

# IDEA IGNITE

TEAM - STRIKERS

TOPIC - MENTAL SUPPORT SYSTEM

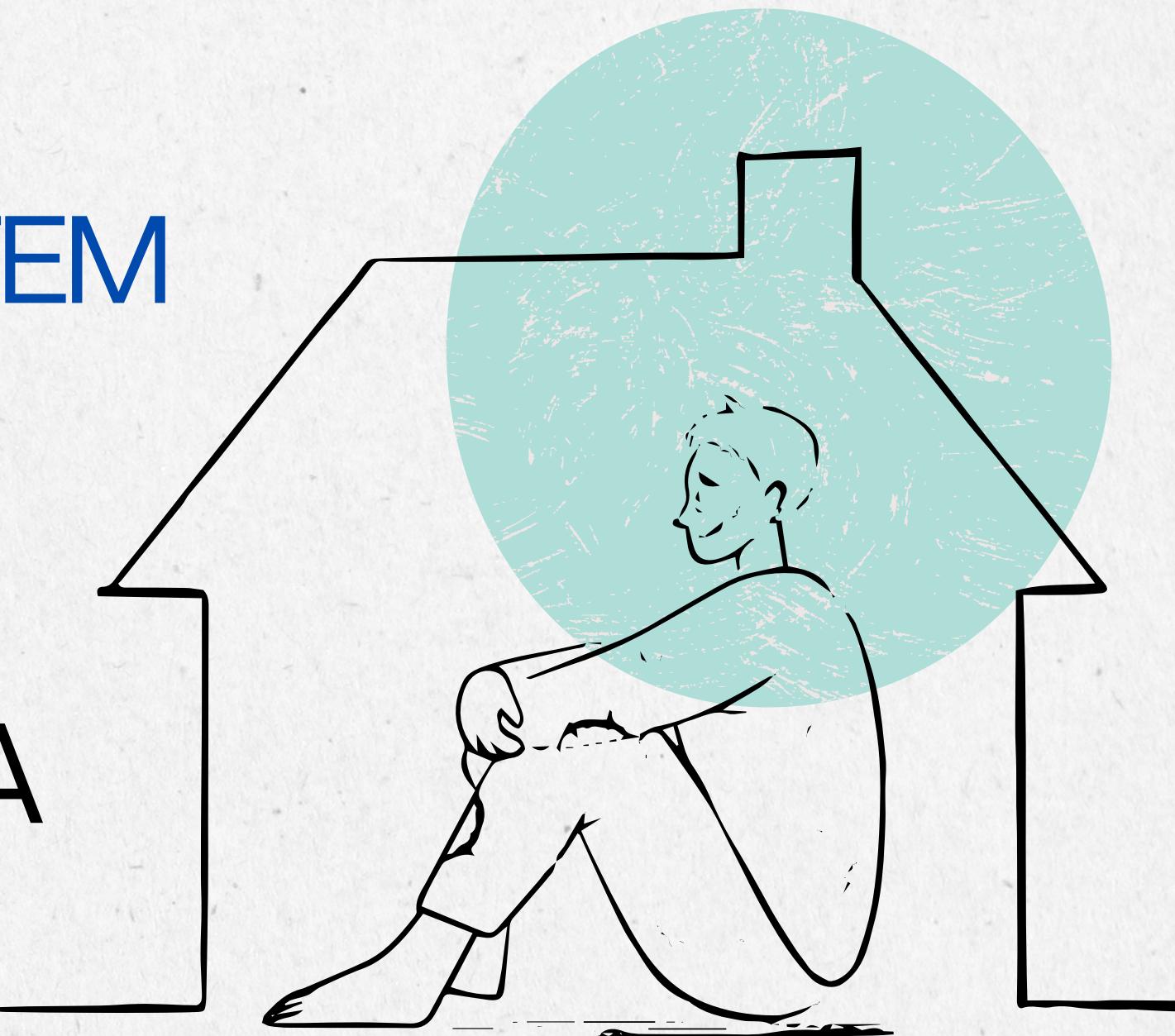
MEMBERS :-

Aalan Sason Singarayan A

Tanisha Basu

Shreya Ojha

FULL VIDEO - [Click Here](#)



# PROBLEM

In today's fast-paced world, many individuals experience depression and mental health challenges, often feeling isolated and unsupported. Access to professional mental health services can be limited due to various barriers such as cost, stigma, and availability.

# SOLUTION

Our platform aims to bridge this gap by connecting individuals experiencing depression with compassionate volunteers who offer supportive listening and empathy. By leveraging technology, we facilitate meaningful connections, providing an accessible and community-driven solution to mental health support. Volunteers are matched with users based on mutual availability and preferences, ensuring a personalized and effective support system.



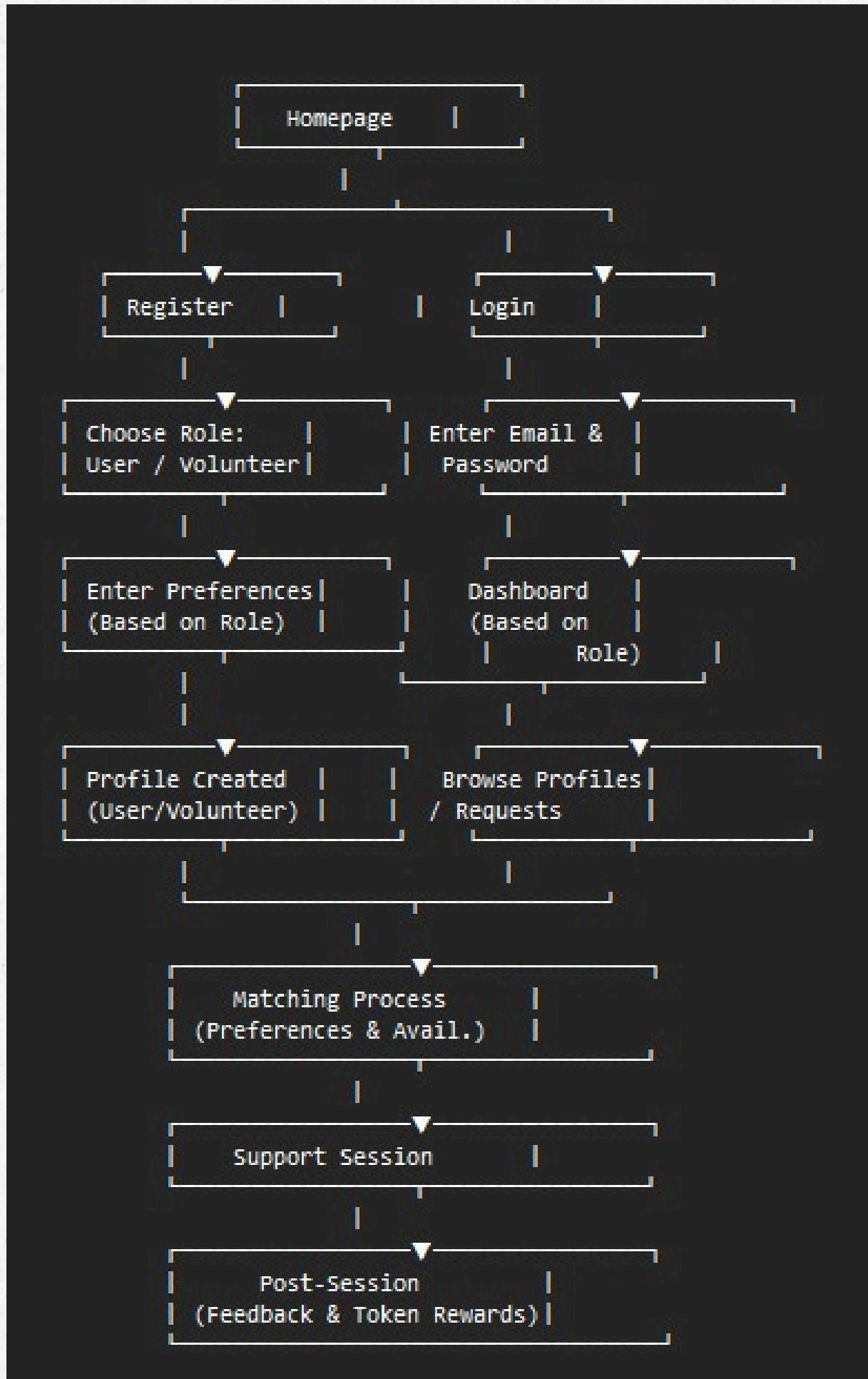
# Uniqueness and Innovativeness :-

1. This innovative approach not only fosters a sense of community but also empowers volunteers by recognizing their contributions through a token-based reward system, recorded securely on a blockchain.

2. By addressing the critical need for accessible mental health support, our platform strives to make a positive impact on the lives of those struggling with depression.



# Mind map



Homepage

Options: Register | Login

Register

Enter User Details (Name, Email, Password, etc.)

Choose Role: User | Volunteer

If User:

Enter Preferences (Availability, Language, Specific Needs)

Profile Creation

If Volunteer:

Enter Preferences (Availability, Language, Areas of Expertise)

Profile Creation

Login

Enter Email & Password

Redirect to Dashboard (Based on Role: User | Volunteer)

Dashboard

If User:

Browse Volunteer Profiles

Schedule Call

If Volunteer:

Browse User Requests

Accept Request

Matching Process

Algorithm matches Users with Volunteers based on Preferences and Availability

Support Session

Conduct Call/Chat Session

Post-Session

Feedback from User

Token Rewards for Volunteers (Based on Duration and Positive Feedback)

Record Transactions on Blockchain



**Why face it alone?  
Connect, share,  
heal.**



Log In   Register

Username: Shreya Ojha   Age: 19

Mobile: 7677033822   Email: shreyaojha81@gmail.com

Interests: Travelling   Language: English

Gender: Female   Role: Client

Password:   Confirm Password: ...

Register

Log In

Mobile No: 7677033822

Password: ...

Login

**Suggested Users**

**helper2**  
Age: 20  
Language: ENGLISH  
★★★★★

**helper1**  
Age: 20  
Language: ENGLISH  
★★★★★



Go Offline

Name: muthuram  
Email: mr@gmail.com  
Mobile: 9524889202

Age: 20  
Gender: male  
Language: ENGLISH  
Interests: Sports  
Availability: Available  
Role: helper

Call Count: 7  
Coins: 310  
Tokens: 5  
Ratings: 4.0

muthuram

hello

Join Call

Join Call

Hi

Join Call



## Crypto Dashboard

Connected Account: 0x581147E4D4180Eb2C3F6f9Bc1A614F1885e94C33

**Available Coins**  
410 Coins

100

You will get 1 tokens and 0 coins will be left.  
Conversion Rate: 100 coins = 1 token

Convert Coins to Tokens

**Available To**  
4 Token

Estimated changes

You receive + <0.000001 0x3aD89...09320 Not Available

Estimated fee 0.00013269 0.00013269 SepoliaETH

Site suggested Max fee: 0.00013273 SepoliaETH

Reject Confirm

Sepolia test network

Dev Acco... 0x3aD89...09320

0x3aD89...09320 CONTRACT INTERACTION

DETAILS HEX

Estimated changes

You receive + <0.000001 0x3aD89...09320 Not Available

Estimated fee 0.00013269 0.00013269 SepoliaETH

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Reject Confirm

# Tech stack used

**1. React.js:** React.js was used to build the user interface of the application, enabling the creation of dynamic and responsive web pages for a seamless user experience.

**2. Node.js:** Node.js handled the server-side logic, processing requests, and managing application routing to ensure efficient and scalable backend operations.

**3. MongoDB:** MongoDB served as the database to store user information, preferences, session data, and other relevant information, allowing for flexible and scalable data management.

**4. Solidity:** Solidity was used to write smart contracts for the token-based reward system, ensuring secure and transparent operations on the blockchain.

**5. Web3.js:** Web3.js enabled interaction between the React frontend and the Ethereum blockchain, allowing the app to communicate with smart contracts and manage token transactions.

**6. MetaMask:** MetaMask facilitated users' blockchain transactions, allowing them to authenticate, manage their crypto assets, and participate in the token reward system.

**7. Socket.io:** Socket.io enabled real-time, bi-directional communication between the client and server, which was crucial for live messaging and support session features.

**8. Zegacloud API:** Zegacloud API provided the calling functionality within the application, enabling voice or video communication between users and volunteers for support sessions.

Github link - [Here](#)

Hosted link - [Here](#)

# KEY BENEFITS

## Enhanced Accessibility to Mental Health Support

**Wider Reach:** Provides mental health support to individuals who might otherwise have limited access due to geographical, financial, or social barriers.

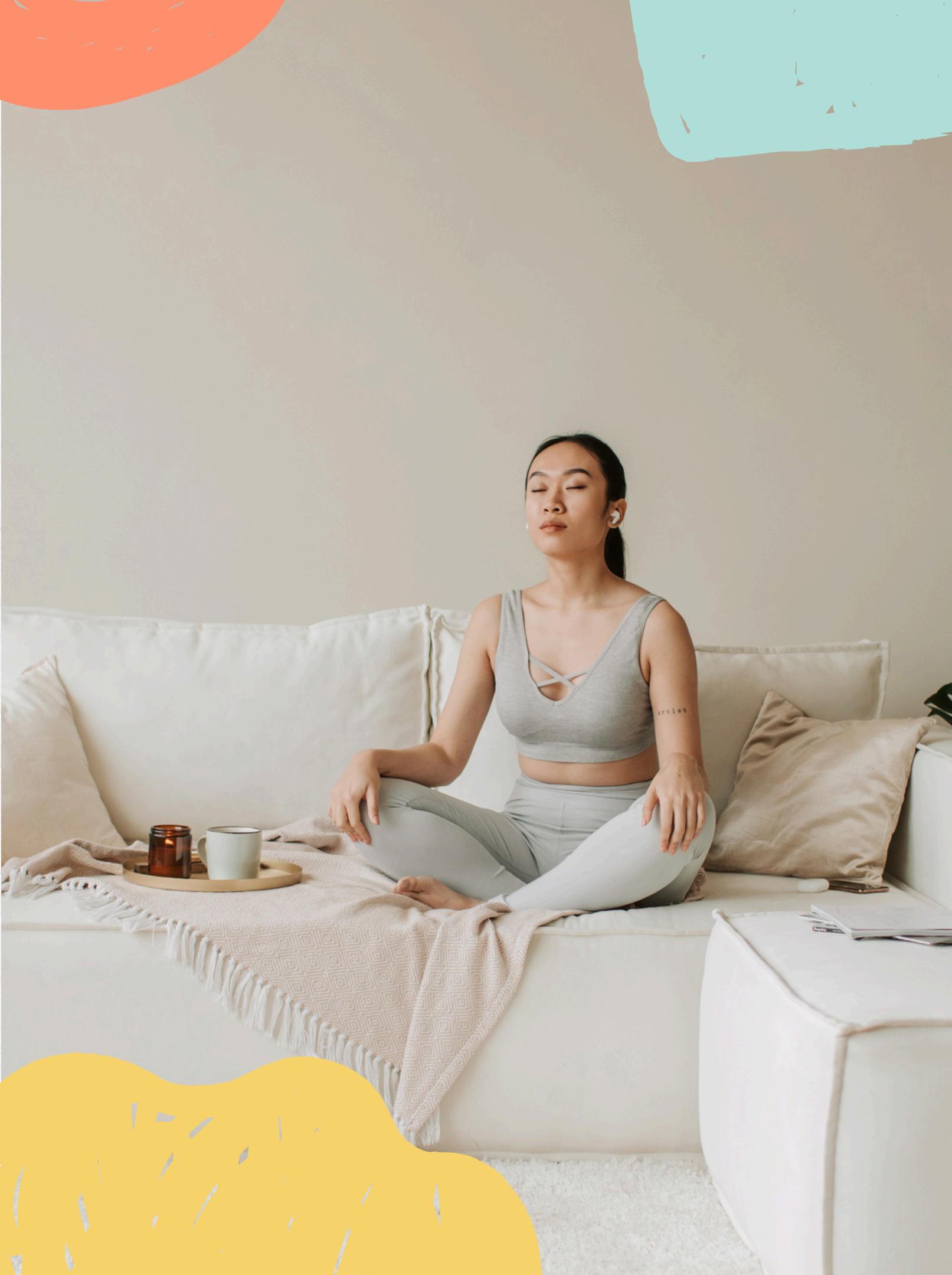
**Timely Help:** Ensures timely support, potentially preventing the worsening of depressive symptoms.

## Innovative Use of Technology

**Blockchain for Transparency:** Utilizes blockchain technology for recording transactions, ensuring transparency and trust in the reward system, enhancing volunteer satisfaction.

## Reduction of Mental Health Stigma

**Community Awareness:** Fosters open conversations about mental health and involves community members as volunteers, helping to normalize mental health issues and reduce associated stigma.



Thank you  
very much!