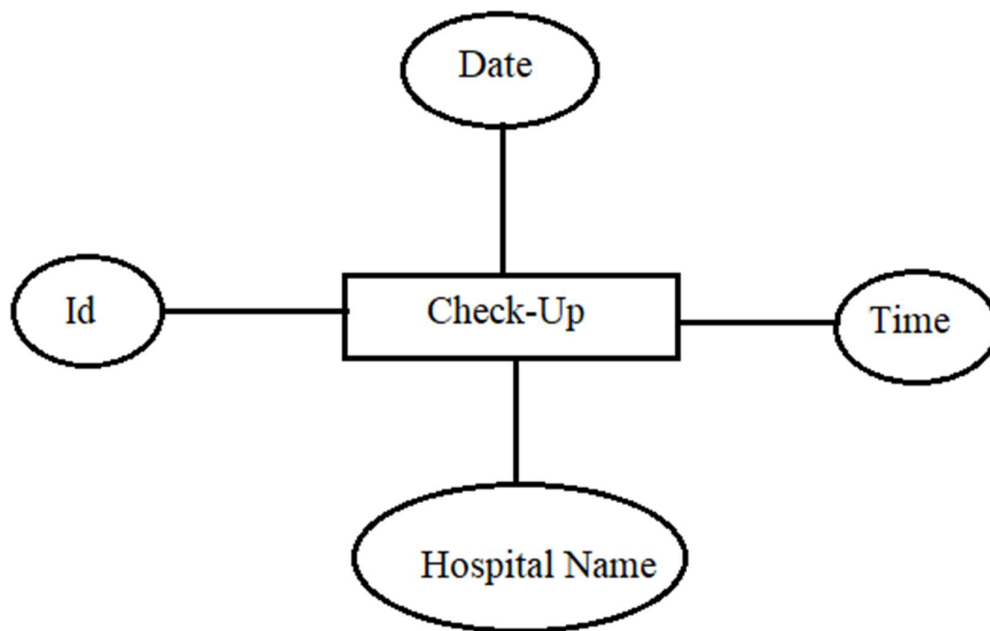
First hospitals will register in our app then after registration they get the list of donors, after approval by the hospital the donor data directly gets stored into the recipient's table.

5. Entity Diagrams:

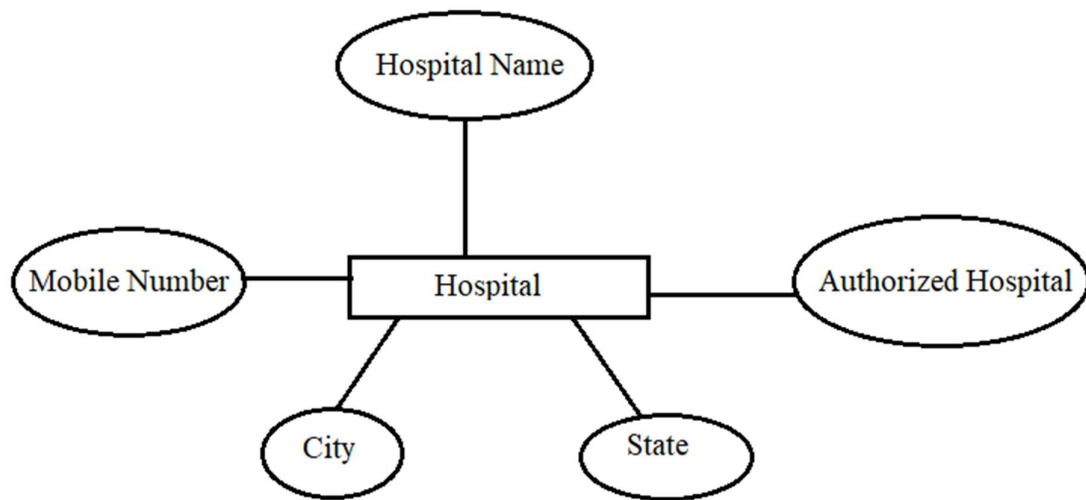
DONOR:



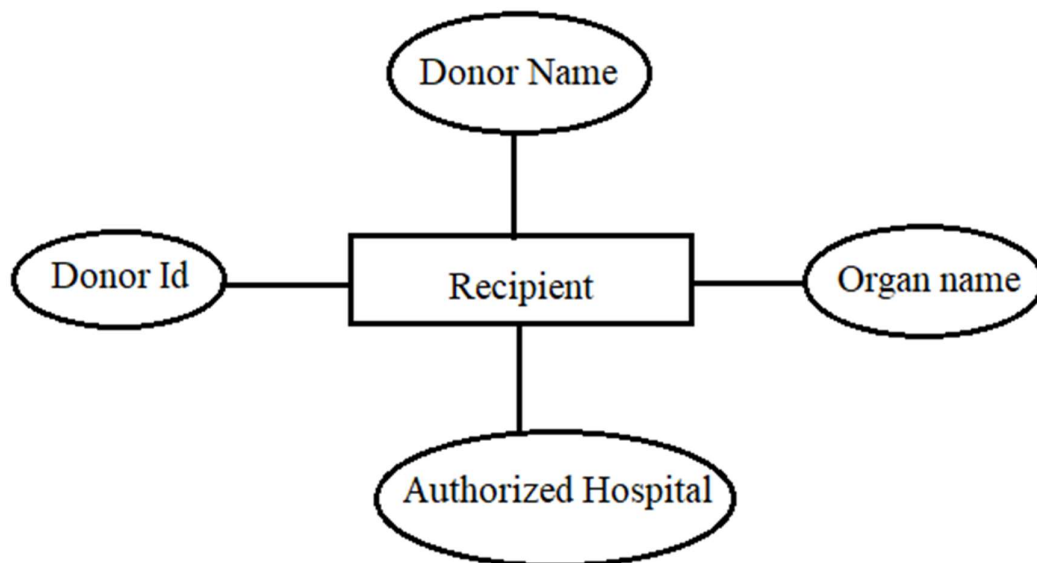
Registration:



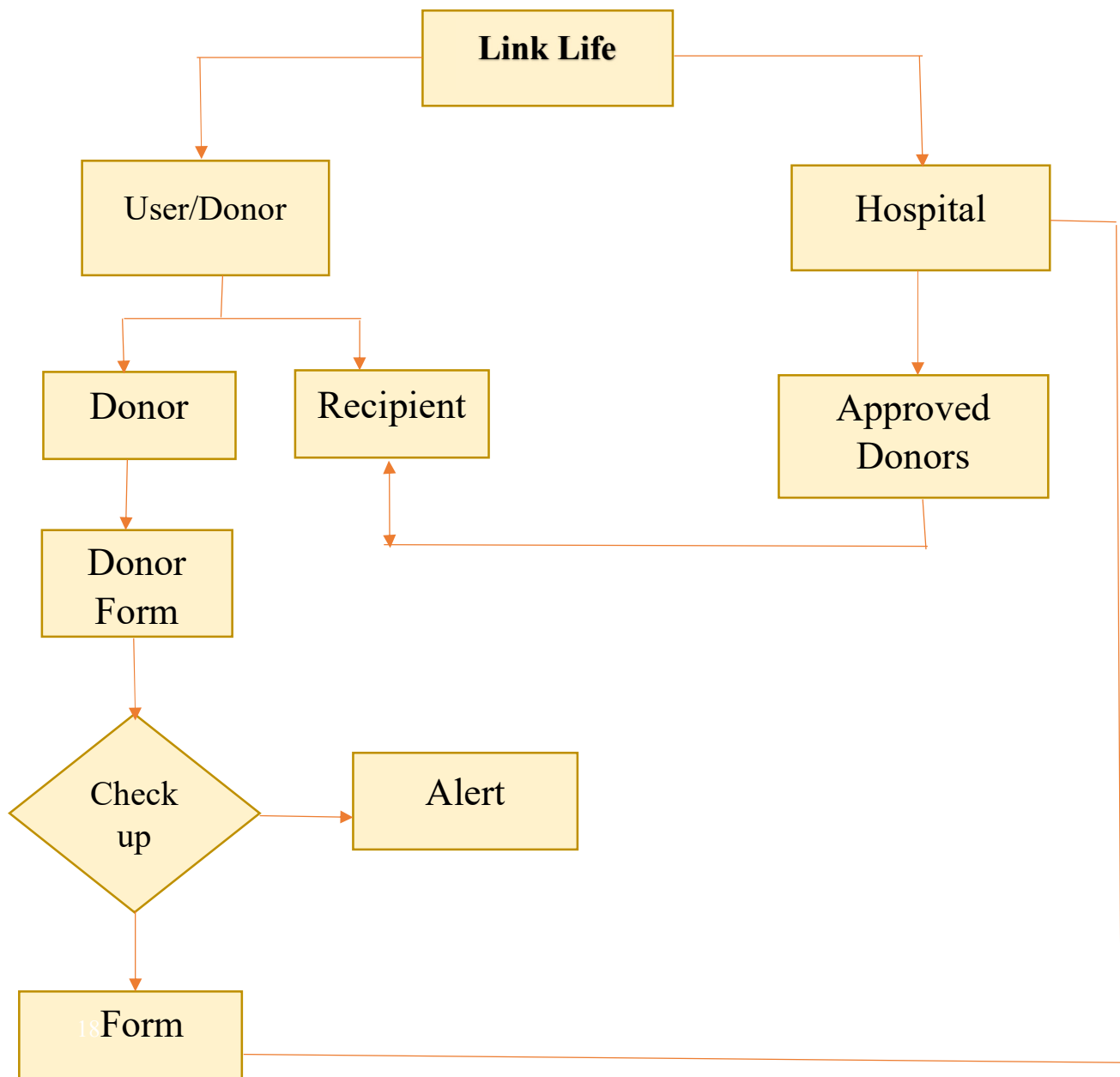
Hospital:



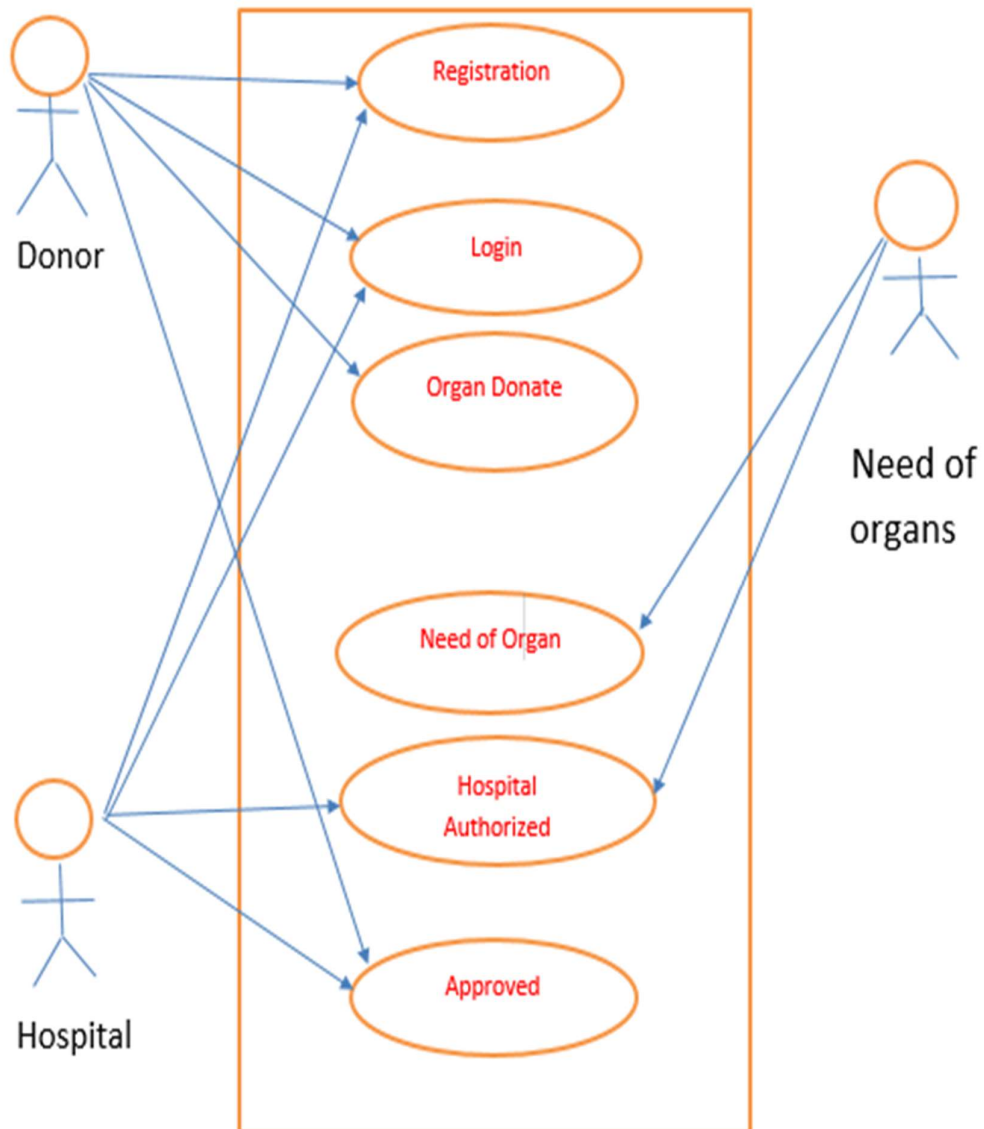
Recipient:



6. Software Design Architecture:



7. Use Case Diagram:



8. Software and Hardware Requirements:

1. Operating System: Windows 10
2. Integrated Development Environment: Visual Studio 2019
3. Database Management System: SQL Server Management System
4. Hardware: Minimum 4 GB RAM, 32 bit/ 64bit processor, 500 GB hard disk.

9. Database Tables:

Check-Up Table:

DESKTOP-NIK6QE4\...nor - dbo.CheckUp				DESKTOP-NIK6QE4\...dbo.Donc			
	Column Name	Data Type	Allow Nulls				
▶	Id	int	<input type="checkbox"/>				
	Email	varchar(100)	<input checked="" type="checkbox"/>				
	HospitalId	int	<input checked="" type="checkbox"/>				
	State	varchar(100)	<input checked="" type="checkbox"/>				
	City	varchar(100)	<input checked="" type="checkbox"/>				
			<input type="checkbox"/>				

Donor Table:

DESKTOP-NIK6QE4\...dbo.DonorDetails -> X			
	Column Name	Data Type	Allow Nulls
PK	DonorId	int	<input type="checkbox"/>
	DonorName	varchar(50)	<input type="checkbox"/>
	DonorAddress	varchar(MAX)	<input type="checkbox"/>
	DonorEmail	varchar(100)	<input checked="" type="checkbox"/>
	DonorMobile	varchar(50)	<input type="checkbox"/>
	DonorGender	varchar(20)	<input type="checkbox"/>
	OrganName	varchar(100)	<input type="checkbox"/>
	IsHospitalAuthorized	bit	<input checked="" type="checkbox"/>
			<input type="checkbox"/>

Reset Password Table:

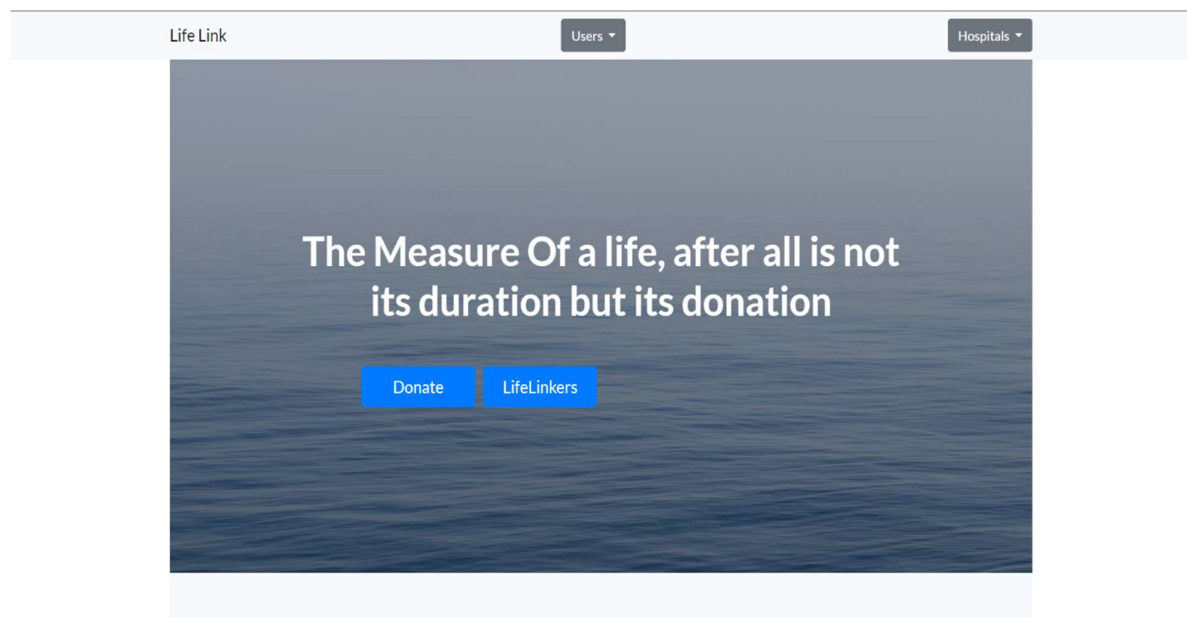
DESKTOP-NIK6QE4\...Donor - dbo.Users -> X SQLQuery2.sql - DE...IK6QE4\s			
	Column Name	Data Type	Allow Nulls
PK	UserID	int	<input type="checkbox"/>
	FirstName	varchar(50)	<input type="checkbox"/>
	LastName	varchar(50)	<input type="checkbox"/>
	EmailID	varchar(254)	<input type="checkbox"/>
	DateOfBirth	datetime	<input checked="" type="checkbox"/>
	Password	nvarchar(MAX)	<input type="checkbox"/>
	IsEmailVerified	bit	<input type="checkbox"/>
	ActivationCode	uniqueidentifier	<input type="checkbox"/>
	ResetPasswordCode	nvarchar(100)	<input checked="" type="checkbox"/>
			<input type="checkbox"/>

Hospitals Table:

DESKTOP-NIK6QE4\M...r - dbo.Hospitals			
DESKTOP-NIK6QE4\...Dono			
	Column Name	Data Type	Allow Nulls
🔑	HospitalID	int	<input type="checkbox"/>
	HospitalName	varchar(50)	<input type="checkbox"/>
	EmailID	varchar(254)	<input type="checkbox"/>
	Mobile	varchar(20)	<input type="checkbox"/>
	Location	varchar(50)	<input type="checkbox"/>
	Password	varchar(MAX)	<input type="checkbox"/>
	IsEmailVerified	bit	<input type="checkbox"/>
	ActivationCode	uniqueidentifier	<input checked="" type="checkbox"/>
	ResetPasswordCode	varchar(100)	<input checked="" type="checkbox"/>
	IsHospital	bit	<input checked="" type="checkbox"/>
			<input type="checkbox"/>

10. User Interface:

Home Page:



User Registration:

Life Link

Users

Hospitals

Registration

First Name

Last Name

Email ID

Date of birth

mm/dd/yyyy

Password

Confirm Password

SignUp

Already Registered User? [Login](#)

Donors List:

Life Link

Donors

CheckupUser

Show 10 entries

Search:

Donor Name	Donor Address	Donor Email	Donor Mobile	Donor Gender	Organ Name	IsHospitalAuthorized	
Saravanan	Madurai	saravansr98@gmail.com	8956254896	Male	Kidney	true	<div>EditDelete</div>

Showing 1 to 1 of 1 entries

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@

Successful Registration:

Life Link

Users ▾




Hospitals ▾

Registration

Success!Registration successfully done.Account activation link has been sent to your email id:saravanansr1998@gmail.com

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About Us:



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ABOUT US

LifeLink is an online website for Donating organs. This was started by a group of like-minded people. Daily lakhs of people are dying due to organ failure. Every day we can hear lots of heartwarming stories who tragically lost their lives finding the correct donor. We in LifeLink will restore the hope in people who need organs.






Our Mission

The mission of LinkLife is to ensure that every person who is suffering from end stage organ failure be provided with the "GIFT OF LIFE" through a life-saving organ with in the required time.

Our Vision

No more deaths due to organ failure, "HEALTHY COMMUNITIES, HEALTHY PEOPLE".

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11. Conclusion

This application is used by the people interested in donating their organs. It provides a way of communication between the hospitals and the organ donors.
Save life give hope.