LINK LIFE

Linking One's Life To Others

Project Abstract

Version 1.0

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1. Purpose of this document:

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 enrollment, one for User/Donors and another for Hospitals.

After enrollment of donor he/she will get a mail of activation reassuring the person about enrolling. After the process of enrollment 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 separated structure. 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. Business Case:

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 enroll for organ donation.

3. Appendices:

3.1. 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

3.2.Software and Hardware Requirements

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

3.3. Project Modules:

Donor:

If a person wants to donate his/her organ so he/she will enroll in our app. After enrollment they fill the details 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 enroll in our app then after enrollment they get the list of donors, after approval by the hospital the donor data directly gets stored into the recipient's table.

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