



## *Department of Computer Science & Engineering*

**Course Title** – Software Development

**Course Code** – CSE 410

**Section** – B2

**Documentation of:**

*Helpseekers-a blockchain based crowdfunding dapp.*

**Date of Submission** – November 01, 2023

**Submitted by:**

Md. Enan Al Harun (20101095)

Md. Asadujjaman Noor (20101101)

Sheikh Nafez Sadnan (20101106)

**Submitted to:**

Muhtasim Noor Alif

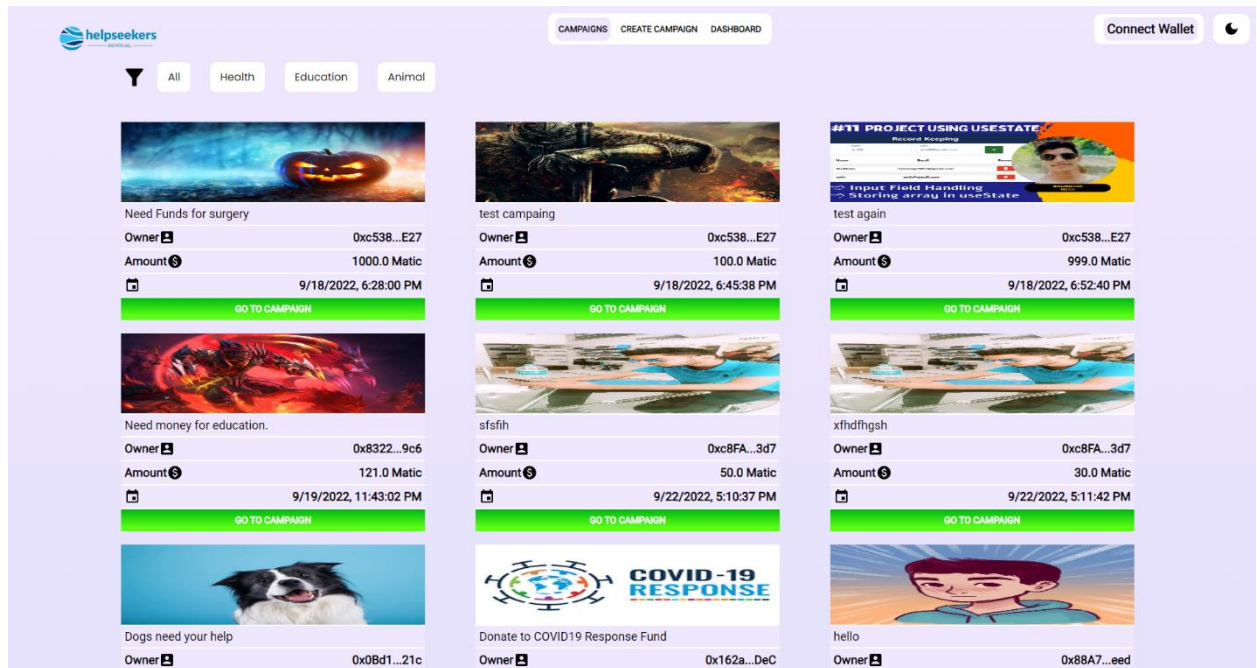
Lecturer

Department of CSE

# Helpseekers

Helpseekers is a web3-based crowd funding dapp. Users can contribute to several fundraising opportunities and publish own fundraising campaigns through this dapp.

1. **Campaign Page:** This is the homepage of our dapp.

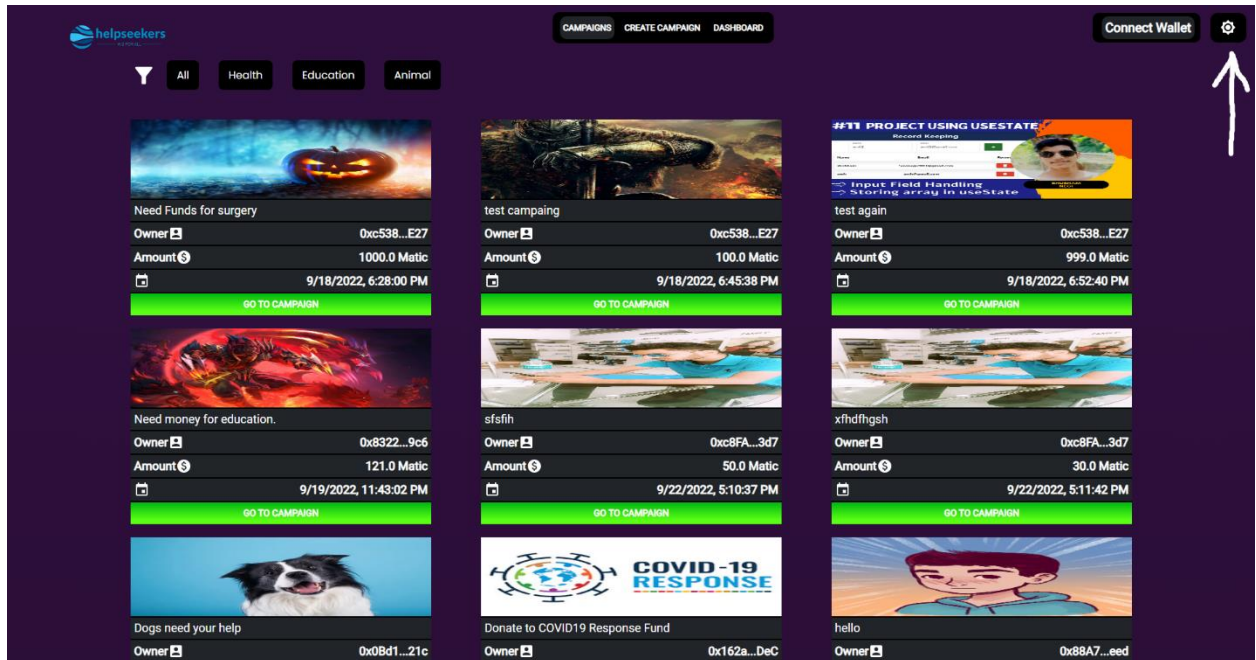


There are three types of campaigns that can be published:

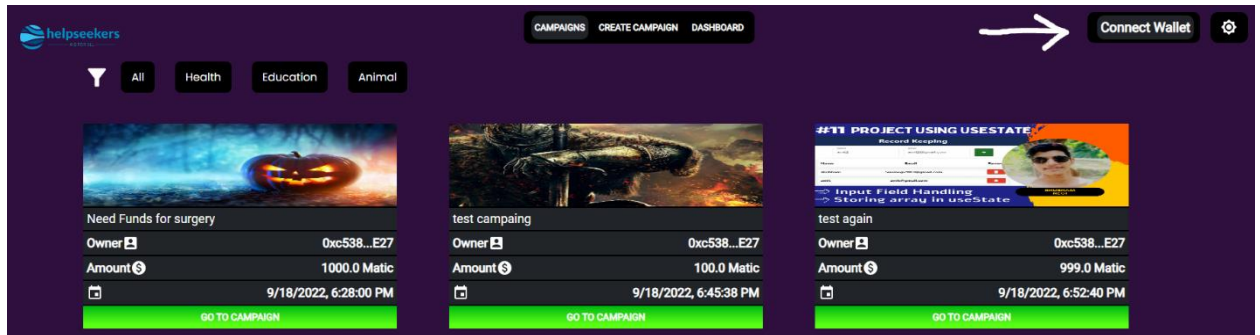
1. Health
2. Education
3. Animal

All types of campaigns can be found by clicking on the all option.

2. **Light Mode/ Dark Mode:** User can opt for dark mode or light mode depending on their preference by clicking the dark mode/light mode icon.



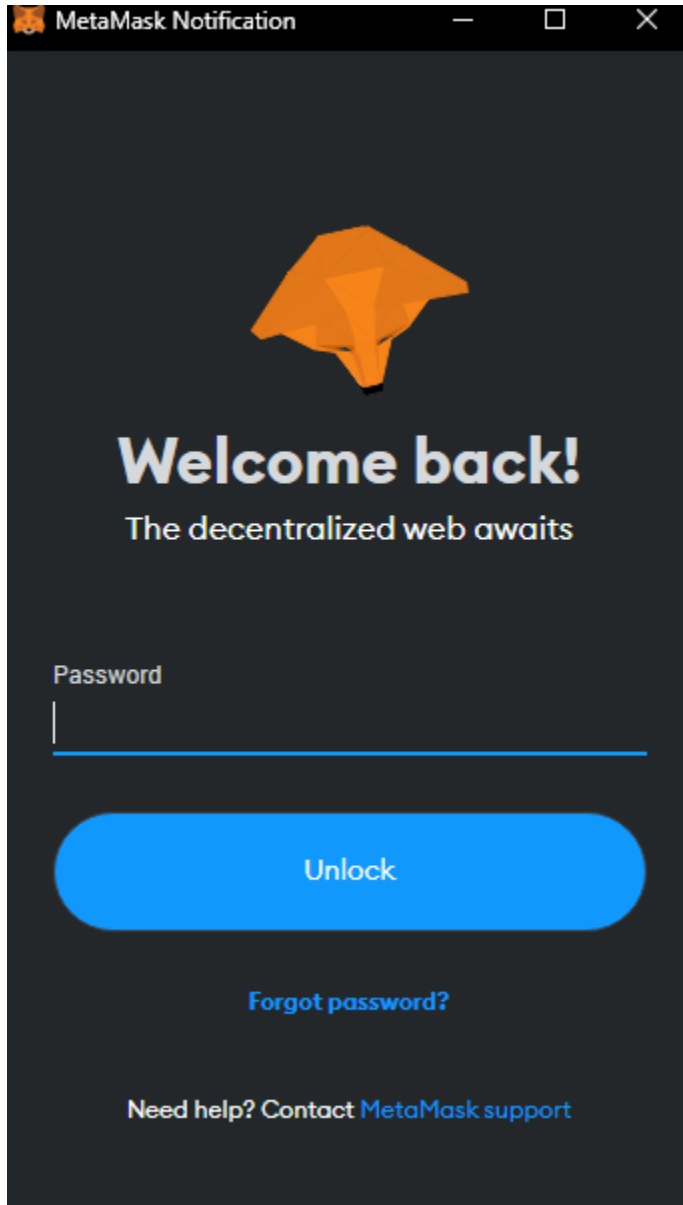
3. **Connecting Wallet:** User can use their preferred wallet. To connect wallet, user will have to click on the connect wallet button.



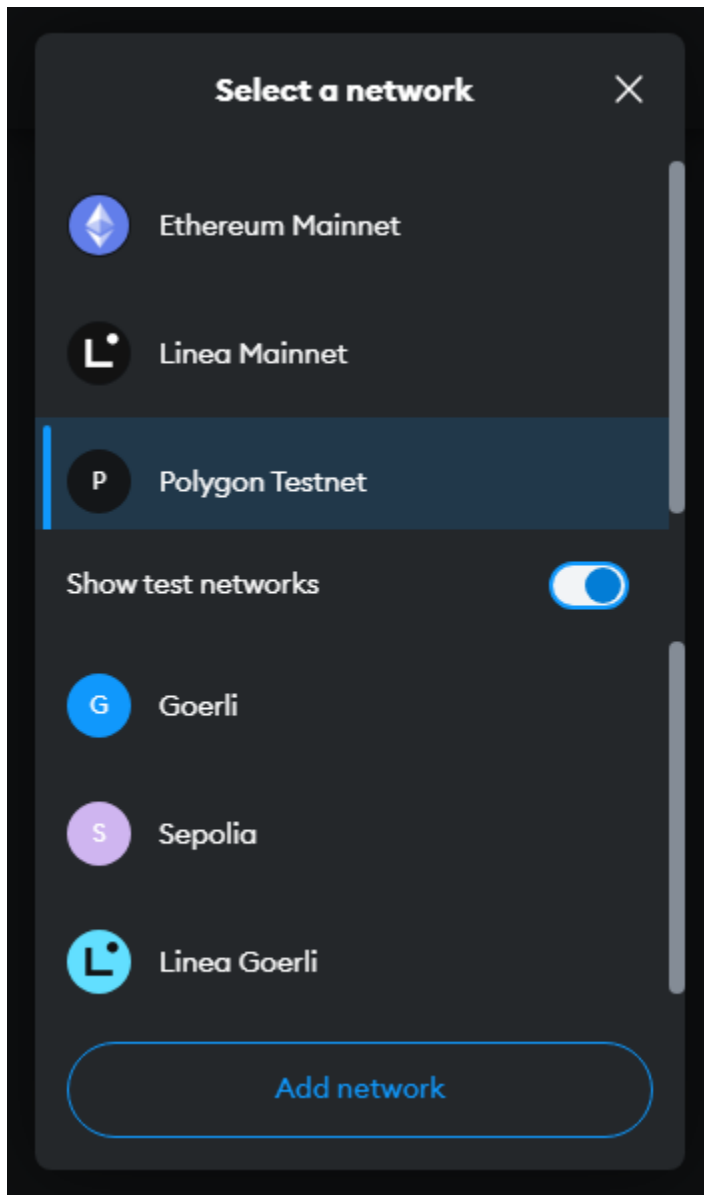
Once connected the option will show the blockchain wallet account number.



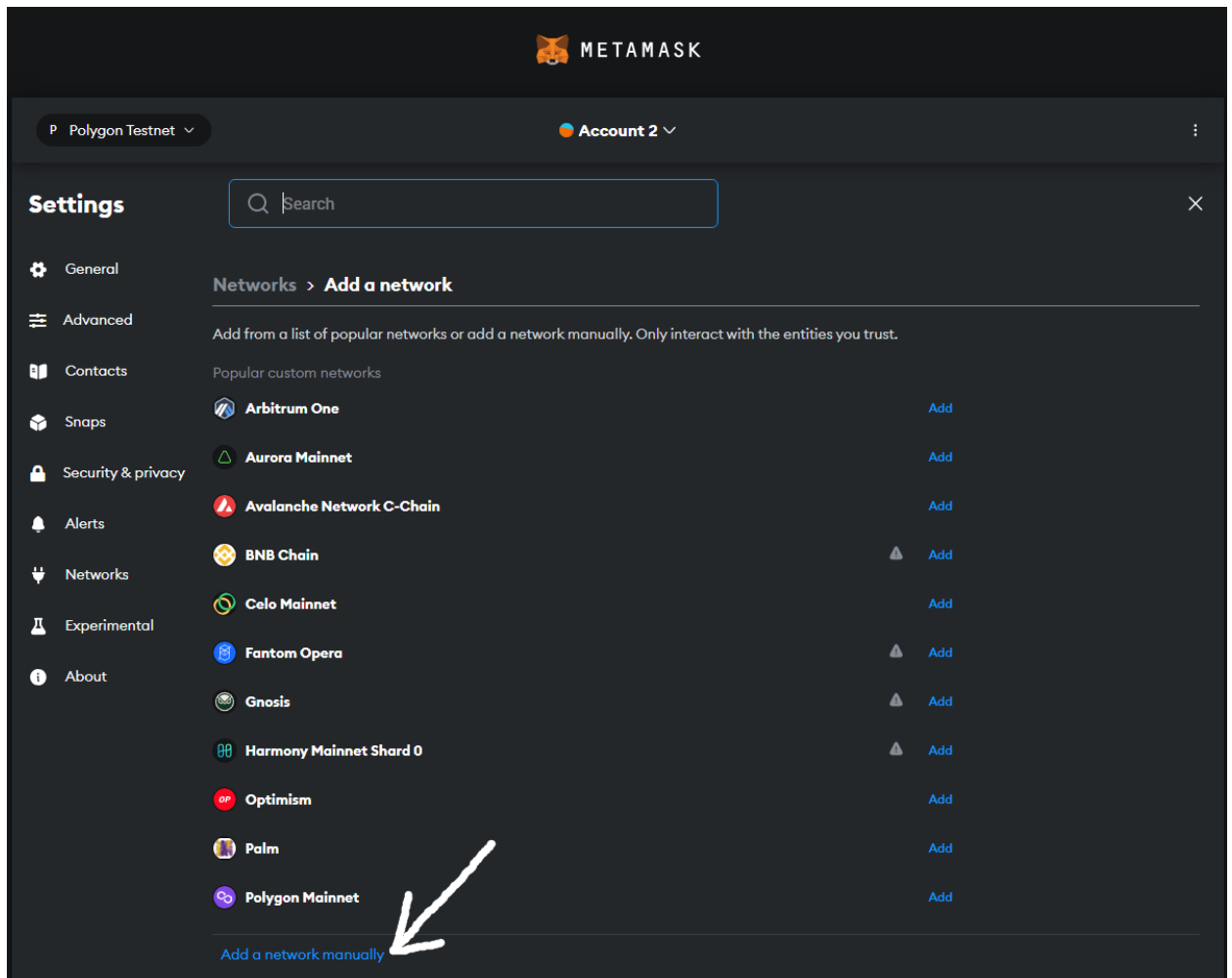
4. **Wallet:** Users can use different wallet according to their preference. If user choose to use Metamask wallet, they will get a similar preview.



**5. Network Selection:** Users will have to choose which network they want to use to donate their preferred crypto currency.

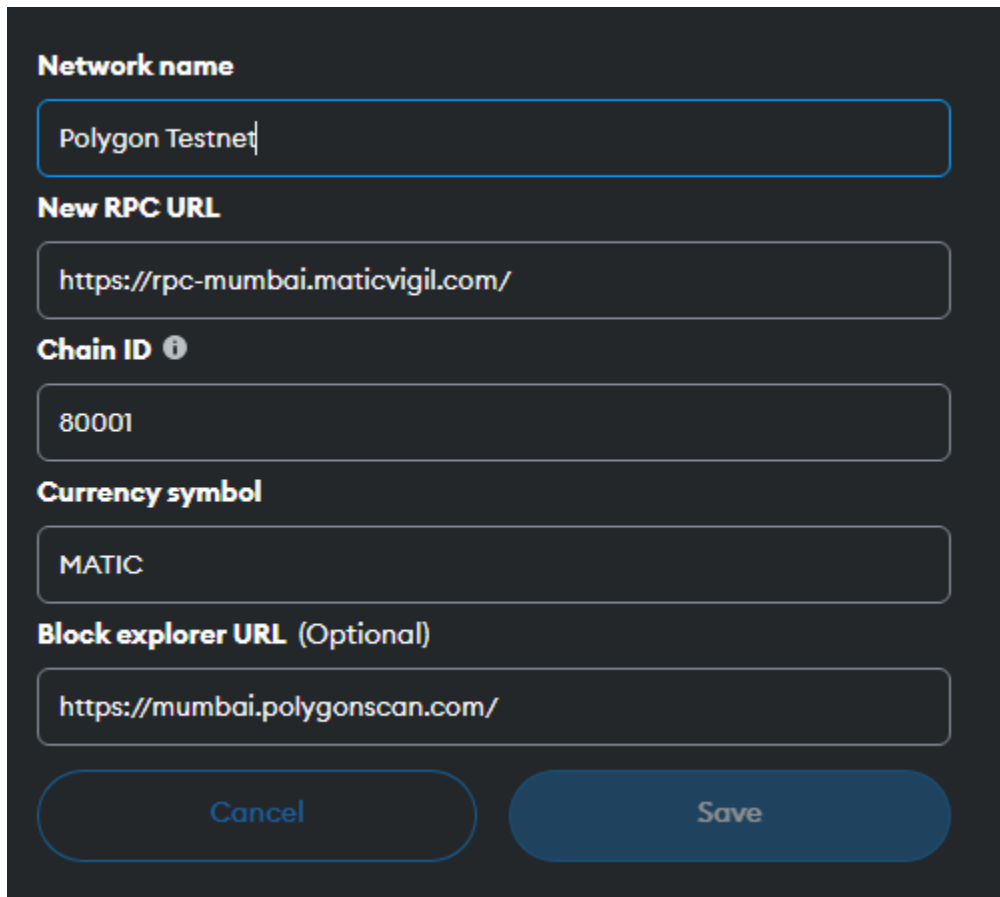


6. **Network Setup:** If preferred network is unavailable user can manually set their network.



From the previous section user can choose add network and go to the metamask network tab. Here users will be able to choose from different network or add network manually.

To add network manually, such as Polygon testnet:



The image shows a dark-themed form for adding a new network. It contains five input fields with labels above them: 'Network name' (filled with 'Polygon Testnet'), 'New RPC URL' (filled with 'https://rpc-mumbai.maticvigil.com/'), 'Chain ID' with an info icon (filled with '80001'), 'Currency symbol' (filled with 'MATIC'), and 'Block explorer URL (Optional)' (filled with 'https://mumbai.polygonscan.com/'). At the bottom are two buttons: 'Cancel' and 'Save'.

Field Label	Value
Network name	Polygon Testnet
New RPC URL	https://rpc-mumbai.maticvigil.com/
Chain ID ⓘ	80001
Currency symbol	MATIC
Block explorer URL (Optional)	https://mumbai.polygonscan.com/

Users will have to enter:

1. Network Name
2. New RPC URL
3. Chain ID
4. Currency symbol
5. Block explorer URL (Optional)

**\*Network details can be found on specific network's website.**



7. **Create Campaign Page:** Campaigns can be created on the create campaign page.

helpseekers

CAMPAIGNS CREATE CAMPAIGN DASHBOARD

Connect Wallet

Campaign Title

Campaign Title

Story

Describe Your Story

Required Amount

Required Amount

Choose Category

Education

Select Image

Choose File No file chosen

Upload Files to IPFS

Start Campaign

Each campaign must have:

1. A campaign title
2. Story
3. Supporting documents

Users will have to define:

- Required amount
- Category

**\*Campaigns cannot be published without connecting wallet.**

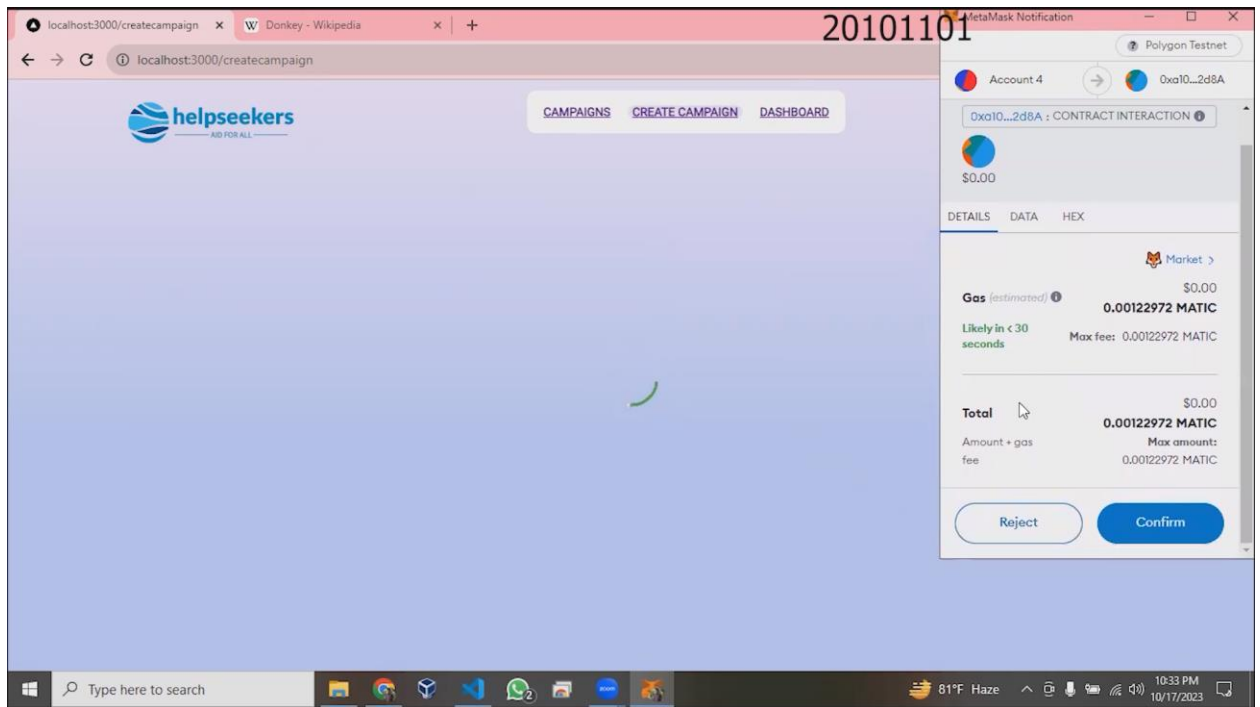
Here is how a campaign might look like after providing all required information:

The screenshot shows a web browser window with the URL `localhost:3000/createcampaign`. The page features the 'helpseekers' logo and navigation links for 'CAMPAIGNS', 'CREATE CAMPAIGN', and 'DASHBOARD'. A green notification banner at the top right states 'Files Uploaded Successfully'. The form contains the following fields:

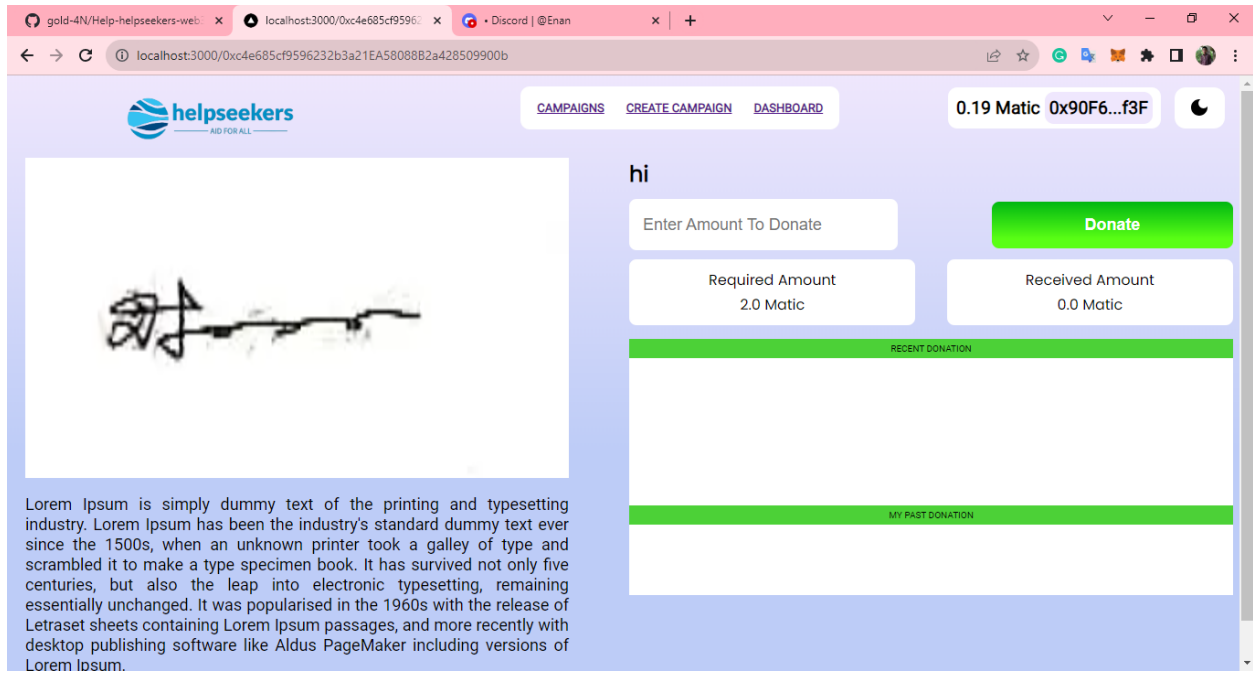
- Campaign Title:** Donkey
- Required Amount:** 5
- Choose Category:** Animal
- Story:** donkeys are often associated with those living at or below subsistence, small numbers of donkeys or asses are kept for breeding or as pets in developed countries. An adult male donkey is a jack or jackass, an adult female is a jenny or jennet,[4][5][6] and an immature donkey of either sex is a foal.[6] Jacks are often mated with female horses (mares) to produce mules; the less common hybrid of a male horse (stallion) and jenny is a hinny.
- Select Image:** Choose File Donkey Animal.jpg

Below the form, there are two green buttons: 'Files uploaded Successfully' and 'Start Campaign'. The Windows taskbar at the bottom shows the time as 10:33 PM on 10/17/2023.


8. **Publishing a campaign:** Publishing a campaign will show the required gas fee and ask for confirmation.





Here is how a published campaign might look like:






**9. Donating to a campaign:** To donate to a campaign, users will have to go to the campaign page and select go to campaign.


 AID FOR ALL

 All Health Education Animal

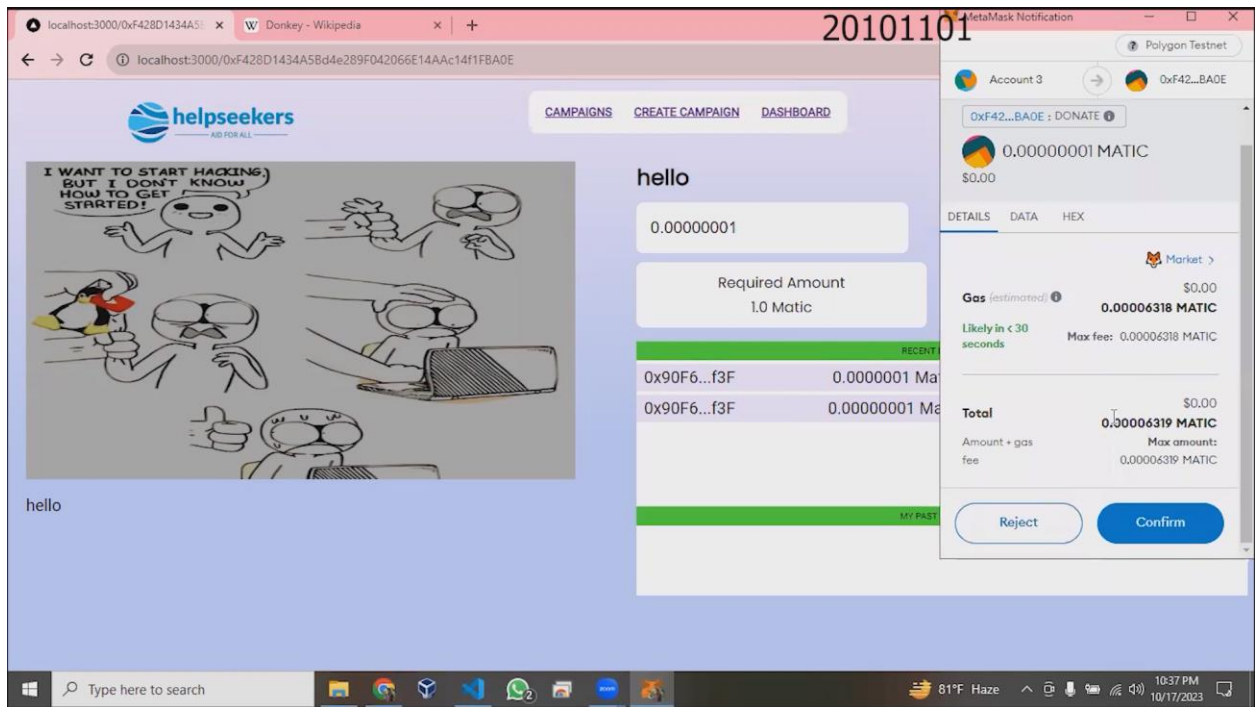


Need Funds for surgery

Owner 	0xc538...E27
Amount 	1000.0 Matic
	9/18/2022, 6:28:00 PM

 [GO TO CAMPAIGN](#)

Then enter how much the user wants to donate, and confirm his/her donation.



**10. Dashboard:** Dashboard will contain all the campaigns the user has created or donated to.

