

A decorative graphic on the left side of the slide, consisting of white and light blue lines that resemble a circuit board or a network diagram. These lines are vertical and horizontal, with small circles at various points, creating a stylized, technological look.

# CHOICE

A REMOTE AND COST-OPTIMIZED VOTING SYSTEM USING BLOCKCHAIN AND  
SMART CONTRACT

# TEAM MEMBERS



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# PROBLEMS

- Time-consuming and cost-inefficient traditional paper ballots
- Low turnouts due to lack of inconvenient and user-friendly remote voting system
- No assurance that votes are counted and tallied
- No voter anonymity
- Manipulation of paper ballots
- EVM (Electronic Voting Machines) can be hacked
- Staff members, security forces, and resources like ballots, ballot boxes, and polling stations make an election expensive
- Other blockchain-based voting systems require voters to pay for their vote

# WHY CHOICE?

- Remotely accessible, blockchain secured and privacy preserved voting platform
- Multilayer verification system to authenticate the voter identity based on AI
- Stimulus incentive mechanism to step-up election turnouts
- Generalized platform for voting and promotions to downsize the election budget
- Optimized smart contract cost with the assistance of a semi-decentralized system architecture
- A tamper-proof, transparent, and automated vote counting mechanism without human interruption

# LANDING PAGE

Choice

[Login](#) [Register](#)

## CHOICE

Vote Online And Earn Rewards!



# REGISTRATIONS

Choice

Login Register

## Select Your Registration Panel



Voter Registration



Party Ambassador Registration



Admin Registration

# LOGIN PANELS

Choice

[Login](#) [Register](#)

## Select Your Login Panel



Voter Login



Party Ambassador Login



Admin Login

# VOTER REGISTRATION (DETAILS)



## Voter Registration

First Name

Md Abdul

Last Name

Wahab

Wallet ID

0x5e3e6059e4Aa8783724B2Ee2f2fA7334FA0C75F3|

Email

abdul.wahab@gmail.com

Password

\*\*\*\*\*

Gender: ☒ Male ☐ Female

Date Of Birth

11/05/1998



Select your State

Arizona



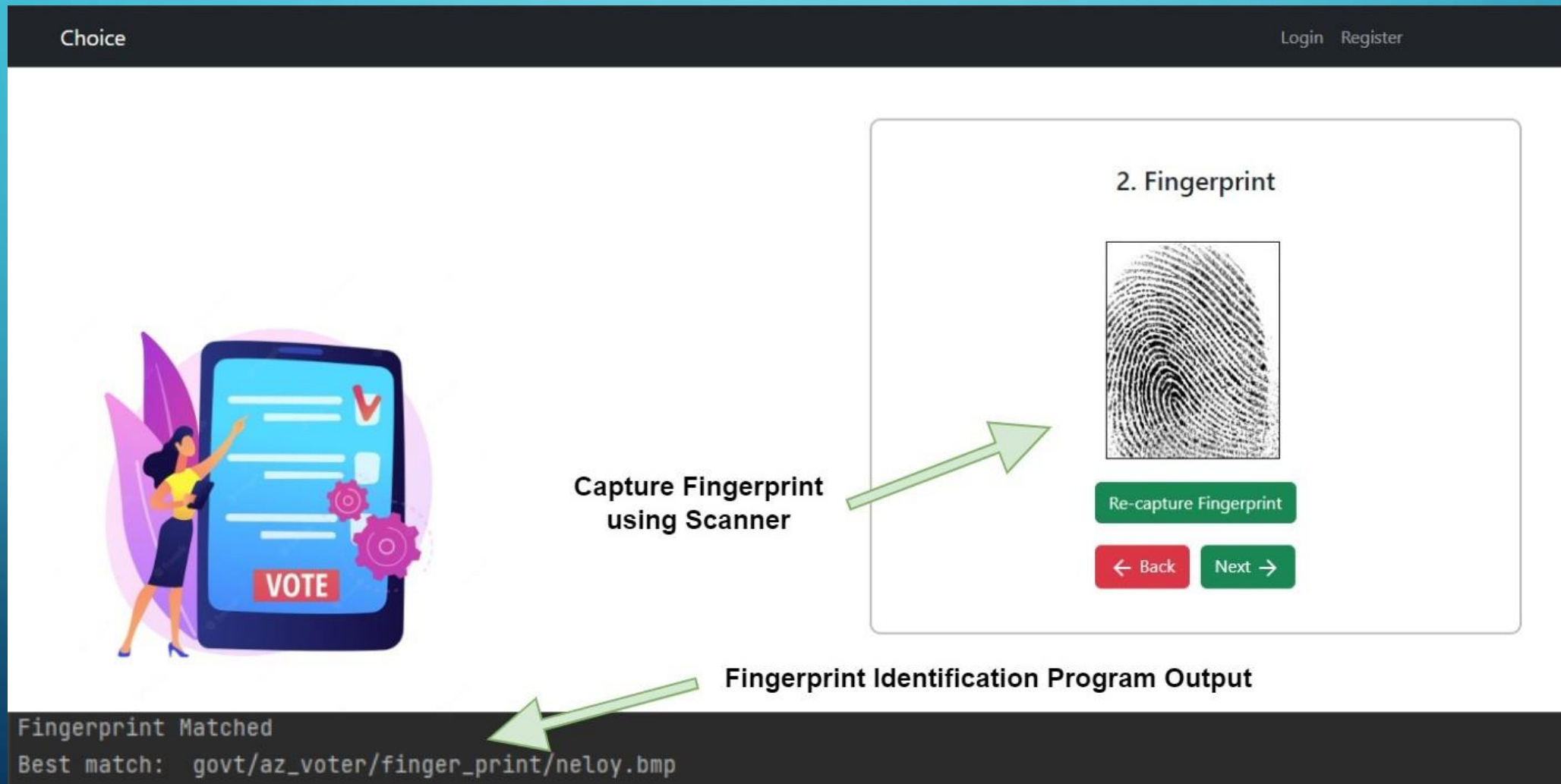
Arizona State ID

D12345688

Register




# VOTER REGISTRATION (FINGERPRINT)




# VOTER REGISTRATION (FACE RECOGNITION)

Choice

Login Register



### 3. Take a Photo



Retake

← Back Register

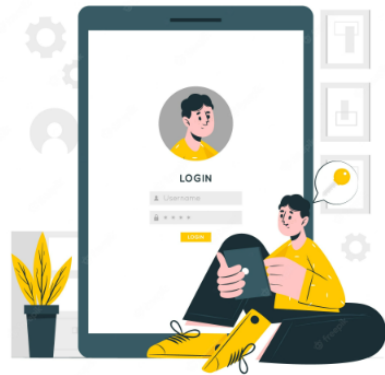
Back-end check after clicking on Register

```
Quit the server with CTRL-BREAK.  
[03/Nov/2022 05:01:33] "OPTIONS /system/addvoter HTTP/1.1" 200 0  
Saved  
1/1 [=====] - 2s 2s/step  
1/1 [=====] - 0s 172ms/step  
True {'verified': True, 'distance': 0.2234376795171772, 'threshold': 0.4, 'model': 'VGG-Face', 'detector_backend': 'opencv', 'similarity_metric': 'cosine'}
```

# VOTER LOGIN

Choice

Login Register



## Voter Login

Email

Password

Login

# VOTER PROFILE

Choice

 Profile

 Polls

 Feeds

 Published Polls

Logout

## Profile

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**Full Name:** Mohammad Nelay

**State ID:** D12365488

**State:** AZ

**Gender:** Male

**Date of Birth:** 1998-11-05

**Email:** nelay1998@gmail.com

**Wallet Address:** 0x793c92BdCF58Eef4481359e63ECD99038145A754

**Voter Registration Transaction Receipt:** 0x5046f4e9f6f337d88dadba56222472ed00cb806cf8b1081ee10607e4539d37b

[Choice](#)

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[Profile](#)

[Polls](#)

[Feeds](#)

[Published Polls](#)

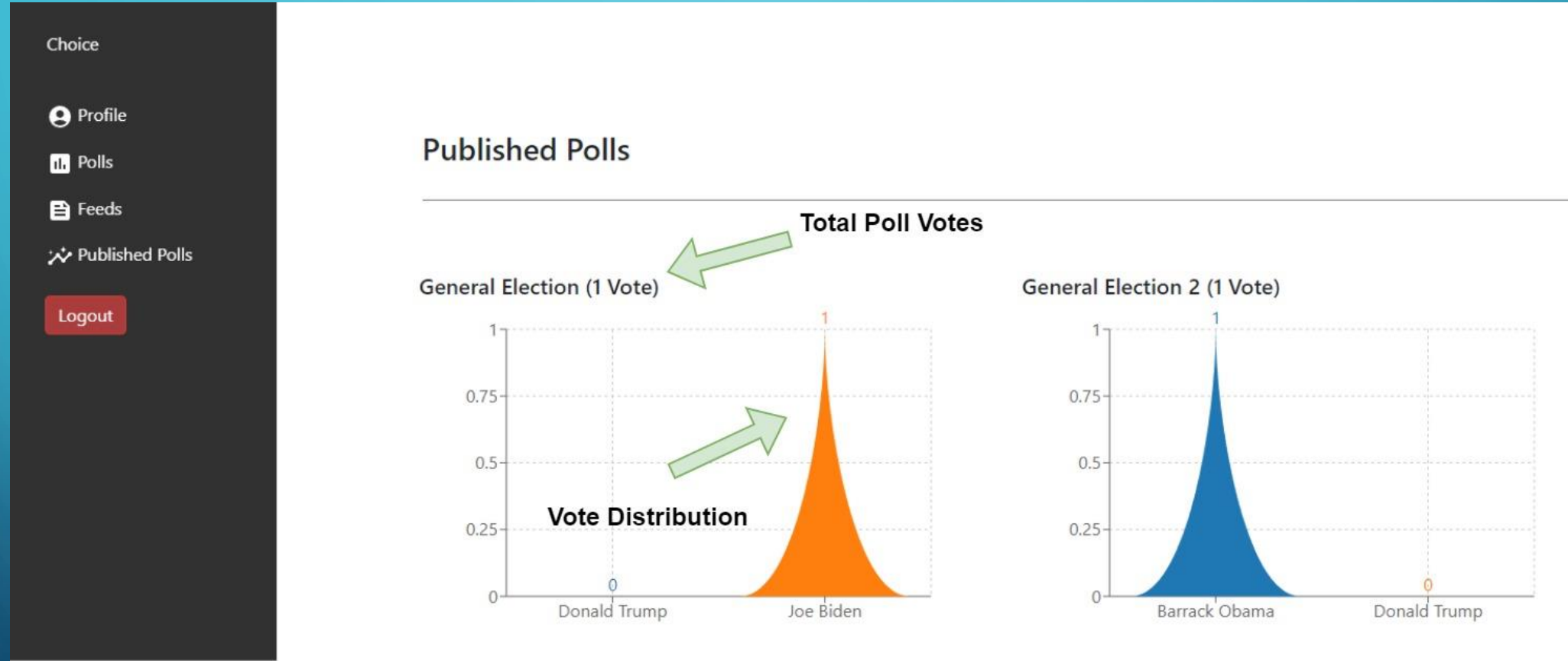
[Logout](#)

## Polls

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<p><b>General Election</b></p> <p><b>State :</b> AZ</p> <p><b>Total Votes :</b> 1</p> <p><b>Created Date :</b> 2022-11-20</p> <p><b>Expire Date :</b> 2022-11-23</p> <p><b>Poll has been Published!</b></p>	<p><b>General Election 3</b></p> <p><b>State :</b> AZ</p> <p><b>Total Votes :</b> 1</p> <p><b>Created Date :</b> 2022-11-26</p> <p><b>Expire Date :</b> 2022-11-28</p> <p><b>Poll has been Published!</b></p>
<p><b>Candidate 1</b></p> <p><b>Name :</b> Donald Trump</p> <p><b>Gender :</b> Male</p> <p><b>Party:</b> Republicans</p> <p><b>Votes:</b> 0</p>	<p><b>Candidate 1</b></p> <p><b>Name :</b> Tammam Haque</p> <p><b>Gender :</b> Male</p> <p><b>Party:</b> Republicans</p> <p><b>Votes:</b> 0</p>
<p><b>Candidate 2</b></p> <p><b>Name :</b> Joe Biden</p> <p><b>Gender :</b> Male</p> <p><b>Party:</b> Democrats</p>	<p><b>Candidate 2</b></p> <p><b>Name :</b> Rafid Ahmed</p> <p><b>Gender :</b> Male</p> <p><b>Party:</b> Democrats</p>

# VOTER PANEL (PUBLISHED POLLS)



# NEW POLL CREATION (ADMIN PANEL)

## Polls

### New Poll

Poll Name

General Election 6

Poll Expiry Date

12/26/2022

Cancel

Next

## Candidates

### Candidate 1

First Name

Joe

Last Name

Biden

Gender: ☒ Male ☐ Female

Arizona State ID

D12345600

Party Name

Democrats

Remove Candidate

### Candidate 2

First Name

Donald

Last Name

Trump

Gender: ☒ Male ☐ Female

Arizona State ID

D12345600

Party Name

Democrats

Remove Candidate

### Candidate 2

First Name

Donald

Last Name

Trump

Gender: ☒ Male ☐ Female

Arizona State ID

D12345611

Party Name

Republican

Remove Candidate

Back

Cancel

Register

Add Candidate

# NEW POLL (VIEWS)

Choice

Profile

Polls

Published Polls

Logout

General Election 5

State : AZ

Total Votes : 0

Created Date : 2022-12-21

Expire Date : 2022-12-23

Poll has been Published!

Candidate 1

Name : Joe Biden

Gender : Male

Party: Democrats

State ID : D12345600

Registration Tx Receipt:  
0x4cf7f87c60d3db194a330aeb3f2dc569a9a2970ef3a8b568f898f6d7244ad4c7

Votes: 0

Candidate 2

Name : Donald Trump

Gender : Male

Party: Republican

State ID : D12345611

Registration Tx Receipt:

General Election 6

State : AZ

Total Votes : 0

Created Date : 2022-12-21

Expire Date : 2022-12-26

Publish Results

Candidate 1

Name : Joe Biden

Gender : Male

Party: Democrats

State ID : D12345600

Registration Tx Receipt:  
0x52067a13c78d458e04e0bbca2ad0814068674eb2f9c8564c625dc98f82c55e06

Votes: 0

Candidate 2

Name : Donald Trump

Gender : Male

Party: Republican

State ID : D12345611

Registration Tx Receipt:

ADMIN'S VIEW

Choice

Profile

Polls

Feeds

Published Polls

Logout

General Election 5

State : AZ

Total Votes : 0

Created Date : 2022-12-21

Expire Date : 2022-12-23

Poll has been Published!

Candidate 1

Name : Joe Biden

Gender : Male

Party: Democrats

Votes: 0

Candidate 2

Name : Donald Trump

Gender : Male

Party: Republican

Votes: 0

General Election 6

State : AZ

Total Votes : 0

Created Date : 2022-12-21

Expire Date : 2022-12-26

Vote

Candidate 1

Name : Joe Biden

Gender : Male

Party: Democrats

Candidate 2

Name : Donald Trump

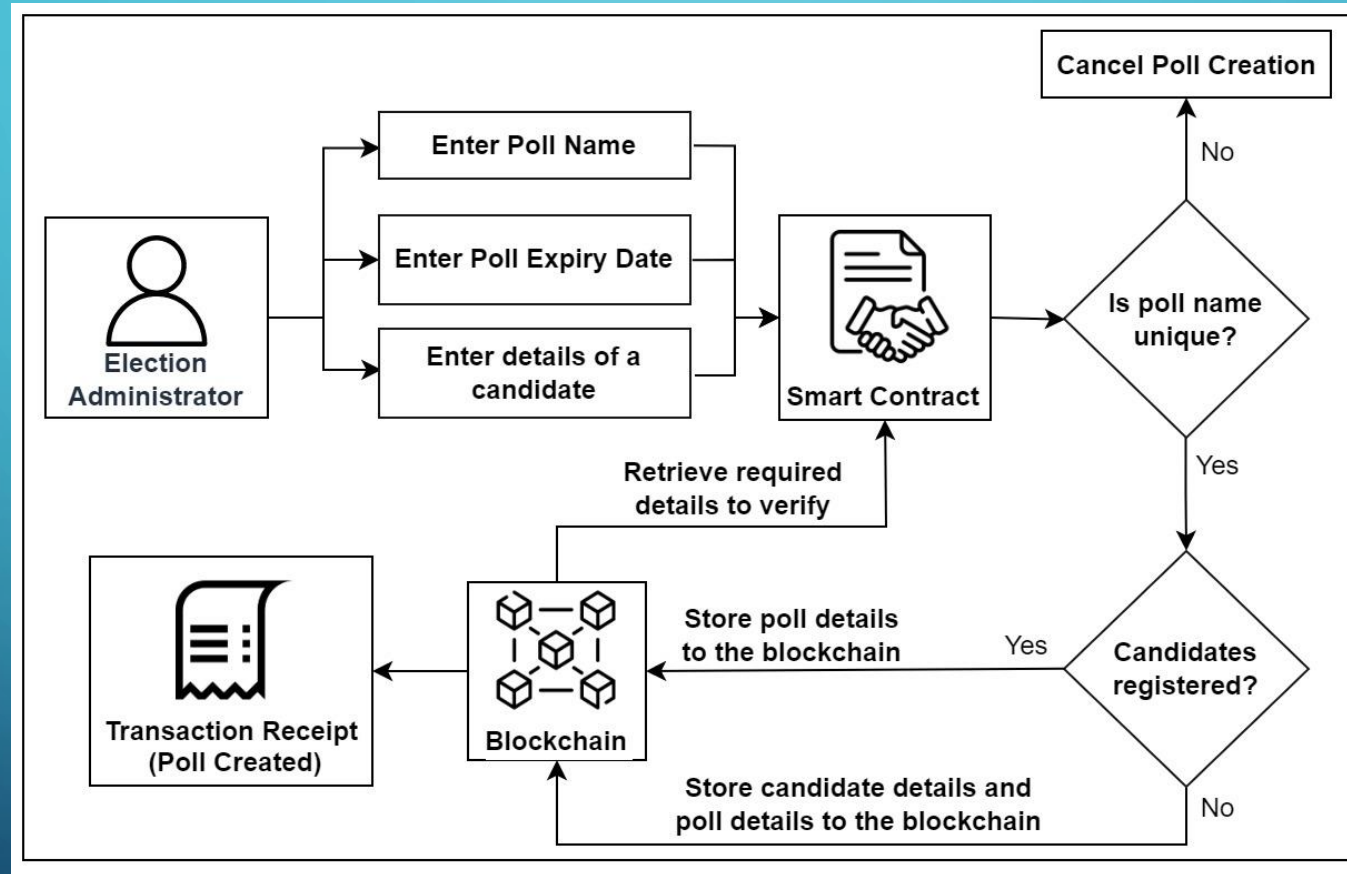
Gender : Male

Party: Republican

VOTER'S VIEW



# POLL CREATION (FLOW CHART)



# VOTER PANEL (VOTING)

**General Election 6**

**State :** AZ

**Total Votes :** 0

**Created Date :** 2022-12-21

**Expire Date :** 2022-12-26

Cancel

**Candidate 1**

**Name :** Joe Biden

**Gender :** Male

**Party:** Democrats

Vote

**Candidate 2**

**Name :** Donald Trump

**Gender :** Male

**Party:** Republican

Vote

**General Election 6**

**State :** AZ

**Total Votes :** 0

**Created Date :** 2022-12-21

**Expire Date :** 2022-12-26

**Candidate 1**

**Name :** Joe Biden

**Gender :** Male

**Party:** Democrats

Confirm Vote

Cancel

**Candidate 2**

**Name :** Donald Trump

**Gender :** Male

**Party:** Republican

**General Election 5**

**State :** AZ

**Total Votes :** 0

**Created Date :** 2022-12-21

**Expire Date :** 2022-12-23

Poll has been Published!

**Candidate 1**

**Name :** Joe Biden

**Gender :** Male

**Party:** Democrats

**Votes:** 0

**Candidate 2**

**Name :** Donald Trump

**Gender :** Male

**Party:** Republican

**Votes:** 0

**General Election 6**

**State :** AZ

**Total Votes :** 1

**Created Date :** 2022-12-21

**Expire Date :** 2022-12-26

You have already voted!

**Candidate 1**

**Name :** Joe Biden

**Gender :** Male

**Party:** Democrats

**Candidate 2**

**Name :** Donald Trump

**Gender :** Male

**Party:** Republican

# REWARD (ETHER TRANSFER)

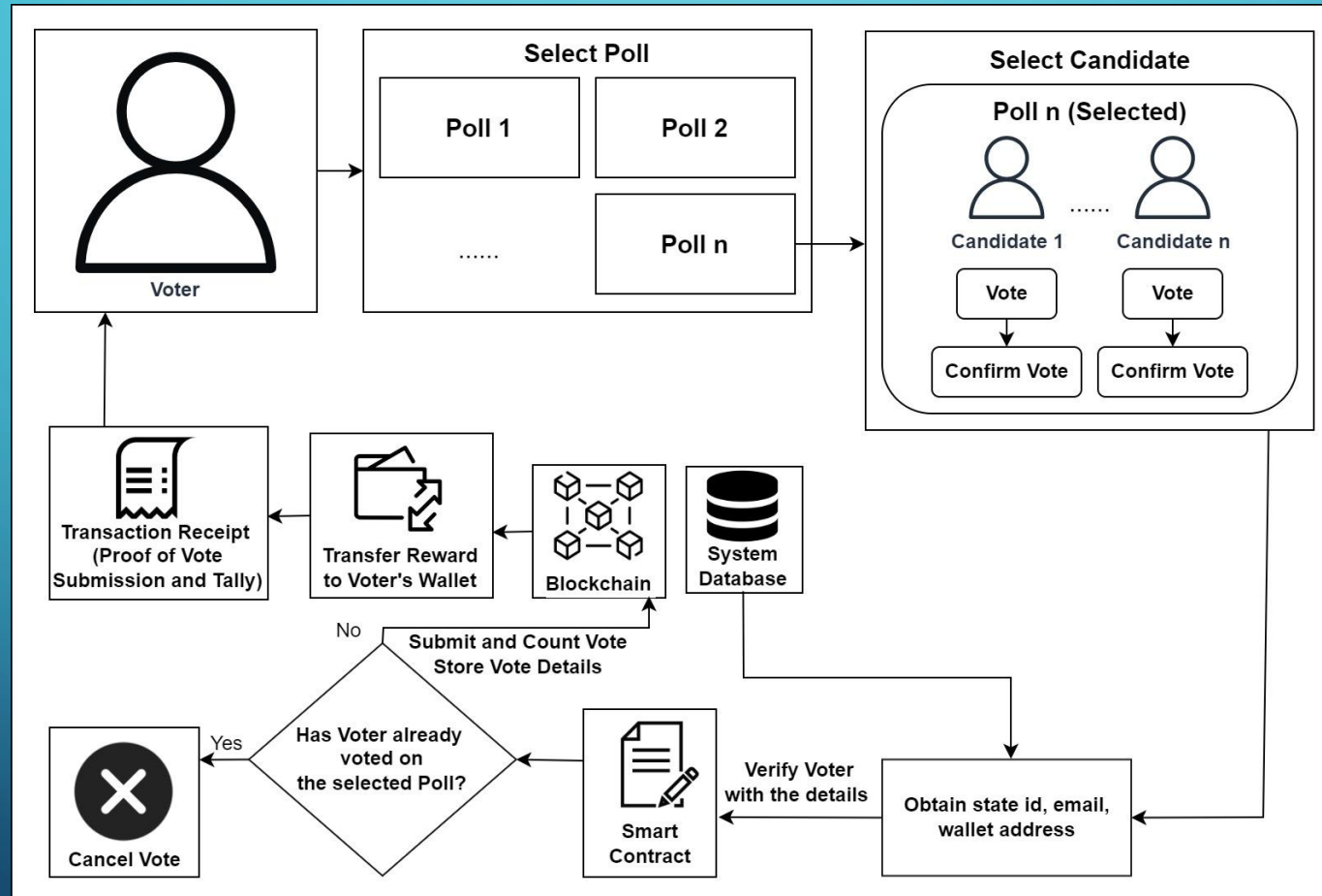
ADDRESS	BALANCE	TX COUNT	INDEX	
0x793c92BdCF58Eef4481359e63ECD99038145A754	100.00 ETH	0	4	

BEFORE VOTING

ADDRESS	BALANCE	TX COUNT	INDEX	
0x793c92BdCF58Eef4481359e63ECD99038145A754	100.10 ETH	0	4	

AFTER VOTING

# VOTING PROCEDURE (FLOW CHART)



# VOTER PANEL (FEEDS)


Choice

- Profile
- Polls
- Feeds
- Published Polls

Logout

## Feeds

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Joe Biden for Physical Campaign in New York


Joe Biden to attend a street Campaign in New York!  
Hope to meet everyone!

**Created By:** Tammam Haque

# CAMPAIGN CREATION

Choice

 Profile

 Campaigns

Logout

## Campaigns

### New Campaign

Campaign\_heading Heading

Donald Trump for Physical Campaign in New York

Campaign Description

Donald trumps to change new tax policies for the next 4 years!

Wallet Private Key

3343b0108b75929f6a80a36644a2e577284afd39445e64c586f778681b3dc72

Upload Image

Choose File 298-2982623\_donald-trump-full-hd.jpg

Campaign Expiry Date

12/27/2022



Note: Your Campaign will run for 6 days only! Total cost 0.15000000000000002 Ether!

Create Campaign

Cancel



# SYSTEM ARCHITECTURE

