MEDONOR

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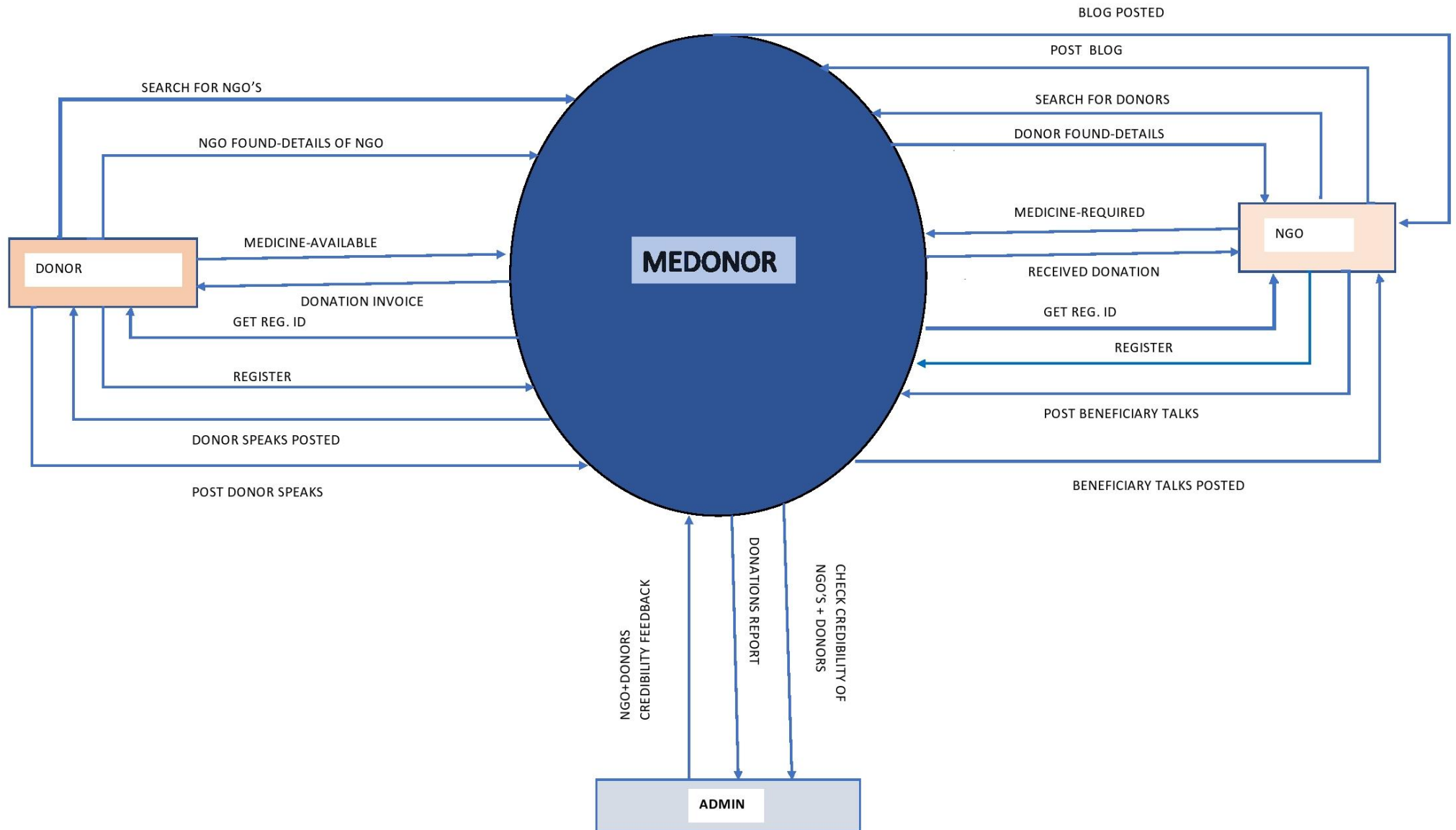   – Gursimran Kaur (19103100)

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About

- This project aims to counter problems faced by NGO(s) workers searching for particular medicines to distribute among needy people. The countless medication goes useless in medicine shops. It can be scaled down if notified to some organization that can cater a better purpose and provides it to people in need.

- To help shop vendors or anyone who wants to donate a particular medicine, they can familiarize the concerned organization they are willing to donate. For instance, people can register on the website and look for NGOs eager to use the medicines and reach underprivileged people.

- This project aims at reducing the gap between the people willing to help and the people searching for volunteers and aids in the needy times. It will provide a system for the best utilization of the resources. A thing discarded by someone comes to an ultimate use to others. It will help to escalate the involvement of more people in the NGOs as the task will be digitalized and effortless.

DATA FLOW DIAGRAMS

- Level – 0
- Level – 1
- Decision Tree

Level - 0

Level - 0

BLOG POSTED

POST BLOG

SEARCH FOR NGO'S

SEARCH FOR DONORS

NGO FOUND-DETAILS OF NGO

DONOR FOUND-DETAILS

MEDICINE-REQUIRED

MEDONOR

NGO

MEDICINE-AVAILABLE

DONOR

RECEIVED DONATION

DONATION INVOICE

GET REG. ID

GET REG. ID

REGISTER

REGISTER

POST BENEFICIARY TALKS

DONOR SPEAKS POSTED

POST DONOR SPEAKS

BENEFICIARY TALKS POSTED

NGO+DONORS CREDIBILITY FEEDBACK

DONATIONS REPORT

CHECK CREDIBILITY OF NGO'S + DONORS

ADMIN

Level - 1

Decision Tree

DATA DICTIONARY

- Processes
- Data Flow
- Data Structures
- Data Stores
- Data Elements

Processes

Process Name	1.0 Donor Management
Description	Donors details are received and a Registration ID is sent back to donor. Donors can also submit testimonials which will be displayed in 'Donor Speaks'. Donors can search for NGOs.
Inbound Data Flow	• Search for donor • Donor Speaks Post Content • Register • Retrieve Donor Details • Retrieve Donor Speak Details • Donor Speaks Display
Outbound Data Flow	• Get Donor Details • Donor Speak Post Confirmation • Get Registration ID • Donor Details (to Admin) • Add Donor Details • Donor's Testimonial

Process Name	2.0 Medicine Management
Description	NGOs can have access to the details of the medicines available as per their requirements. After the shipment confirmation, an invoice is sent to the donor and the medicine DB is updated. Admin receives a donation report.
Inbound Data Flow	• Post for medicines available • Available Medicine • Medicine Required • Medicine Received Confirmation
Outbound Data Flow	• Donation Invoice • Update Medicines Available • Send information of medicines available • Medicines • Donation Report

Process Name	3.0 NGO Management
Description	NGOs details are received and a Registration ID is sent back to NGOs. NGOs can also post on 'Beneficiary Talks'. NGOs can search for donors.
Inbound Data Flow	• Register • Post Blog • Post Beneficiary Talk • Search for NGOs • Beneficiary Talks Display • Retrieve NGO Details • Retrieve from NGO Blog • NGO Credibility Feedback
Outbound Data Flow	• Get Registration ID • Blog Post Confirmation • Beneficiary Talk Posted • Get NGO Details • Beneficiary Talk • Add NGO Details • Add on NGO Blog • NGO Details

Data Flow

Data Flow Name	Register
Description	Donor adds details in the registration form
From Process	
To Process	1.0 Donor Management System
Data Structure	Donor Registration

Data Flow Name	Get Registration ID
Description	Registration ID is generated
From Process	
To Process	1.0 Donor Management System
Data Structure	Registration ID

Data Flow Name	Add Donor Details
Description	Details from registration forms are added into the DB
From Process	1.0 Donor Management System
To Process	
Data Structure	Donor Registration

Data Flow Name	Retrieve Donor Details
Description	Details about the Donor are retrieved when required
From Process	
To Process	1.0 Donor Management System
Data Structure	Donor Registration

Data Flow

Data Flow Name	Donor Speak Post
Description	Donor sends a request to add his/her testimonial
From Process	
To Process	1.0 Donor Management System
Data Structure	Donor Speak Details

Data Flow Name	Donors' Testimonials
Description	Donors' testimonials are added to Donor Speak DB
From Process	1.0 Donor Management System
To Process	
Data Structure	Donor Speak Details

Data Flow Name	Donor Speak Display
Description	Testimonials are displayed on the website
From Process	
To Process	1.0 Donor Management System
Data Structure	Donor Speak Details

Data Flow Name	Donor Speak Post Confirmation
Description	After the testimonial is posted on website, the donor is sent a confirmation
From Process	1.0 Donor Management System
To Process	
Data Structure	Donor Speak Details

Data Flow

Data Flow Name	Search for Donors
Description	NGO can search for potential donors according to their requirements
From Process	
To Process	1.0 Donor Management System
Data Structure	Search criteria for donors

Data Flow Name	Get Donor Details
Description	NGOs receive a list potential donors after selecting various criterias
From Process	1.0 Donor Management System
To Process	
Data Structure	Search criteria for donors

Data Flow Name	Donor Details
Description	Admin access to the Donor details
From Process	1.0 Donor Management System
To Process	
Data Structure	Donor Registration

Data Flow Name	Post for medicines available
Description	Donor posts the medicines available
From Process	
To Process	2.0 Medicine Management System
Data Structure	Medicine details

Data Flow

Data Flow Name	Available medicines details
Description	Display of available medicines on website
From Process	
To Process	2.0 Medicine Management System
Data Structure	Medicine details

Data Flow Name	Send info. Of medicines available
Description	Available medicines details is sent to NGOs
From Process	2.0 Medicine Management System
To Process	
Data Structure	Medicine details

Data Flow Name	Update medicines available
Description	After any donation, the medicine DB is updated
From Process	2.0 Medicine Management System
To Process	
Data Structure	Medicine details

Data Flow Name	Available medicines details
Description	Donor sends a request to add his/her testimonial
From Process	
To Process	2.0 Medicine Management System
Data Structure	Donor Speak

Data Flow

Data Flow Name	Medicines
Description	Information of the medicine and donor is sent to NGO
From Process	2.0 Medicine Management System
To Process	
Data Structure	Donation report

Data Flow Name	Medicines received confirmation
Description	NGO send confirmation on receiving the donation
From Process	
To Process	2.0 Medicine Management System
Data Structure	Donation Report

Data Flow Name	Donation Invoice
Description	Donation invoice is sent to the donor
From Process	2.0 Medicine Management System
To Process	
Data Structure	Invoice

Data Flow Name	Donation Report
Description	Admin access to transactions between the donor and NGO is stored
From Process	2.0 Medicine Management System
To Process	
Data Structure	Donation Report

Data Flow

Data Flow Name	Register
Description	NGO enter details into the registration form
From Process	
To Process	3.0 NGO Management System
Data Structure	NGO details

Data Flow Name	Get Registration ID
Description	Registration ID is generated after credibility feedback
From Process	3.0 NGO Management System
To Process	
Data Structure	Registration ID

Data Flow Name	NGO details
Description	Admin access to NGO details
From Process	3.0 NGO Management System
To Process	
Data Structure	NGO details

Data Flow Name	NGO Credibility Feedback
Description	Authenticity of the NGO details is checked
From Process	
To Process	3.0 NGO Management System
Data Structure	NGO details

Data Flow

Data Flow Name	Add NGO details
Description	NGO details stored in NGO DB
From Process	3.0 NGO Management System
To Process	
Data Structure	NGO details

Data Flow Name	Retrieve NGO details
Description	NGO details retrieved from NGO DB
From Process	
To Process	3.0 NGO Management System
Data Structure	NGO details

Data Flow Name	Search for NGOs
Description	Donors search for NGO according to the medicine available
From Process	
To Process	3.0 NGO Management System
Data Structure	Search Criteria for NGOs

Data Flow Name	Get NGO details
Description	Donors receive a list of potential NGOs which can use the resources
From Process	3.0 NGO Management System
To Process	
Data Structure	Search Criteria for NGOs

Data Flow

Data Flow Name	Post Blog
Description	NGOs send content for blog post
From Process	
To Process	3.0 NGO Management System
Data Structure	Blog details

Data Flow Name	Blog Post Confirmation
Description	Blog content is accepted
From Process	3.0 NGO Management System
To Process	
Data Structure	Blog details

Data Flow Name	Add on NGO blog
Description	Blog content is stored in NGO blog DB
From Process	3.0 NGO Management System
To Process	
Data Structure	Blog details

Data Flow Name	Retrieve from NGO blog
Description	Blog content is posted on website
From Process	
To Process	3.0 NGO Management System
Data Structure	Blog details

Data Flow

Data Flow Name	Post Beneficiary Talk
Description	Testimonials from NGOs
From Process	
To Process	3.0 NGO Management System
Data Structure	Beneficiary Talk details

Data Flow Name	NGO Credibility Feedback
Description	Beneficiary Talk content is accepted
From Process	3.0 NGO Management System
To Process	
Data Structure	Beneficiary Talk details

Data Flow Name	Beneficiary Talk
Description	Beneficiary Talk content is stored in Beneficiary Talk DB
From Process	3.0 NGO Management System
To Process	
Data Structure	Beneficiary Talk details

Data Flow Name	NGO Credibility Feedback
Description	Beneficiary Talk content is displayed on website
From Process	
To Process	3.0 NGO Management System
Data Structure	Beneficiary Talk details

Data Structures

Donor Details

Description:
Name and contact details of the donor

Contents:
Name
Address
Email
Contact number
Password

Medicine Details

Description:
Name, expiry date and picture of the medicine

Contents:
Name
Expiry date
Picture

NGO Details

Description:
Name, address and ID of the NGO for verification

Contents:
Name
NGO ID
Address
Contact number
Password
Medicine required

Data Structures

Search Criteria for NGOs

Description:
The name, location, urgency for medicines on the basis of which a donor can search a NGO

Contents:
Name
Address
Urgency for medicines
Medicine needed

Search Criteria for Donors

Description:
The medicine put up for donation by the user and location of the user by which NGO's can search a donor

Contents:
Medicine put up
Address

Data Structures

Donor Speaks Details

Description:
The blog posted by the donor sharing their experience about donating medicines

Contents:
Name (Donor)
Blog by Donor

Blog details

Description:
The blog posted by the NGO telling about themselves and the work that they do

Contents:
Name (NGO)
Blog by NGO

Beneficiary Talks details

Description:
The blog posted by the NGO on behalf of the beneficiary sharing their experience and telling about how the donated medicine helped them

Contents:
Beneficiary name
Blog by beneficiary

Data Structures

Invoice

Description:
Invoice generated and sent to the donor after confirmation of order

Contents:
Name of donor
Name of NGO
Address of NGO
Medicine name
Date of donation
Time of donation

Donation report

Description:
Report of the donation sent to the admin

Contents:
Name of donor
Name of NGO
Address of NGO
Medicine name
Date of donation
Time of donation

Data Stores

Data Store	Medicines DB
Description:	Stores all the details of the medicines
Inbound data flows:	Update medicines
Outbound data flows:	Available medicines
Data Description:	Medicine name Donor name Expiry date Picture Invoice

Data Store	Donor DB
Description:	Stores all the details of the donor
Inbound data flows:	Add donor details
Outbound data flows:	Retrieve donor details
Data Description:	Name Address Email Contact number Medicine put up for donation Password

Data Stores

Data Store	Donor speaks DB
Description:	Stores the blogs put up by the donor and name of the donor
Inbound data flows:	Add donor speaks
Outbound data flows:	Retrieve donor speaks
Data Description:	Name Blog by the donor

Data Store	NGO DB
Description:	Stores all the details of the NGO
Inbound data flows:	Add NGO details
Outbound data flows:	Retrieve NGO details
Data Description:	Name NGO ID Address Contact number Password Medicine required

Data Stores

Data Store	NGO Blogs DB
Description:	Stores the blog written by the NGO telling about themselves and the work that they do and name of NGO
Inbound data flows:	Add NGO blog
Outbound data flows:	Retrieve NGO blog
Data Description:	Name Blog by NGO

Data Store	Beneficiary talks DB
Description:	Stores the blog written by the NGO on behalf of the beneficiary sharing their experience and telling about how the donated medicine helped them and name of beneficiary
Inbound data flows:	Add beneficiary talk
Outbound data flows:	Retrieve beneficiary talk
Data Description:	Beneficiary name Name (NGO) Blog by NGO on behalf of the beneficiary

Data Elements

Data Element	Name
Description	Name of the donor
Type	VARCHAR

Data Element	Address
Description	Address of the donor
Type	VARCHAR

Data Element	Email
Description	Email ID of the donor
Type	VARCHAR

Data Element	Contact number
Description	Contact number of the donor
Type	INT

Data Element	Password
Description	Password for login of donor
Type	VARCHAR

Data Elements

Data Element	Name
Description	Name of the NGO
Type	VARCHAR

Data Element	Address
Description	Address of the NGO
Type	VARCHAR

Data Element	NGO ID
Description	Authentication ID of the NGO
Type	VARCHAR

Data Element	Contact number
Description	Contact number of the NGO
Type	INT

Data Element	Password
Description	Password for login of donor
Type	VARCHAR

Data Element	Medicine required
Description	The medicine needed by the NGO
Type	VARCHAR

Data Elements

Data Element	Medicine name
Description	Name of the medicine uploaded
Type	VARCHAR

Data Element	Expiry date
Description	Expiry date of the medicine
Type	VARCHAR

Data Element	Invoice
Description	Invoice generated and given to donor after donation
Type	VARCHAR

Data Element	Beneficiary name
Description	Name of the person receiving the donated medicine
Type	VARCHAR

Data Elements

Data Element	Blog by donor
Description	The blog posted by the donor sharing their experience about donating medicines
Type	VARCHAR

Data Element	Blog by NGO
Description	Blog posted by the NGO telling about themselves and the work that they do
Type	VARCHAR

Data Element	Blog by NGO on behalf of beneficiary
Description	blog posted by the NGO on behalf of the beneficiary sharing their experience and telling about how the donated medicine helped them
Type	VARCHAR