

# DONATE CLUB

Donation Listing Platform  
For NGOs

# TEAM MEMBERS

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# Problem Statement

- Many people want to donate things and their time for a better cause and NGO's and other organizations need donations. But they often find difficulty finding each other. This is due to an absence of a centralized system connecting the two.



Shoes



Stationary



Bags



Clothes



Furnitures

## Donate Almost everything!

- DonateClub will provide a listing platform for donations and services, a marketing channel and an encouraging environment for more donations and help.

# How we support NGOs?

NGO's will be able to ADD PRODUCTS they need and people will be able to contact the NGO when they want to DONATE the same. And NGO's will be able to manage the inventory efficiently.



1. Register on our website



2. Enter information for validation



3. List the required products and services on the admin panel along with the quantity required.



4. Effectively add, update or delete the products/services listed.

# Other Ways To Donate

People will be able to LIST PRODUCTS that they want to donate and organizations and individuals can REQUEST to accept that donation.

## Register

Register on the website

## List

List products/services willing to provide but are not yet requested by any NGO

## Contact

Direct contact with NGO when request is received.

# Technologies used

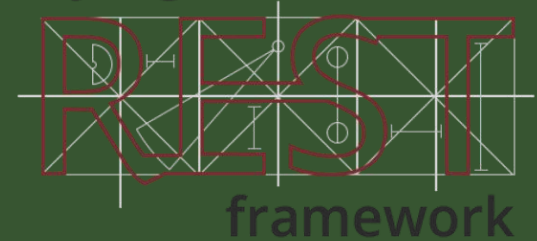
## Front-end



## Back-end

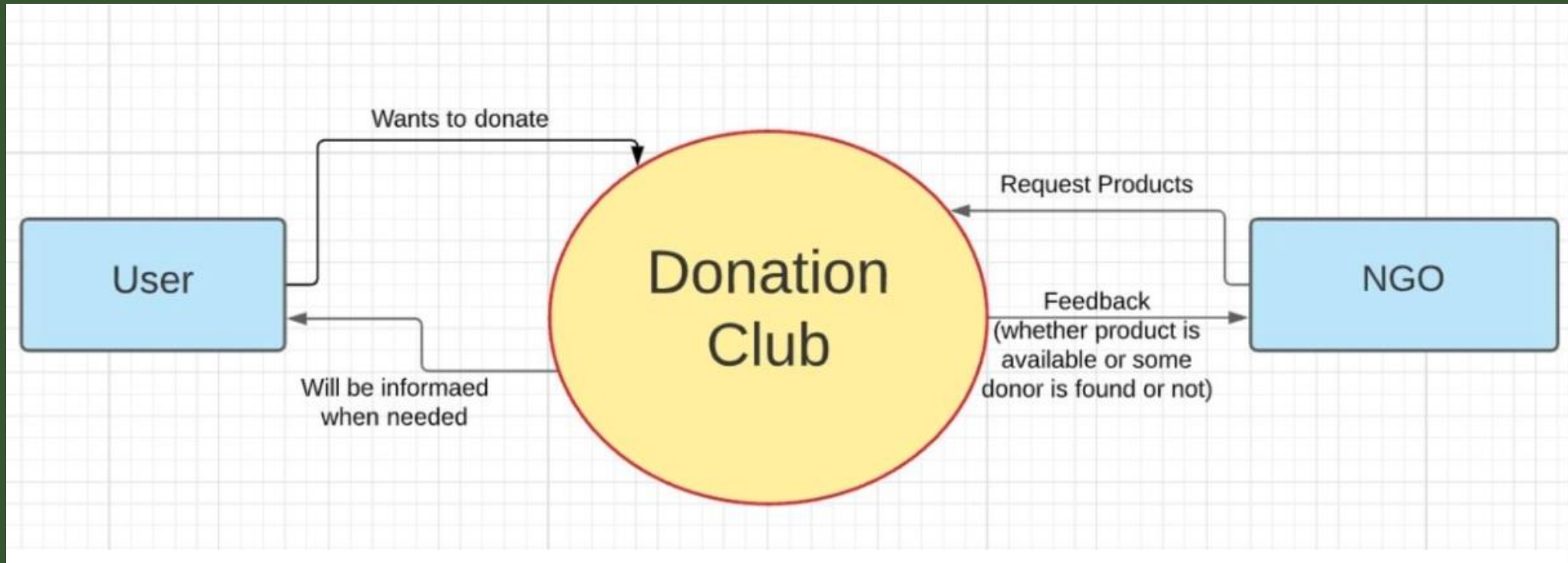


django



## Proposed Solution

- Our team has come up with an ONLINE PLATFORM that will help to connect the people who want to donate and NGO's who want their donations.

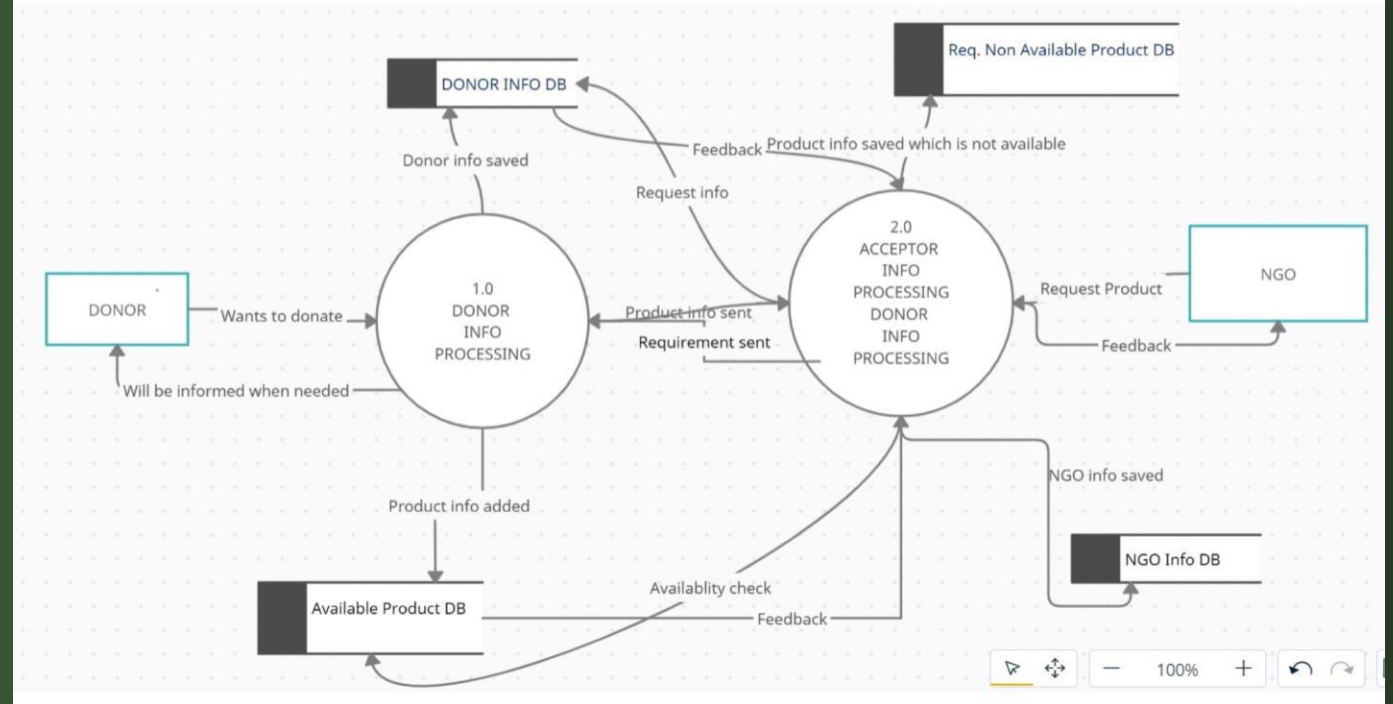




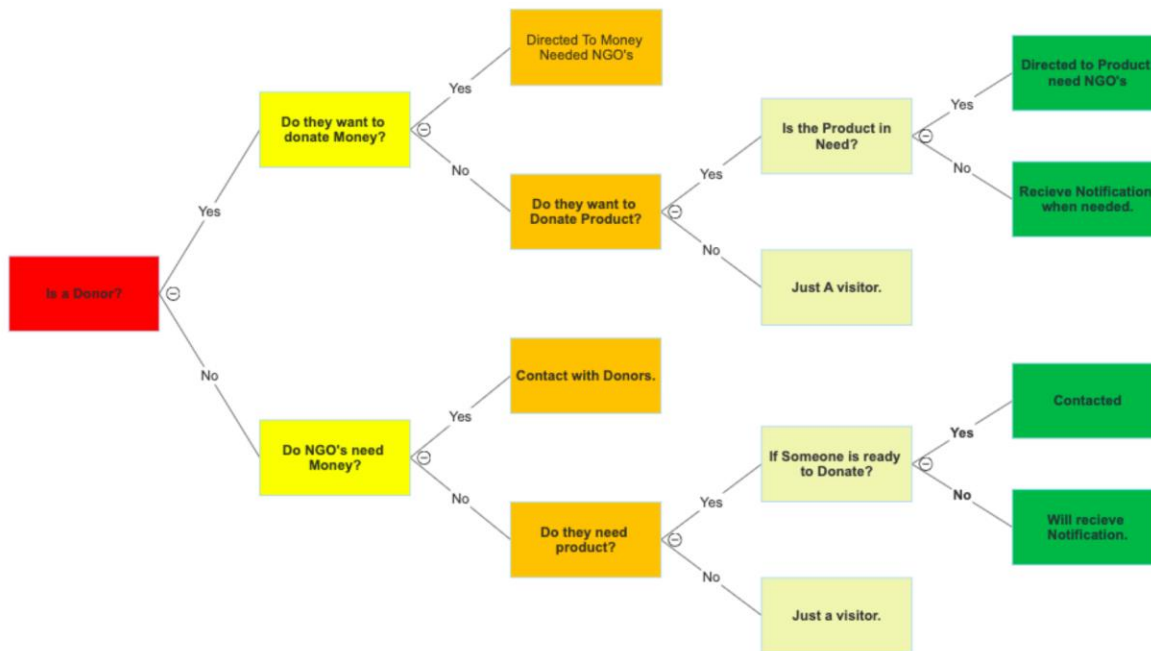
# DFD Level 1

- Users, NGOs both will have their own accounts on our platform and will be assigned respective permissions to request or donate products.

## LEVEL 1 DATA FLOW DIAGRAM:



## DECISION TREE:



# Decision Tree

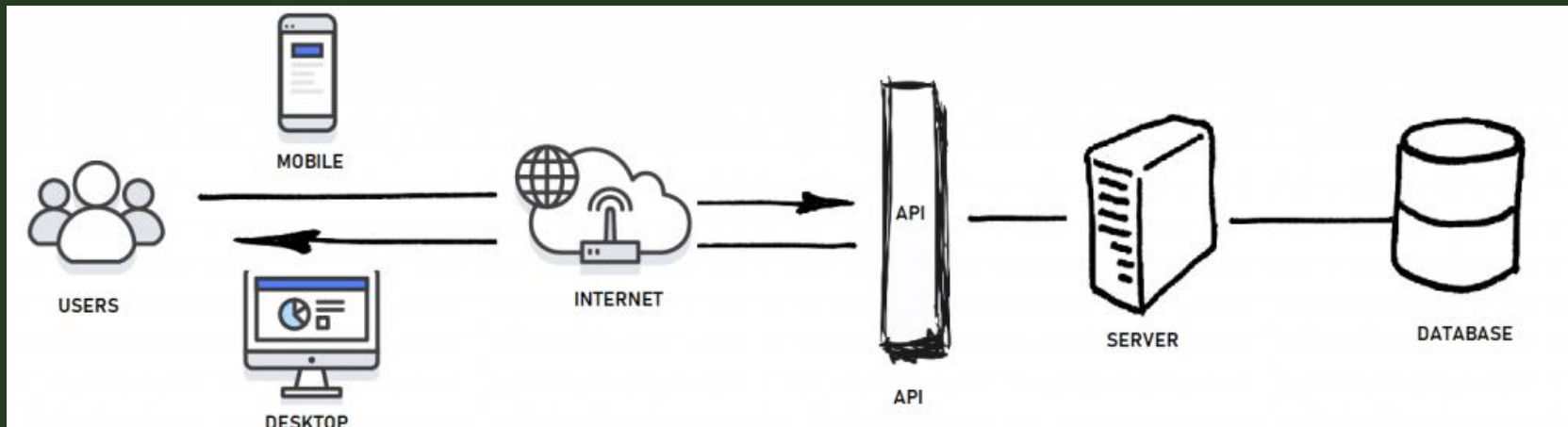
A single platform for all the needs of NGOs. Users can donate money, products or services

## Share Your Achievements and Experiences

- NGO's will be able to have a BLOG that can showcase what they have been doing and what are their plans for the future and this may act as their marketing channel.
- Users will be able to see all that is being said about us in the media, and how people are joining us in bringing about the change. They will stay in touch with the recent developments on project sites, events and success stories.



# Django Rest Framework



# All data structures with examples in JSON format

NGO

Django REST framework akshit ▾

Ngo List

OPTIONS GET ▾

GET /main/ngos/

HTTP 200 OK  
Allow: GET, POST, HEAD, OPTIONS  
Content-Type: application/json  
Vary: Accept

```
[
  {
    "pk": 2,
    "title": "Child In Need Institute",
    "rating": 5,
    "year_established": "2010-02-01",
    "description": "CINI, or the Child in Need Institute, often known internationally as Child in Need India, is an international humanitarian organisation aimed at providing relief to children in need.",
    "country": "India",
    "state": "West Bengal",
    "city": "Daulatpur",
    "pincode": "124563",
    "issue": 1,
    "phone_number": "+995599559",
    "email": "cini@cini.com"
  },
  {
    "pk": 3,
    "title": "CRY",
    "rating": 4,
    "year_established": "2002-06-04",
    "description": "Cry, one of the oldest and best NGO in India was founded by Rippan Kapur in 1979. He wanted to improve the situation of the underprivileged children.",
    "country": "India",
    "state": "Mumbai",
    "city": "Sane Guruji Marg",
    "pincode": "124363",
    "issue": 1,
    "phone_number": "+995599559",
    "email": "cry@cini.com"
  }
]
```

# Product

Django REST framework

akshit ▾

Product List

## Product List

OPTIONS

GET ▾

GET /main/products/

HTTP 200 OK

Allow: GET, POST, HEAD, OPTIONS

Content-Type: application/json

Vary: Accept

```
[
  {
    "pk": 4,
    "title": "Study Table",
    "description": "Support a cause with Donate Club. Fulfil the requirements of NGOs and help bring joy to those in need. The items you purchase directly reach them to",
    "deadline": "2021-04-30",
    "required": 3,
    "donated": 1,
    "issue": 1,
    "ngo": 2,
    "image": null,
    "owner": "akshit"
  },
  {
    "pk": 5,
    "title": "Clothes",
    "description": "Support a cause with Donate Club. Fulfil the requirements of NGOs and help bring joy to those in need. The items you purchase directly reach them to",
    "deadline": "2021-04-22",
    "required": 5,
    "donated": 2,
    "issue": 1,
    "ngo": 3,
    "image": "http://127.0.0.1:8000/media/photos/None/clothes.png",
    "owner": "akshit"
  }
]
```

# Blog Page

## Blogs List

[OPTIONS](#)[GET](#) ▾

GET /main/blogs/

HTTP 200 OK  
Allow: GET, POST, HEAD, OPTIONS  
Content-Type: application/json  
Vary: Accept

```
[
  {
    "pk": 1,
    "title": "Hey",
    "date_published": "2021-04-27",
    "date_edited": "2021-04-27",
    "body": "Hello World",
    "ngo": 1,
    "issue": 1
  },
  {
    "pk": 2,
    "title": "hey",
    "date_published": "2021-04-27",
    "date_edited": "2021-04-27",
    "body": "hey",
    "ngo": 1,
    "issue": 1
  },
]
```

# Badges and Donations

- Users will have BADGES for their donations and each of them will have a profile page SHOWCASING their donations.





# Django Admin Panel



# Data Dictionary

The background features a large, dark green circle on the left side. Scattered across the right side of the image are several light blue, pill-shaped or capsule-shaped elements, some of which appear to be floating or falling from the dark green area.

# Processes

Serial Number	Process	Description	Inbound Data Flows	Outbound Data Flows
1.	Donor Info Processing	Saves information of new users and requests products from users.	1.user information. 2.quantity of product users want to donate. 3.Product requested by NGO	Product quantity
2.	Acceptor Info Processing	Saves information of new NGOs and passes products to users from NGO.	1. NGO information. 2.Product quantity sent by user.	Product information requested by NGO

# Data Flow

Serial Number	Data Flow Name	Description	From Process	To Process	Data Structure
1.	Donor info saved.	Saves information if the user is not registered on the website.	Donor info processing		User_details
2.	NGO info saved.	Saves information if an NGO is not registered on a website.	Acceptor info processing		NGO_details
3.	Request Product	NGO requests for products.		Acceptor info processing	Product_details
4.	Requirement sent.	Product request is further sent to processes	Acceptor info processing	Donor info processing	Product_details

# Data Flow Cont.

5.	Availability check	Checks if product is already donated by some user or not.	Donor info processing		Product_details
6.	Feedback (if product is available)	If a product is already donated and available, then this feedback is sent.		Acceptor info processing	Product_details
7.	Requested product sent to users.	If a product is not present in the available list of products, then this information is sent to registered users.	Donor info processing		Product_details
8.	Wants to donate	User information is sent who wants to donate		Donor info processing	Product_details

# Data Flow Cont.

9.	Feedback	Feedback is sent to an intermediate process that some user is found who wants to donate.	Donor info processing	Acceptor info processing	Product_details
10.	Feedback (to NGO)	Feedback is further sent to the NGO that some user is found who wants to donate and his/her information is sent.	Acceptor info processing		Product_details
11.	Confirm donation	The NGO sends confirmation to the user that he can donate and tells the date and time to donate the required product.	Acceptor info processing	Donor info processing	Donation

# Data Stores

## Issue

Serial Number	Attribute	Description	Key type	Data type	Length
1.	Issue_id	Issue Number	Primary	INT	4
2.	Name	Issue Name		TEXT	64
3.	Description	Detail of Issue		TEXT	1024

# NGO\_details

Serial Number	Attribute	Description	Key type	Data type	Length
1.	NGO_id	NGO Number	Primary	INT	4
2.	Password	Password		TEXT	64
3.	Title	Title Name		TEXT	128
4.	Image	Logo of NGO		File	
5.	Rating	Rating of NGO		INT	4
6.	Year-established	Year-established		INT	4
7.	Description	Description of NGO		TEXT	1024
8.	Country	Country Name		TEXT	64
9.	State	State Name		TEXT	64
10.	City	City Name		TEXT	64
11.	Pincode	Pincode		TEXT	64

12.	Phone Number	Phone Number		TEXT	64
13.	Email	Email		TEXT	64
14.	Website	Website		TEXT	64



# User\_details

Serial Number	Attribute	Description	Key type	Data type	Length
1.	User_id	User Number	Primary	INT	4
2.	Password	Password		TEXT	64
3.	Full Name	Full Name		TEXT	128
4.	Image	User Image		File	
5.	Country	Country Name		TEXT	64

6.	State	State Name		TEXT	64
7.	City	City Name		TEXT	64
8.	Phone Number	Phone Number		TEXT	64
9.	Email	Email		TEXT	64

# Product\_details

Serial Number	Attribute	Description	Key type	Data type	Length
1.	Product_id	Product Number	Primary	INT	4
2.	User_id	User number	Foreign	TEXT	64
3.	Title	Title		TEXT	128

4.	Image	Product image		File	
5.	Description	Description		TEXT	1024
6.	Deadline	Deadline		Date/time	
7.	Quantity	Quantity		INT	4
8.	Donated	Donated		INT	4

# Donation

Serial Number	Attribute	Description	Key type	Data type	Length
1.	Product_id	Product Num	Foreign	INT	4
2.	User_id	User Num	Foreign	INT	4
3.	Amount			INT	4
4.	Date	Date of donation		Date/time	

# Contact Us

Serial Number	Attribute	Description	Key type	Data type	Length
1.	Name	Person name		TEXT	128
2.	Email	Person email		TEXT	128
3.	Subject	Person subject		TEXT	128
4.	Message	Person Message		TEXT	1024



## Installation

- Clone to your local repo –  
`git clone https://github.com/donateclub/donateclub-server.git`
- Install dependencies - **pip install -r requirements.txt**
- Virtual Environment setup –  
**env\Scripts\activate**