MAKE ANONYMOUS PAYMENT WITH CRYPTO

submitted by

GOPINATHAN A R (1P20MC015)

in partial fulfillment of the requirements for the award of the Degree of
Master of Computer Applications from Bharathiar University, Coimbatore.

under the internal supervision of
Dr. G. Pandiyan, M.Sc., M.Phil., B.Ed., Ph.D.,
Associate Professor

School of Computer Studies,
Department of MCA
Rathnavel Subramaniam College of Arts and Science (Autonomous),
Sulur, Coimbatore – 641 402.
July 2021 - November 2021.

RATHNAVEL SUBRAMANIAM COLLEGE OF ARTS AND SCIENCE

(AUTONOMOUS)

Sulur, Coimbatore-641 402

Department of Computer Applications (MCA)

Project work & Viva voce

BonaFide Certificate

This is to certify that this a *bona fide* record of work done by Mr / Ms ....…………………………..

Register No. ….................................... during the academic year 2021 - 2022 and submitted for the End Semester Project viva voce held on ……………….

HEAD OF THE DEPARTMENT **STAFF – IN CHARGE**

INTERNAL EXAMINER **EXTERNAL EXAMINER**

Certificate

CERTIFICATE

This is to certify that the dissertation entitled **MAKE ANONYMOUS PAYMENT WITH CRYPTO**, submitted to the School of Computer Studies, Rathnavel Subramaniam College of Arts and Science in partial fulfillment of the requirements for the award of the Degree of Master of Computer Applications is a record of original project work done by **GOPINATHAN A R** during the period July 2021- November 2021 of their study on MCA in the Rathnavel Subramaniam College of Arts and Science, under my internal supervision and the dissertation has not formed the basis for the award of any Degree/Diploma/Associate ship/Fellowship or other similar title to any candidate of any University.

Internal Supervisor

Declaration

DECLARATION

We, **GOPINATHAN A R**, hereby declare that the dissertation, entitled **MAKE ANONYMOUS PAYMENT WITH CRYPTO**, submitted to the School of Computer Studies, Rathnavel Subramaniam College of Arts and Science, in partial fulfillment of the requirements for the award of the Degree of Master of Computer Applications is a record of original project work done by we during the period July 2021 – November 2021 under the internal supervision of **Dr. G. Pandiyan, Associate Professor**, Department of Computer Applications and it has not formed the basis for the award of any Degree/Diploma/Associateship/Fellowship or other similar title to any candidate of any University.

Signature of the Candidate

Acknowledgements

ACKNOWLEDGEMENTS

We express our sincere thanks to our Managing trustee **Dr. K. Senthil Ganesh MBA (USA)., MS (UK)., Ph.D.,** for providing us with the adequate of faculty and laboratory resources for completing my project successfully.

We take this as a fine opportunity to express our sincere thanks to **Dr. T. Sivakumar M.Sc., M. Phil., Ph.D., Principal,** Rathnavel Subramaniam College of Arts and Science (Autonomous) for giving me the opportunity to undertake this project.

We express our sincere thanks to **Dr. D. Francis Xavier Christopher., M.Sc. (CS)., M.Phil., Ph.D., Director (Administration), Department of Computer Science** for the help and advice throughout the project.

We express our sincere thanks to **Dr. S. Yamini., M. Sc (CC)., M. Phil., Ph.D., Director (Academic), Department of Computer Science** for her valuable guidance and prompt correspondence throughout the curriculum to complete the project.

We express our sincere thanks to **Mrs. C. Grace Padma., MCA., M.Phil., MBA., Head of the Department** for her support and advice throughout the project.

We express our gratitude to **Dr. G. Pandiyan, M.Sc., M.Phil., B.Ed., Ph.D.,** for his valuable guidance, support, encouragement and motivation rendered by his throughout this project.

Finally, We express our sincere thanks to all other staff members and my dear friends, and all dear and near for helping me to complete this project.

GOPINATHAN A R

MAKE ANONYMOUS PAYMENT WITH CRYPTO

Abstract

ABSTRACT

Cryptocurrencies have emerged as important financial software systems. They rely on a secure distributed ledger data structure. Cryptocurrencies lack a central authority to mediate transactions because they were designed as peer-to-peer systems. Cryptocurrency, and Bitcoin especially, has a reputation for being a completely anonymous form of payment, free from tracking and interference. This project presents extensive process of transfer, receive and earn cryptocurrencies anonymously.

Frontend Tools/ Technology: Flutter

Backend / Database Technology: Firebase

Website link:

Mobile App link:

Git repository link: https://github.com/GOPINATHAN-AR/case_study.git

INDEX

Introduction

INTRODUCTION

The project objective is to deliver the make anonymous payment with crypto currencies into ANDROID and IOS platform. This project was made for a client, it is an online money transfer system with anonymously. A cryptocurrency is a form of digital asset based on a network that is distributed across a large number of computers. Now a days most of the people want to make their crypto payment via smartphones. So, we are developed these applications. Experts believe that blockchain and related technology will disrupt many industries, including finance and law. The advantages of cryptocurrencies include cheaper and faster money transfers and decentralized systems that do not collapse at a single point of failure.

This project is not only for transfer and receive cryptocurrencies. We are added some interesting features to earn small to large number of crypto currencies. You can store your points and crypto with your online wallet with plaid integration.

Plaid is a financial services company based in San Francisco, California. ... It allows consumers and businesses to interact with their bank accounts, check balances, and make payments through different financial technology applications.

Before I mentioned some interesting features to earn crypto’s, that’s not only earning, you can create or participate with an event like walking and running. Whenever who complete the event first, they can win the particular event crypto.

We are not predicting your steps. we are counting your steps with Google fit and Apple HealthKit. So, the user can check their status with their application or their fitness account.

Module Description

MODULE DESCRIPTION

Create wallet

User can create their account here with unique twelve digit of words and that’s called seed and also copied to user’s clipboard, they can store that seed in a save place for import.

Import wallet

If user already have an account, they can import their account here with their unique seed.

Send

User can transfer their crypto to another person with entering or scanning their unique address.

Receive

User can receive crypto from another person with displaying or share their unique address.

Earn

User can connect plaid wallet from here to manage their crypto with particular account.

Transaction

User can check the transaction details here.

Create challenges

User can create a challenges and host that challenges from here.

Recent winners

User can saw who win recently in challenges, it can display all kind of challenges.

Join challenges

User can saw number of available challenges and join a one or more challenges from here.

My challenges

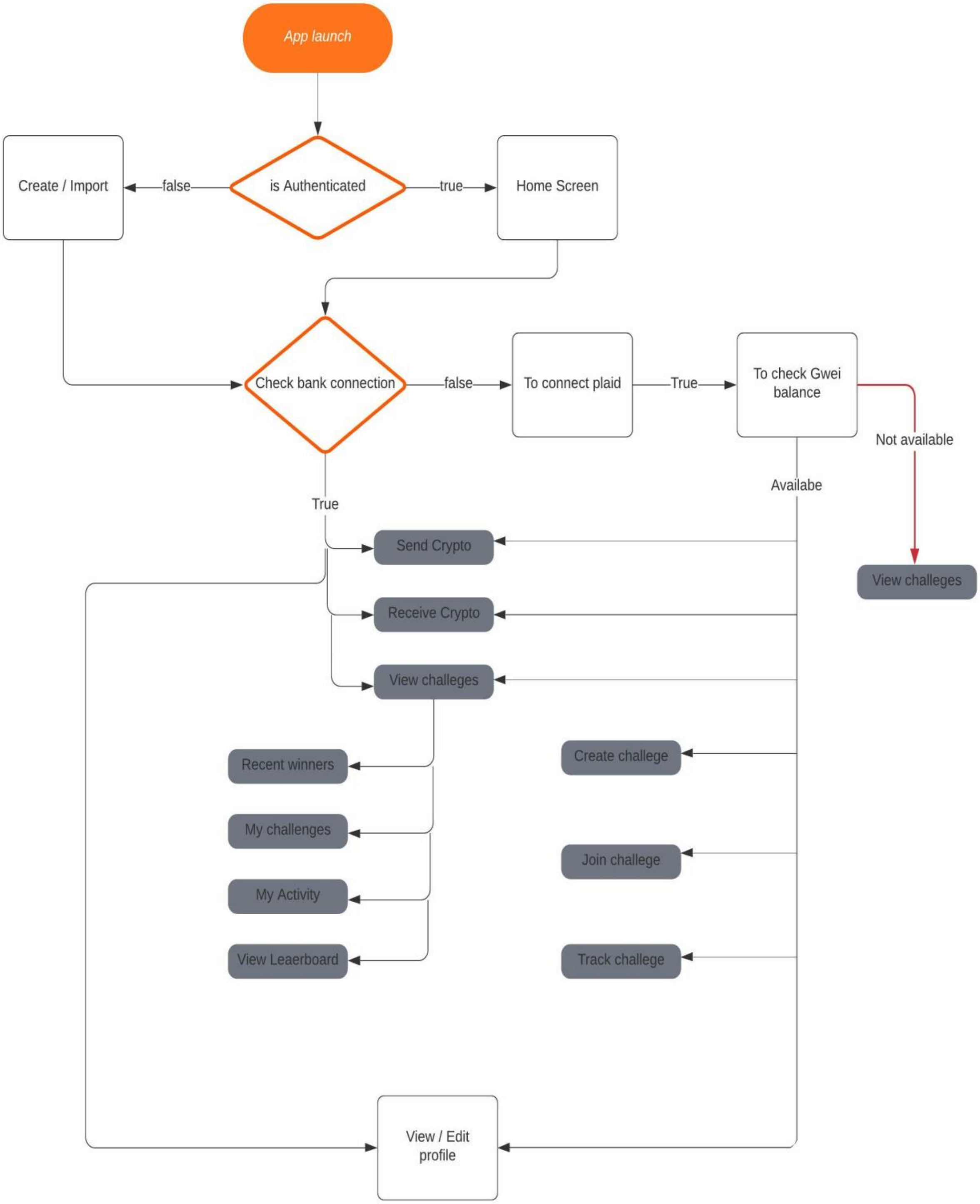
User can check how many challenges created themselves and check that current status.

Leaderboard

User can saw who is the leading in all challenges and their details here.

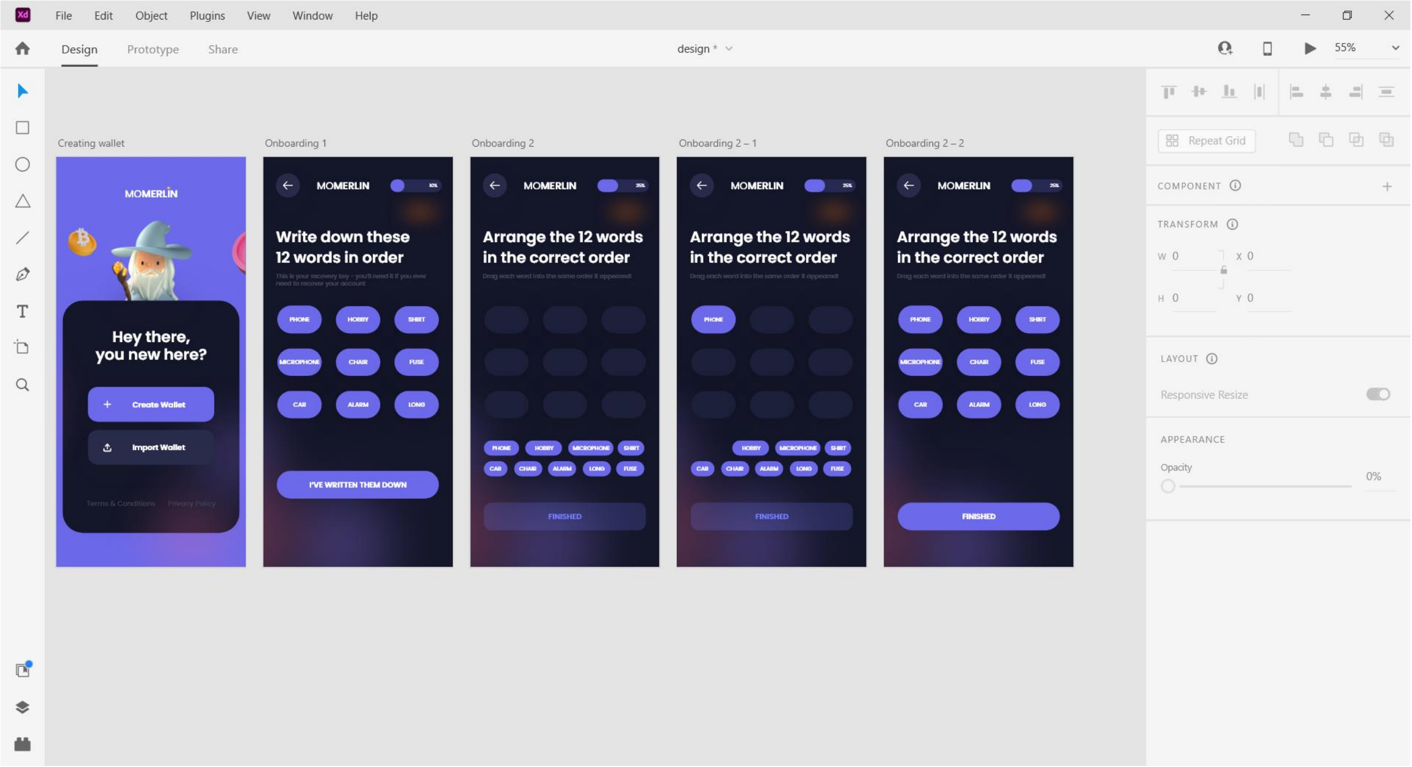
Use cases diagrams

USE CASES DIAGRAM



Figma Designs

FIGMA DESIGNS

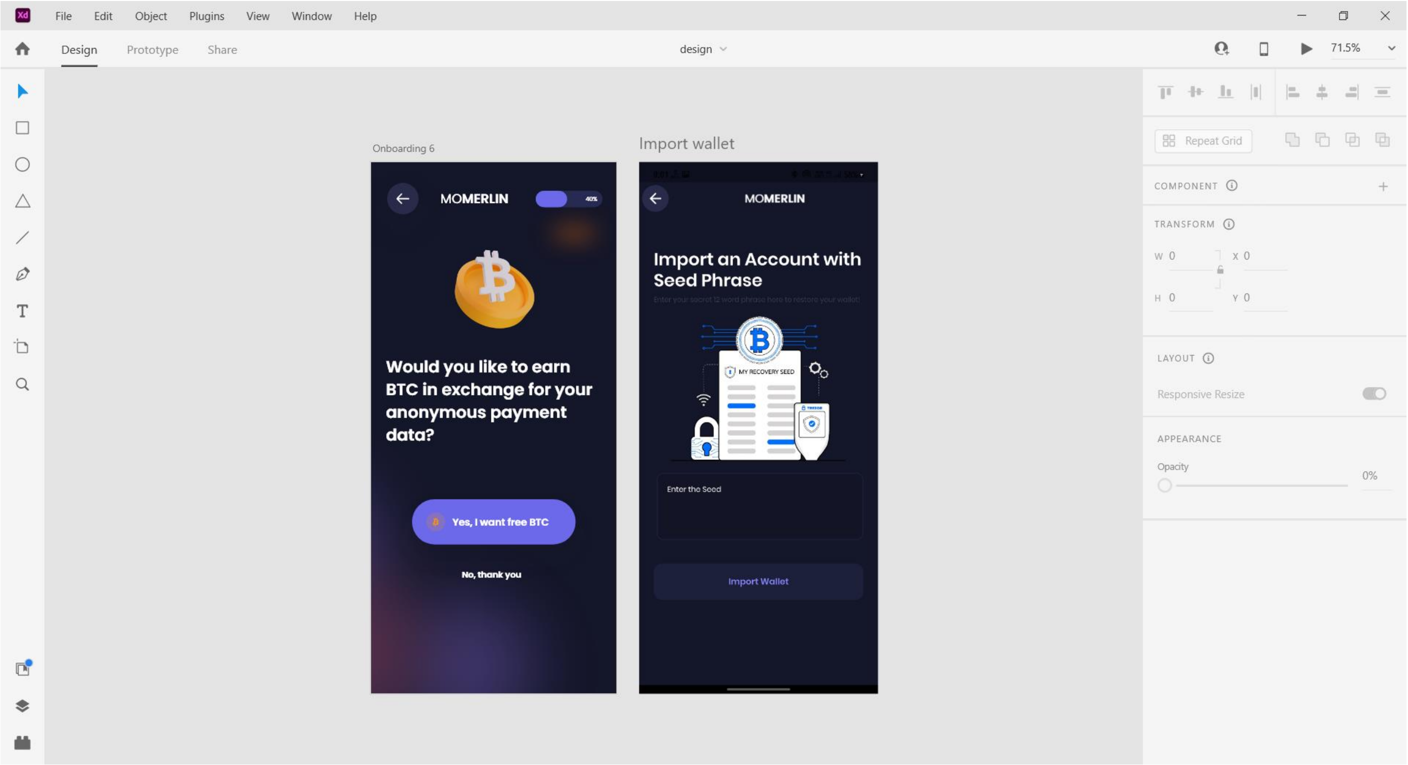


Hey there, you new here?

Write down these 12 words in order

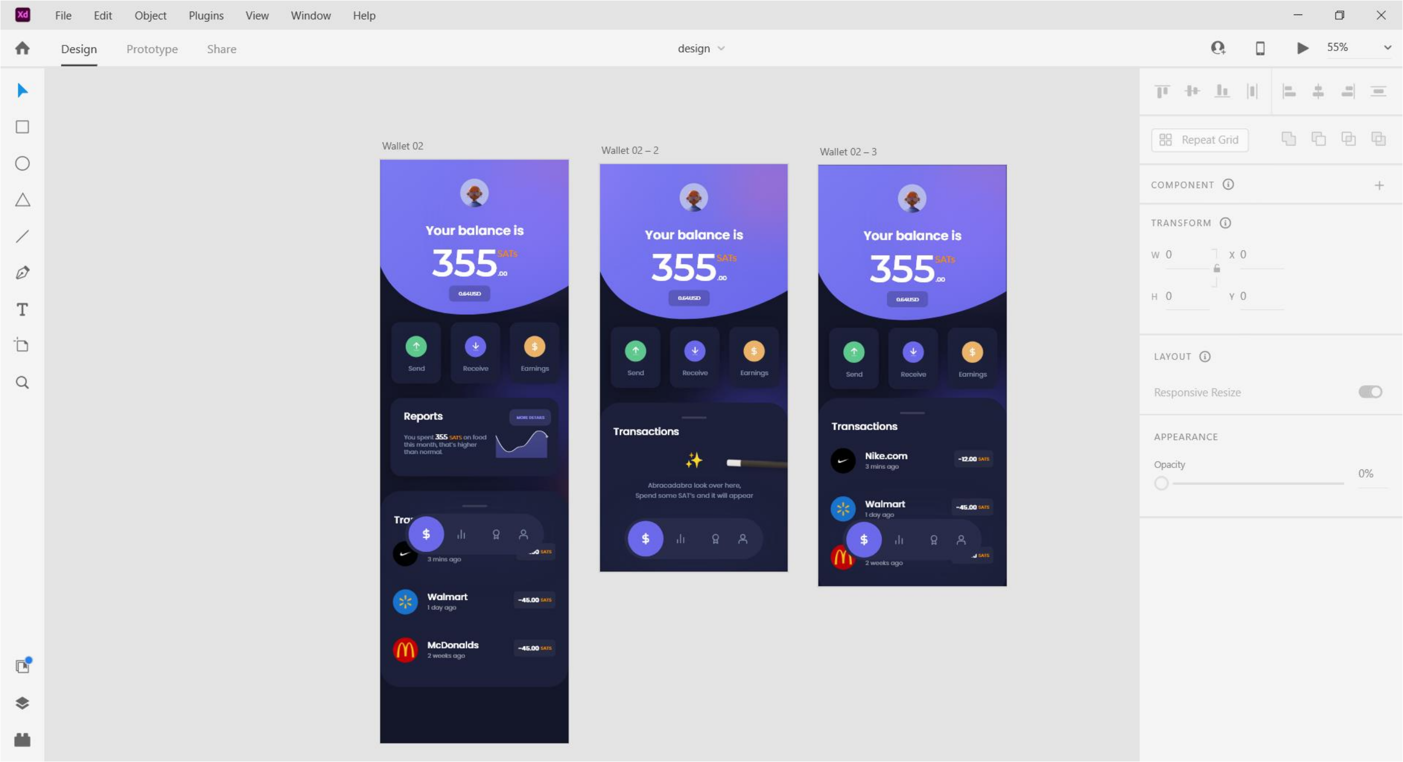
Arrange the 12 words in the correct order

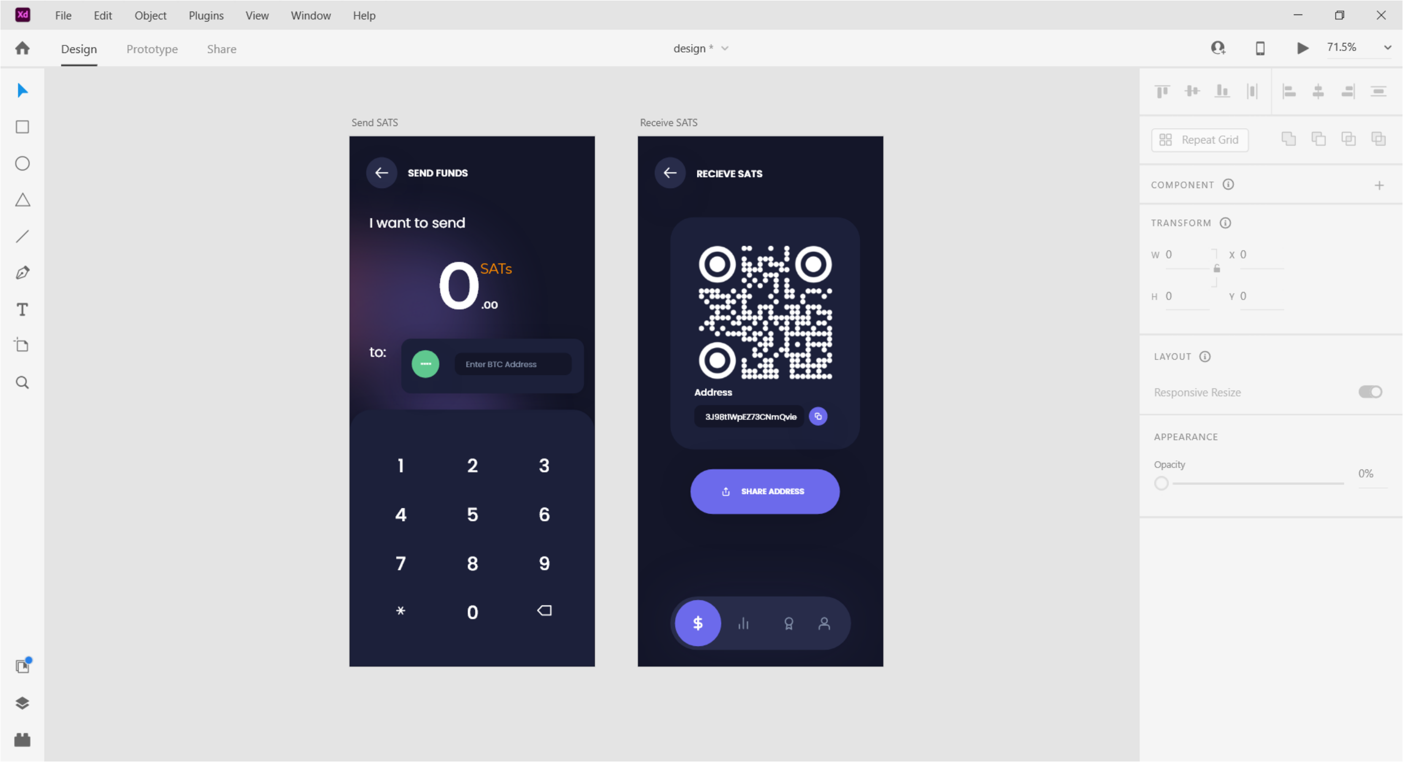
Drag each word into the same order it appeared!

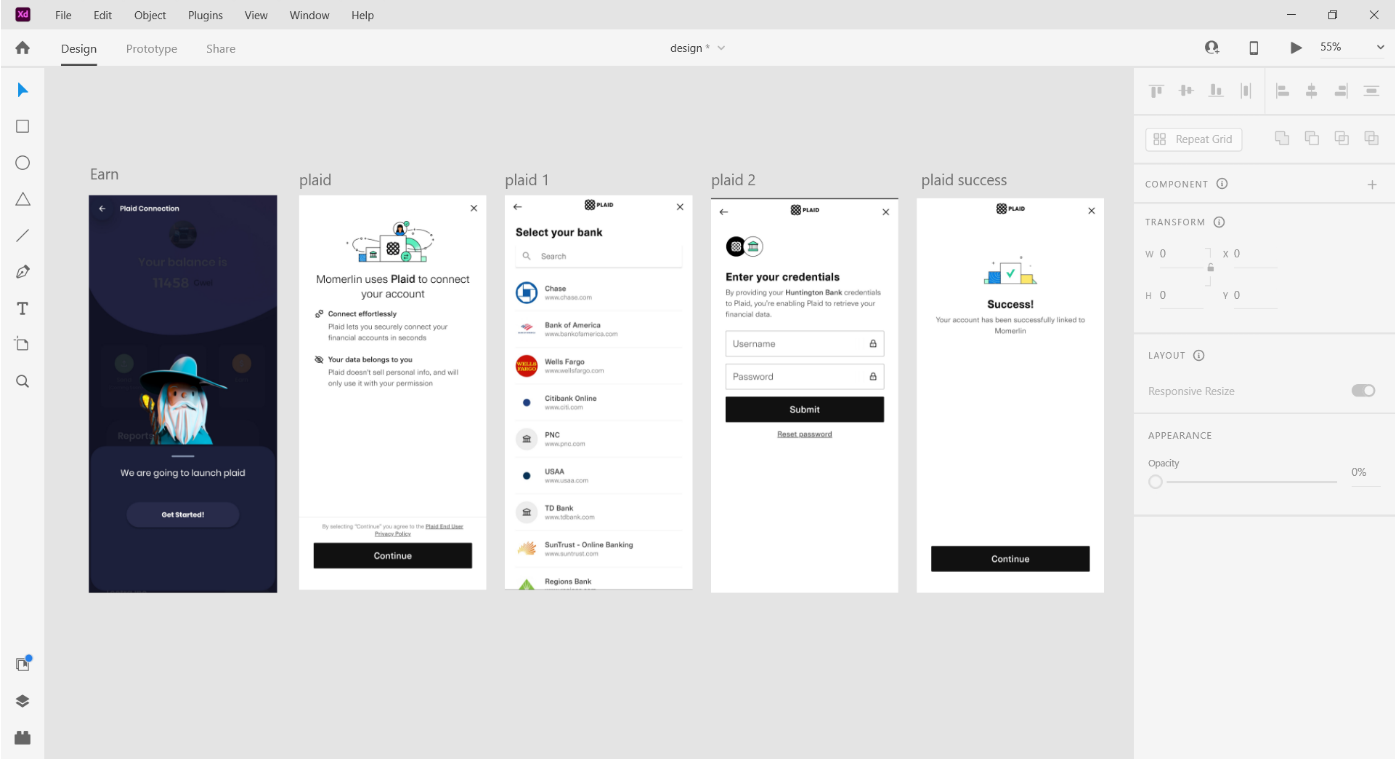


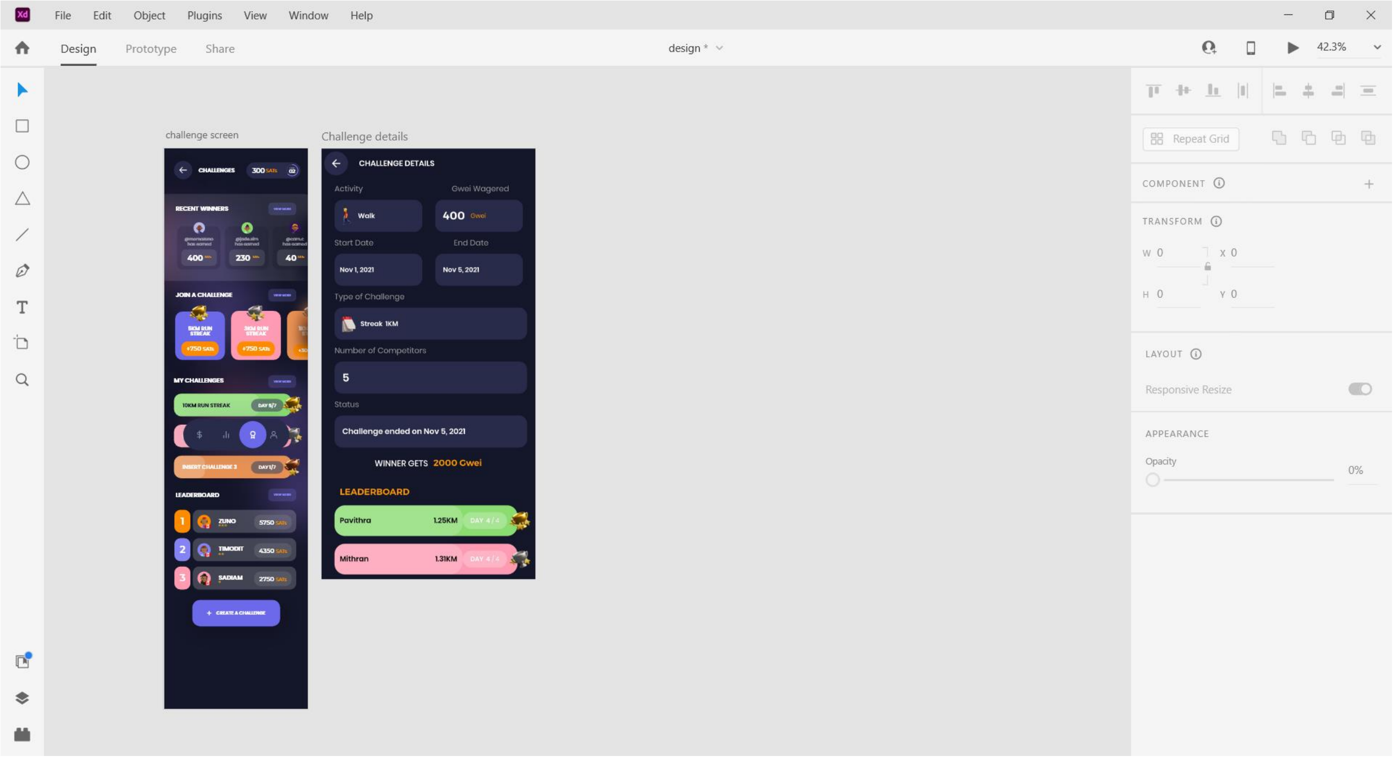
Would you like to earn BTC in exchange for your anonymous payment data?

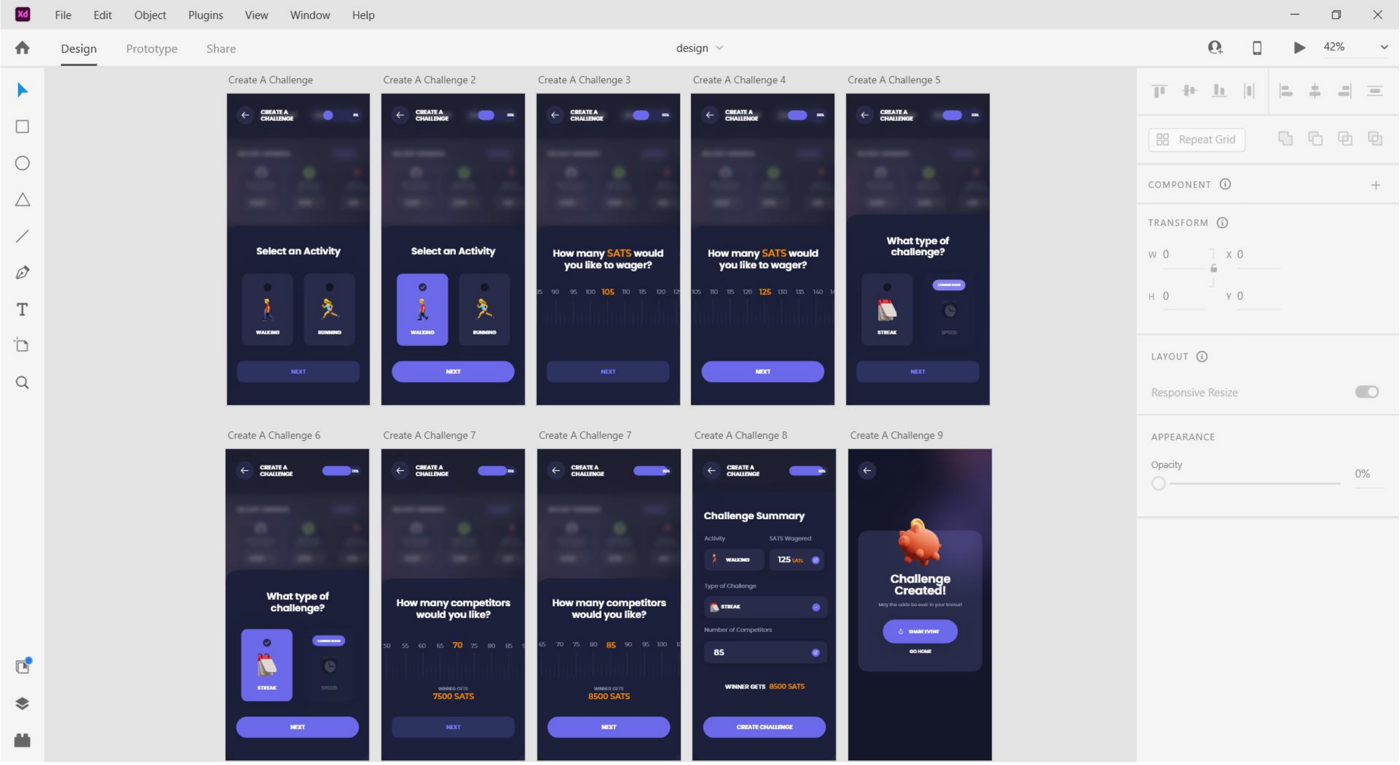
Import an Account with Seed Phrase


File
Edit
Object
Plugins
View
Window
Help
Design
Prototype
Share
design
55%
Wallet 02
Wallet 02 – 2
Wallet 02 – 3
Your balance is
355 SATs .00
Send
Receive
Earnings
Reports
You spent 355 SATs on food this month, that's higher than normal.
Transactions
Abracadabra look over here, Spend some SAT's and it will appear
Nike.com
3 mins ago
-12.00 SATS
Walmart
1 day ago
-45.00 SATS
McDonalds
2 weeks ago
-45.00 SATS
Repeat Grid
COMPONENT
TRANSFORM
W 0
X 0
H 0
Y 0
LAYOUT
Responsive Resize
APPEARANCE
Opacity
0%


File
Edit
Object
Plugins
View
Window
Help
Design
Prototype
Share
design *
71.5%
Send SATS
Receive SATS
SEND FUNDS
I want to send
0 SATs .00
to:
Enter BTC Address
1
2
3
4
5
6
7
8
9
*
0
RECIEVE SATS
Address
3J98t1WpEZ73CNmQviе
SHARE ADDRESS
Repeat Grid
COMPONENT
TRANSFORM
W 0
X 0
H 0
Y 0
LAYOUT
Responsive Resize
APPEARANCE
Opacity
0%


File
Edit
Object
Plugins
View
Window
Help
Design
Prototype
Share
design *
55%
Earn
plaid
plaid 1
plaid 2
plaid success
Plaid Connection
Your balance is
11458 Gwei
We are going to launch plaid
Get Started!
Momerlin uses Plaid to connect your account
Connect effortlessly
Plaid lets you securely connect your financial accounts in seconds
Your data belongs to you
Plaid doesn't sell personal info, and will only use it with your permission
Continue
Select your bank
Search
Chase
Bank of America
Wells Fargo
Citibank Online
PNC
USAA
TD Bank
SunTrust - Online Banking
Regions Bank
Enter your credentials
By providing your Huntington Bank credentials to Plaid, you're enabling Plaid to retrieve your financial data.
Username
Password
Submit
Reset password
Success!
Your account has been successfully linked to Momerlin
Continue
Repeat Grid
COMPONENT
TRANSFORM
W 0
X 0
H 0
Y 0
LAYOUT
Responsive Resize
APPEARANCE
Opacity
0%


File
Edit
Object
Plugins
View
Window
Help
Design
Prototype
Share
design *
42.3%
challenge screen
Challenge details
CHALLENGES
RECENT WINNERS
JOIN A CHALLENGE
MY CHALLENGES
10KM RUN STREAK
LEADERBOARD
ZUNO
TIMOKIT
SADIAM
CREATE A CHALLENGE
CHALLENGE DETAILS
Activity
Gwei Wagered
Walk
400 Gwei
Start Date
End Date
Nov 1, 2021
Nov 5, 2021
Type of Challenge
Streak 1KM
Number of Competitors
5
Status
Challenge ended on Nov 5, 2021
WINNER GETS 2000 Gwei
LEADERBOARD
Pavithra 1.25KM
Mithran 1.31KM
Repeat Grid
COMPONENT
TRANSFORM
W 0
X 0
H 0
Y 0
LAYOUT
Responsive Resize
APPEARANCE
Opacity
0%



Create A Challenge

Create A Challenge 2

Create A Challenge 3

Create A Challenge 4

Create A Challenge 5

CREATE A CHALLENGE

Select an Activity

WALKING

RUNNING

NEXT

How many SATS would you like to wager?

85 90 95 100 105 110 115 120

105 110 115 120 125 130 135 140

What type of challenge?

STREAK

SPEED

Create A Challenge 6

Create A Challenge 7

Create A Challenge 7

Create A Challenge 8

Create A Challenge 9

How many competitors would you like?

50 55 60 65 70 75 80 85

WINNER GETS 7500 SATS

65 70 75 80 85 90 95 100

WINNER GETS 8500 SATS

Challenge Summary

Activity: WALKING

SATS Wagered: 125 SATs

Type of Challenge: STREAK

Number of Competitors: 85

WINNER GETS 8500 SATS

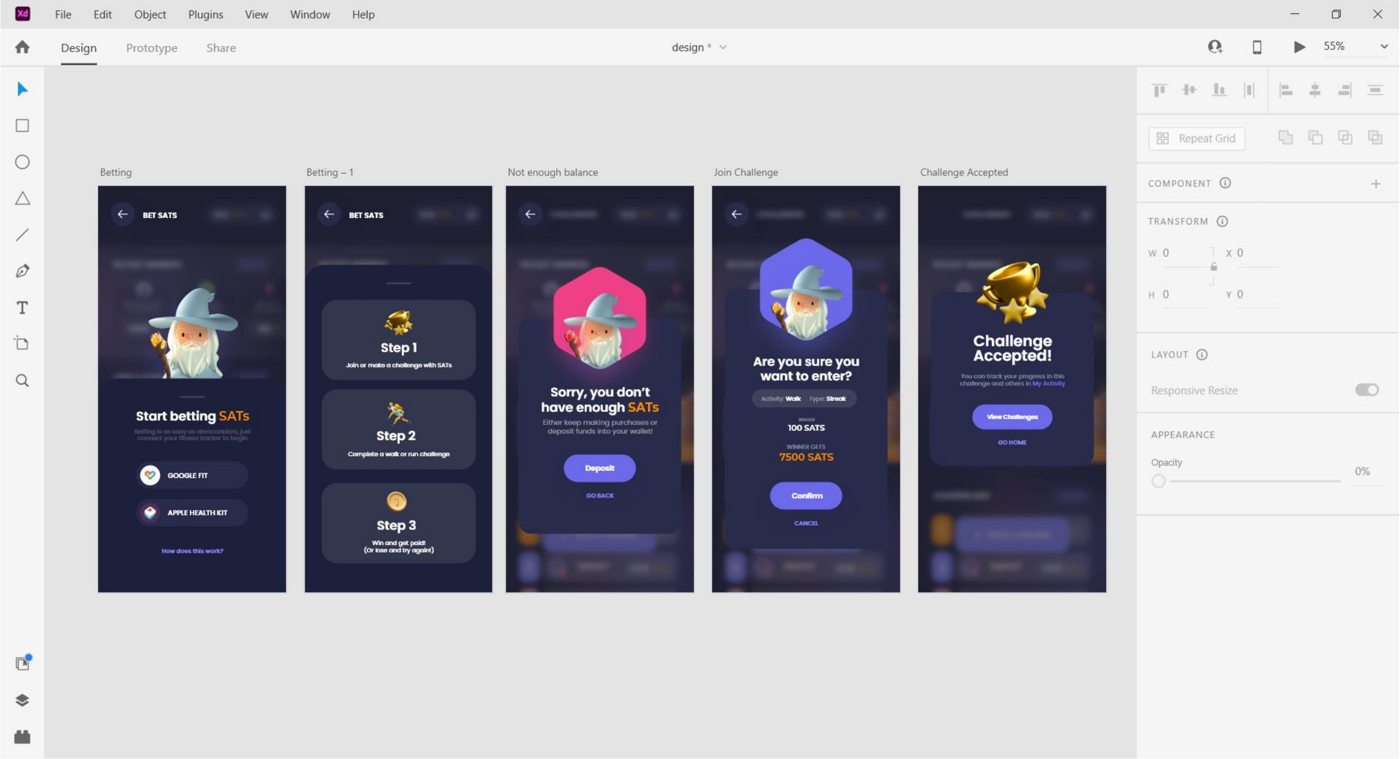
CREATE CHALLENGE

Challenge Created!

May the odds be ever in your favour!

SHARE EVENT

GO HOME



Betting

Betting – 1

Not enough balance

Join Challenge

Challenge Accepted

BET SATS

Start betting SATs

Betting is as easy as abracadabra, just connect your fitness tracker to begin

GOOGLE FIT

APPLE HEALTH KIT

How does this work?

Step 1

Join or make a challenge with SATs

Step 2

Complete a walk or run challenge

Step 3

Win and get paid! (Or lose and try again!)

Sorry, you don't have enough SATs

Either keep making purchases or deposit funds into your wallet!

Deposit

GO BACK

Are you sure you want to enter?

Activity: Walk Type: Streak

WAGER 100 SATS

WINNER GETS 7500 SATS

Confirm

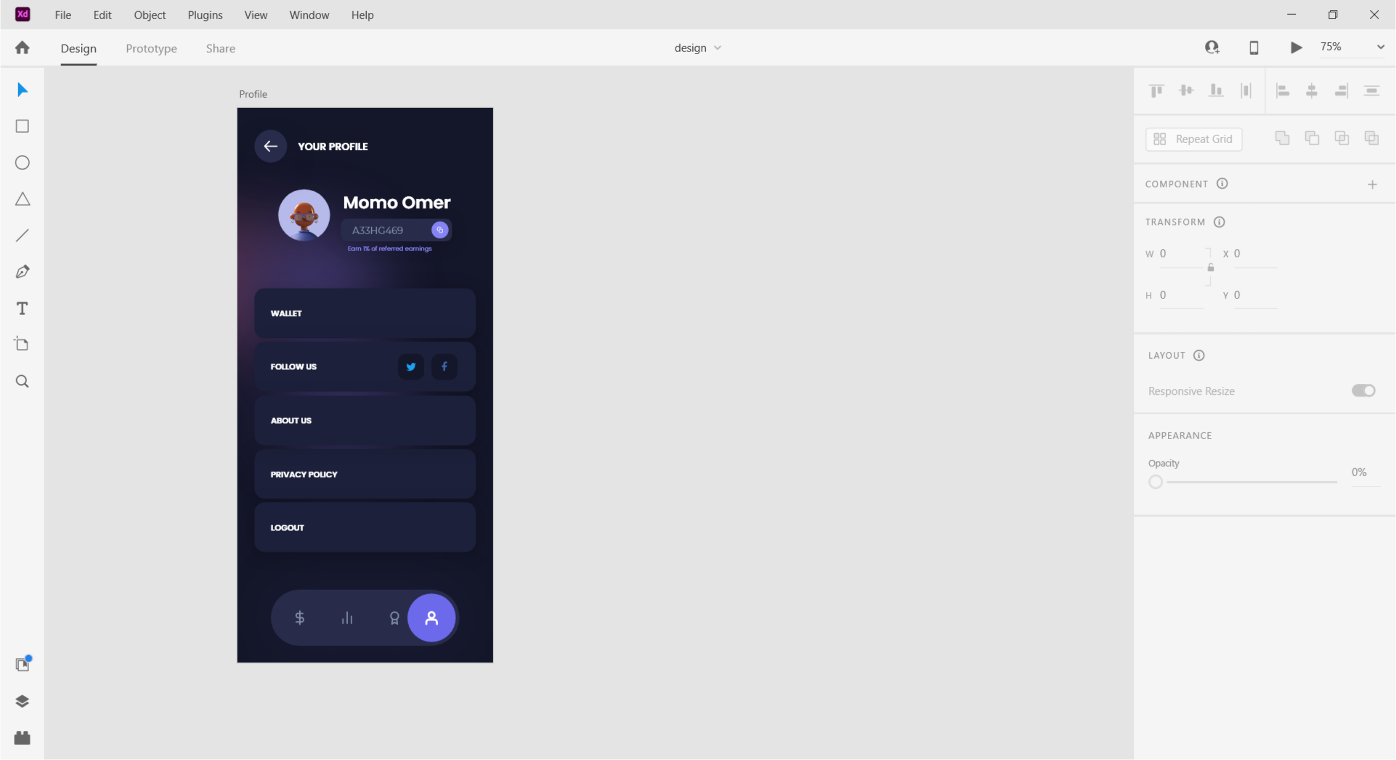
CANCEL

Challenge Accepted!

You can track your progress in this challenge and others in My Activity

View Challenges

GO HOME



W 0 X 0

H 0 Y 0

Opacity 0%

Scheme(s) for the App

SCHEME(S) FOR THE APP

The Firebase Realtime Database is a cloud-hosted database. Data is stored as JSON and synchronized in real-time to every connected client. When you build cross-platform apps Flutter & Firebase, all of your clients can share one Realtime Database instance and automatically receive updates with the newest data.

Realtime Database stores data as JSON, however enables you to access nodes of the data via a Database Reference. For example, if our data is stored as the following:

```
{
    "btcAddress":"654sdgfv6854fsgd6542",
    "ethAddress":"654sdf116s5dg4vsd68f54gcv1f6d53",
    "tronAddress": "6542s1dzxvc653421d6x5vc24sd16x5v",
    "seedEncrptd":"cxfdgvx54224ds52c45d1",
    "fullName": "raj",
    "password": "nothing"
}
```

```
{

  "users": {
    "123": {
      "name": "John"
    }
  }
}
```

- users: Creates a reference to the entire "users" object
- users/123: Creates a reference to the "123" user object
- users/123/name: Creates a reference to a property (with the value of "John")

Flutter and some flutter packages providing to easily handle the database. like store, read, update and etc. All data has stored like an object, it has an object ID with User ID provide to the user.

API for the App

API FOR APPLICATION

CREATE USER

API: https://api.momerlin.com/api/user

Method: POST

Description: This API creates a new user.

GET ALL USER

API: https://api.momerlin.com/api/users

Method: GET

Description: This API returns the list of all user.

GET PARTICULAR USER

API: https://api.momerlin.com/api/user/get?id=61ddc192ea0e4eb5dd59edfa

Method: GET

Description: This API will return a particular user's information.

CHECK NICKNAME

API: https://api.momerlin.com/api/user/checkName/:name

Method: GET

Description: This API will check and create a new nickname for the user.

CREATE CHALLENGE

API: https://api.momerlin.com/api/challenge/create

Method: POST

Description: This API will create a new challenge.

JOIN CHALLEGE

API:

https://api.momerlin.com/api/challenge/join?id=617f8c745b3f1d3b5e888ff6&challenge=617fe3c0b36f73564e507b4f

Method: PUT

Description: This API will help you to join a challenge.

GET CHALLEGES

API: https://api.momerlin.com/api/challenges?limit=10&page=1

Method: GET

Description: This API returns list of challenges we have.

GET MY CHALLEGES

API:

https://api.momerlin.com/api/user/challenges?id=615ae5d72ce0502630ee4207&limit=10&page=1

Method: GET

Description: This API returns the challenge list created by a particular user.

GET JOINED CHALLEGES

API: https://api.momerlin.com/api/challenge/joined/:id?page=1&limit=10

Method: GET

Description: This API returns the challenges that user 's have joined.

LEADERBOARD

API: https://api.momerlin.com/api/leaderboard

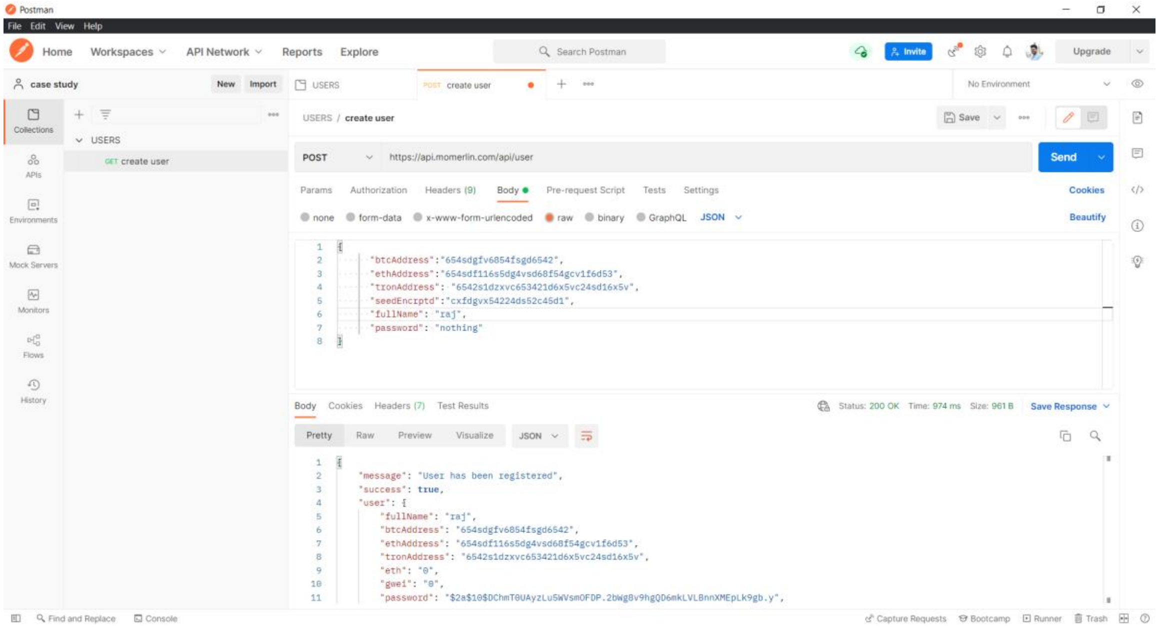
Method: GET

Description: This API returns list of leading users in all challenges.

Testing of API

API TESTING SCREENS

CREATING USER



USERS / create user

POST https://api.momerlin.com/api/user

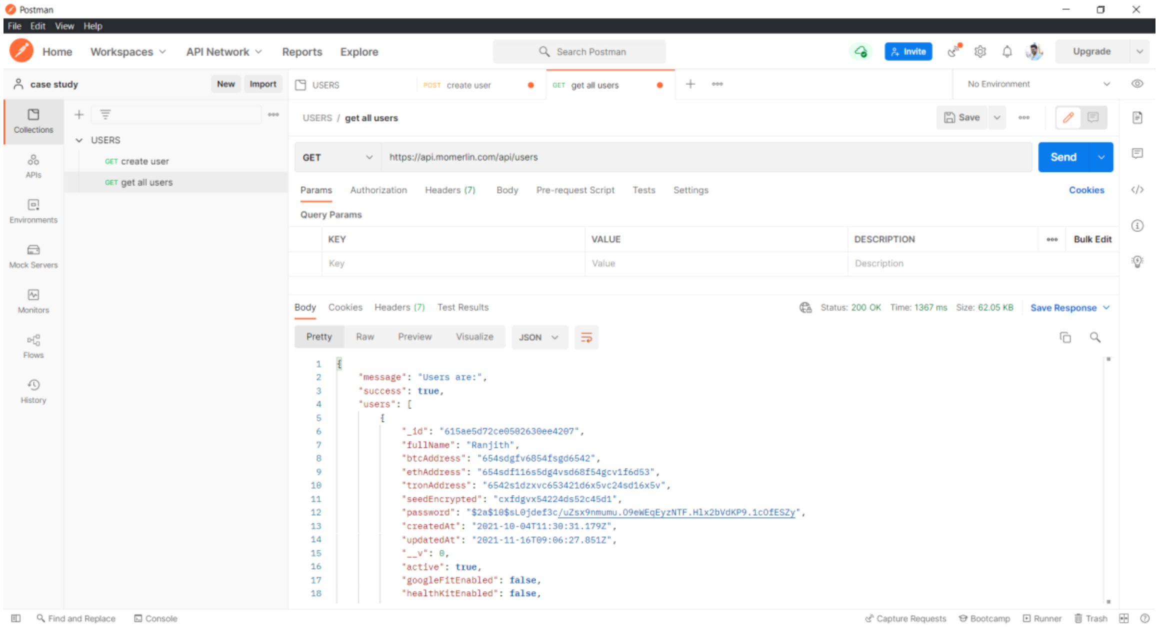
○ none ○ form-data ○ x-www-form-urlencoded ● raw ○ binary ○ GraphQL JSON

```
{
    "btcAddress":"654sdgfv6854fsgd6542",
    "ethAddress":"654sdf116s5dg4vsd68f54gcv1f6d53",
    "tronAddress": "6542s1dzxvc653421d6x5vc24sd16x5v",
    "seedEncrptd":"cxfdgvx54224ds52c45d1",
    "fullName": "raj",
    "password": "nothing"
}
```

Status: 200 OK Time: 974 ms Size: 961 B

```
{
    "message": "User has been registered",
    "success": true,
    "user": {
        "fullName": "raj",
        "btcAddress": "654sdgfv6854fsgd6542",
        "ethAddress": "654sdf116s5dg4vsd68f54gcv1f6d53",
        "tronAddress": "6542s1dzxvc653421d6x5vc24sd16x5v",
        "eth": "0",
        "gwei": "0",
        "password": "$2a$10$DChmT0UAyzLu5WVsmOFDP.2bWg8v9hgQD6mkLVLBnnXMEpLk9gb.y",
```

GET ALL USER



USERS / get all users

GET https://api.momerlin.com/api/users

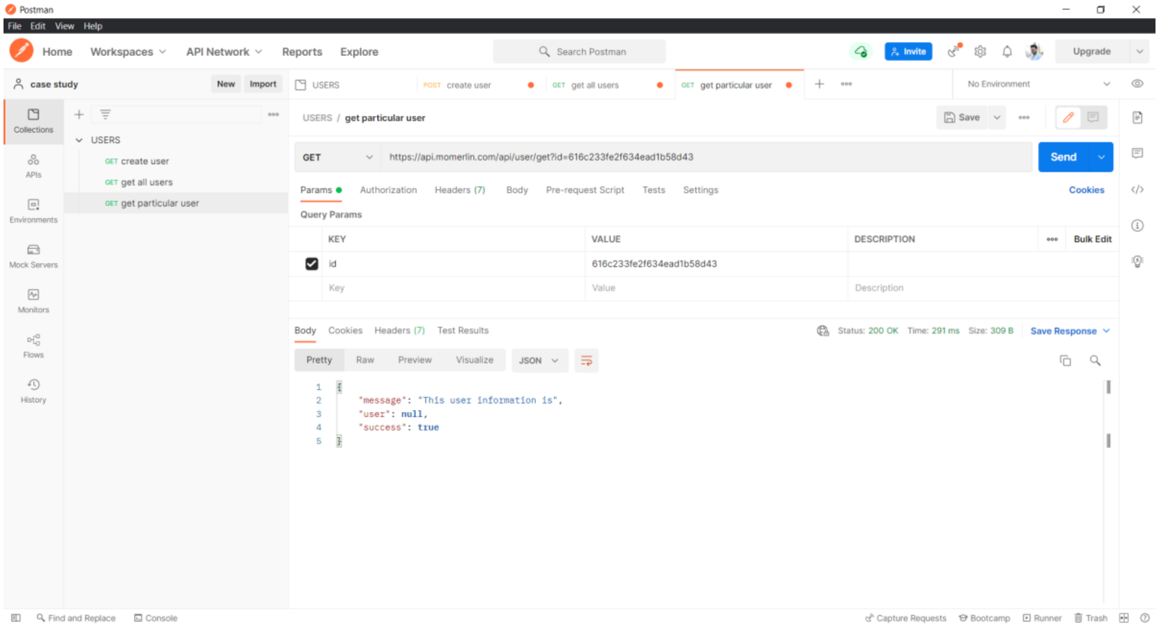
Query Params

KEY	VALUE	DESCRIPTION
Key	Value	Description

Status: 200 OK Time: 1367 ms Size: 62.05 KB

```
{
    "message": "Users are:",
    "success": true,
    "users": [
        {
            "_id": "615ae5d72ce0502630ee4207",
            "fullName": "Ranjith",
            "btcAddress": "654sdgfv6854fsgd6542",
            "ethAddress": "654sdf116s5dg4vsd68f54gcv1f6d53",
            "tronAddress": "6542s1dzxvc653421d6x5vc24sd16x5v",
            "seedEncrypted": "cxfdgvx54224ds52c45d1",
            "password": "$2a$10$sL0jdef3c/uZsx9nmumu.O9eWEqEyzNTF.Hlx2bVdKP9.1cOfESZy",
            "createdAt": "2021-10-04T11:30:31.179Z",
            "updatedAt": "2021-11-16T09:06:27.851Z",
            "__v": 0,
            "active": true,
            "googleFitEnabled": false,
            "healthKitEnabled": false,
```

GET PARTICULAR USER



USERS / get particular user

GET https://api.momerlin.com/api/user/get?id=616c233fe2f634ead1b58d43

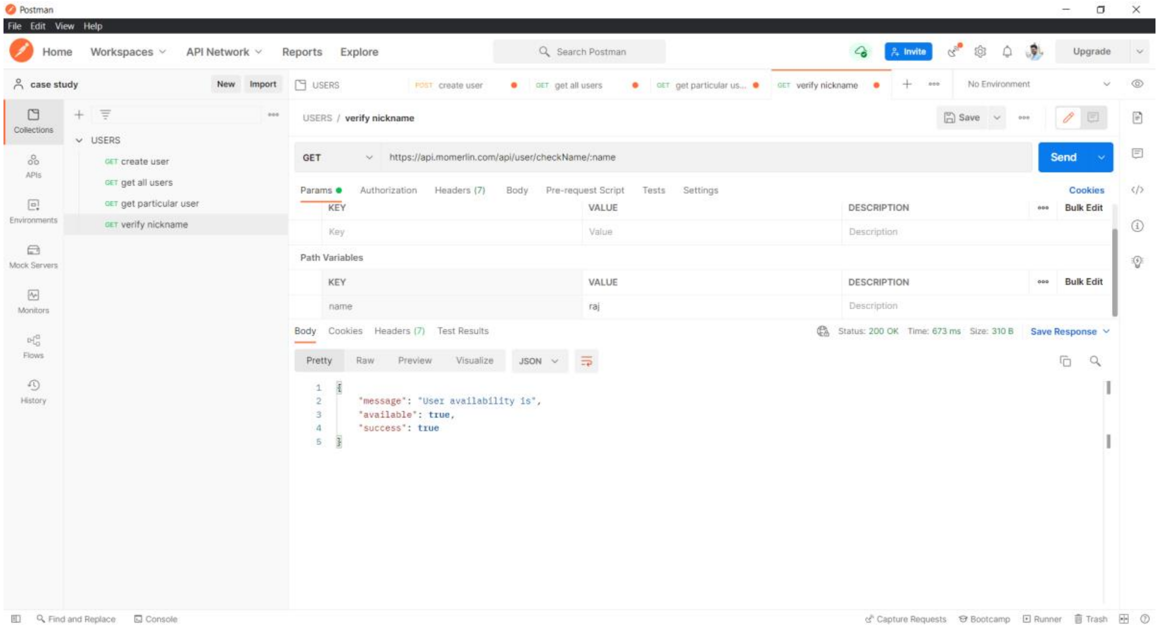
Query Params

	KEY	VALUE	DESCRIPTION
☑	id	616c233fe2f634ead1b58d43	
	Key	Value	Description

Status: 200 OK Time: 291 ms Size: 309 B

```
{
    "message": "This user information is",
    "user": null,
    "success": true
}
```

CHECKING NICKNAME



USERS / verify nickname

GET https://api.momerlin.com/api/user/checkName/:name

KEY	VALUE	DESCRIPTION
Key	Value	Description

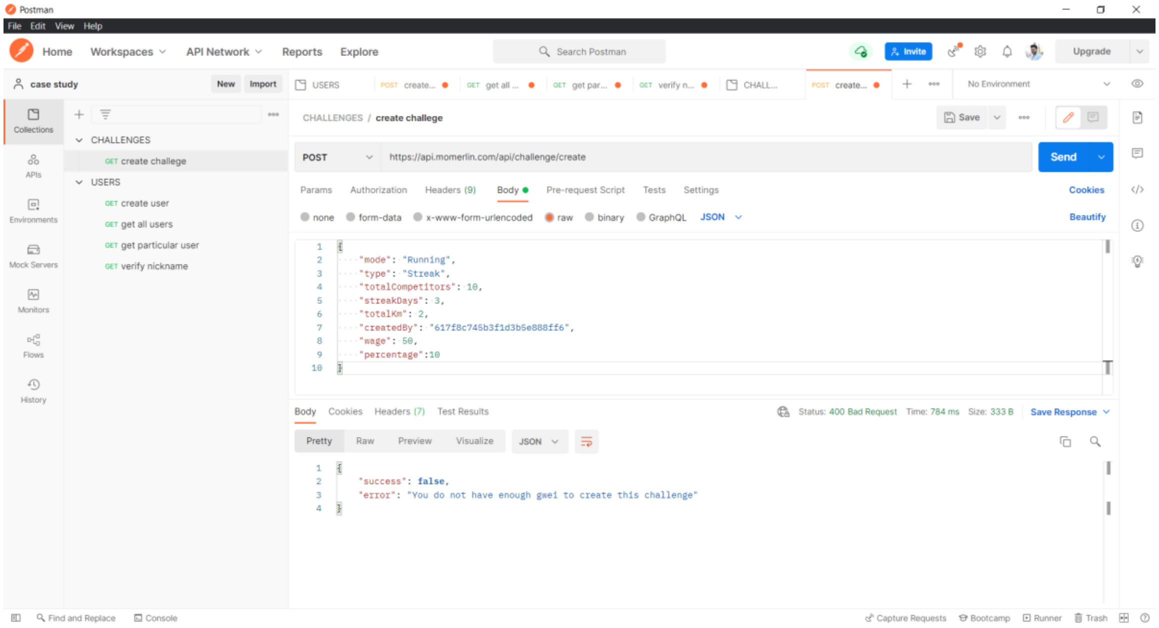
Path Variables

KEY	VALUE	DESCRIPTION
name	raj	Description

Status: 200 OK Time: 673 ms Size: 310 B

```
{
    "message": "User availability is",
    "available": true,
    "success": true
}
```

CREATE CHALLENGE



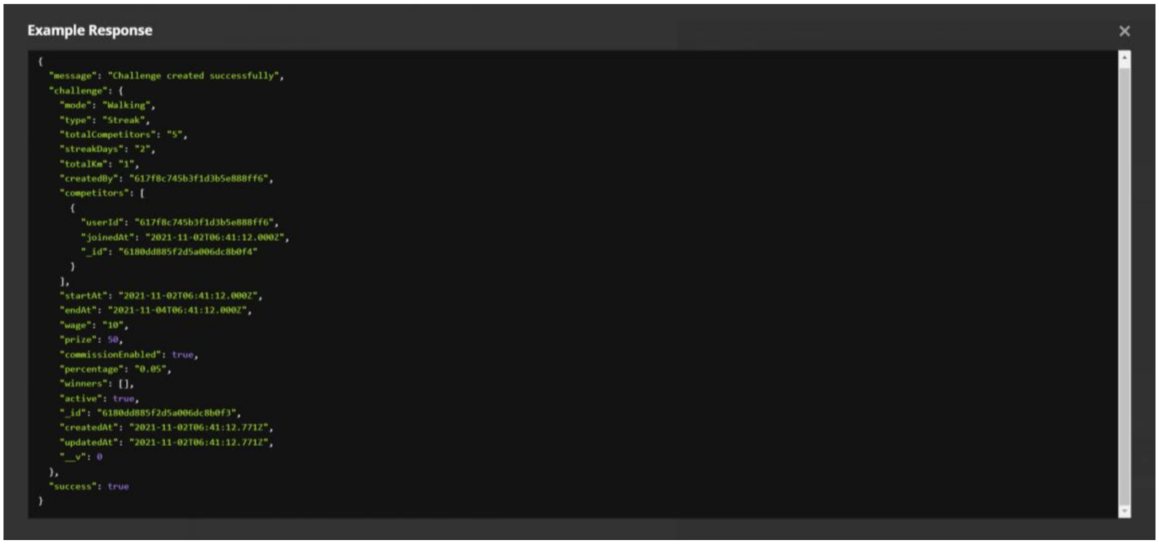
POST https://api.momerlin.com/api/challenge/create

○ none ○ form-data ○ x-www-form-urlencoded ● raw ○ binary ○ GraphQL JSON

```
{
    "mode": "Running",
    "type": "Streak",
    "totalCompetitors": 10,
    "streakDays": 3,
    "totalKm": 2,
    "createdBy": "617f8c745b3f1d3b5e888ff6",
    "wage": 50,
    "percentage":10
}
```

Status: 400 Bad Request Time: 784 ms Size: 333 B

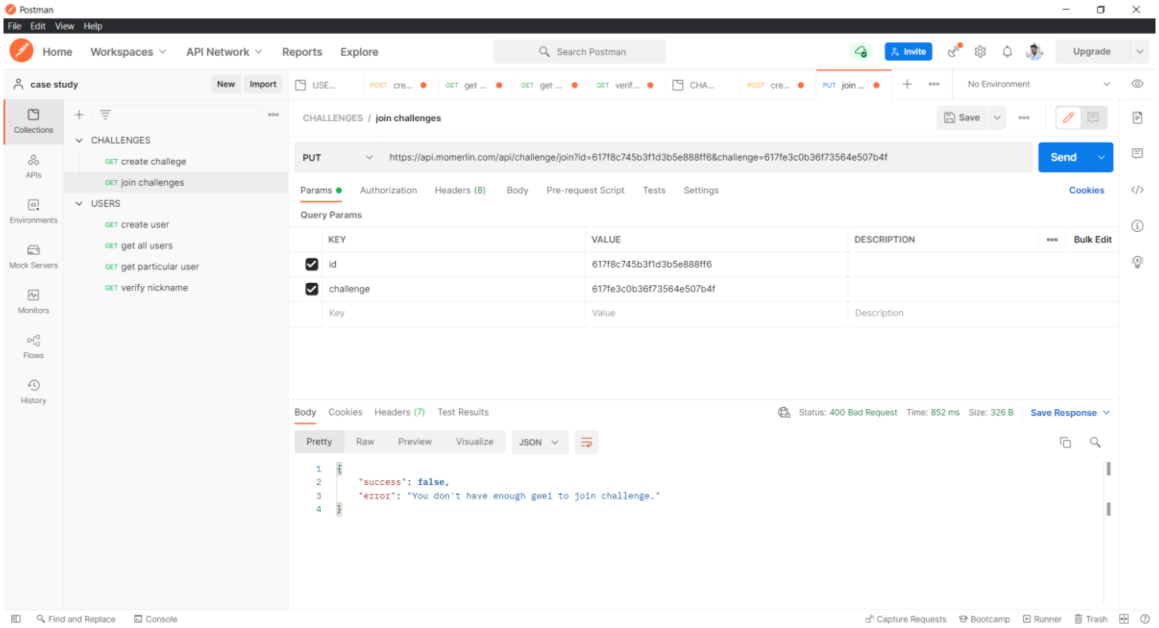
```
{
    "success": false,
    "error": "You do not have enough gwei to create this challenge"
}
```



Example Response

```
{
  "message": "Challenge created successfully",
  "challenge": {
    "mode": "Walking",
    "type": "Streak",
    "totalCompetitors": "5",
    "streakDays": "2",
    "totalKm": "1",
    "createdBy": "617f8c745b3f1d3b5e888ff6",
    "competitors": [
      {
        "userId": "617f8c745b3f1d3b5e888ff6",
        "joinedAt": "2021-11-02T06:41:12.000Z",
        "_id": "6180dd885f2d5a006dc8b0f4"
      }
    ],
    "startAt": "2021-11-02T06:41:12.000Z",
    "endAt": "2021-11-04T06:41:12.000Z",
    "wage": "10",
    "prize": 50,
    "commissionEnabled": true,
    "percentage": "0.05",
    "winners": [],
    "active": true,
    "_id": "6180dd885f2d5a006dc8b0f3",
    "createdAt": "2021-11-02T06:41:12.771Z",
    "updatedAt": "2021-11-02T06:41:12.771Z",
    "__v": 0
  },
  "success": true
}
```

JOIN CHALLEGE



CHALLENGES / join challenges

PUT https://api.momerlin.com/api/challenge/join?id=617f8c745b3f1d3b5e888ff6&challenge=617fe3c0b36f73564e507b4f

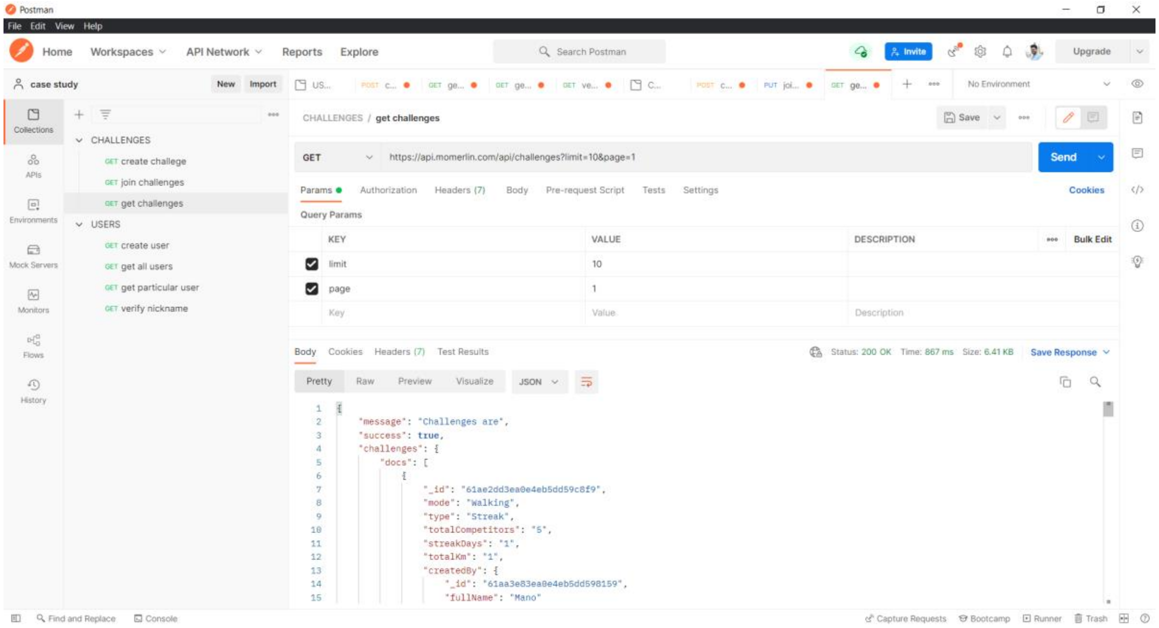
Query Params

	KEY	VALUE	DESCRIPTION
☑	id	617f8c745b3f1d3b5e888ff6	
☑	challenge	617fe3c0b36f73564e507b4f	
	Key	Value	Description

Body — Status: 400 Bad Request Time: 852 ms Size: 326 B

```
{
    "success": false,
    "error": "You don't have enough gwei to join challenge."
}
```

GET ALL CHALLENGS



CHALLENGES / get challenges

GET https://api.momerlin.com/api/challenges?limit=10&page=1

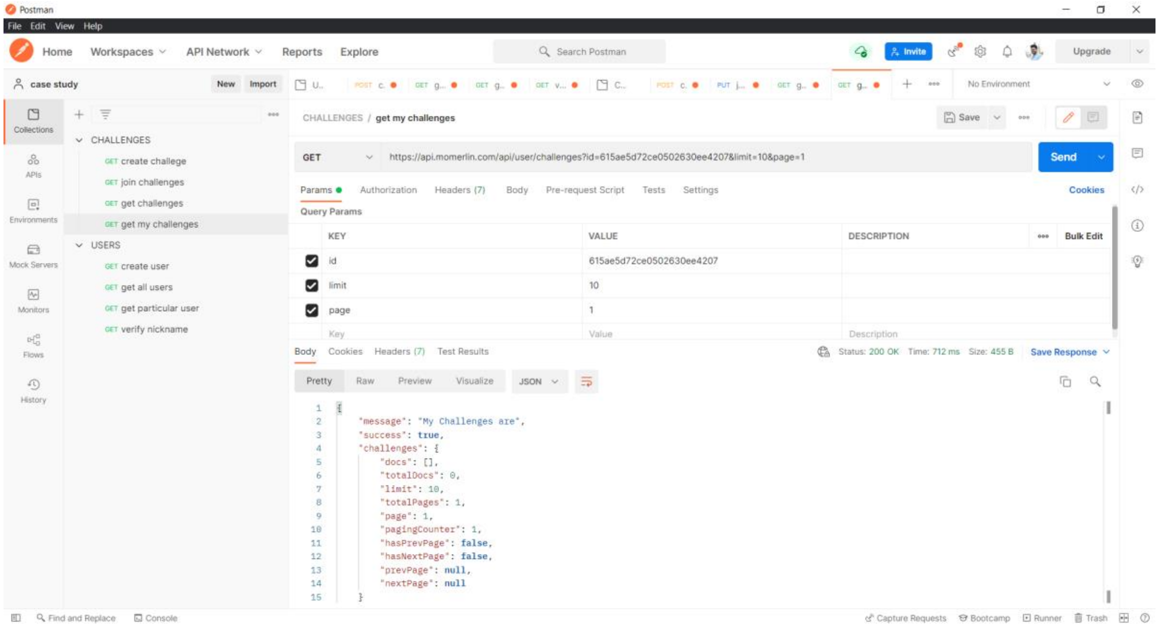
Query Params

	KEY	VALUE	DESCRIPTION
☑	limit	10	
☑	page	1	
	Key	Value	Description

Body — Status: 200 OK Time: 867 ms Size: 6.41 KB

```
{
    "message": "Challenges are",
    "success": true,
    "challenges": {
        "docs": [
            {
                "_id": "61ae2dd3ea0e4eb5dd59c8f9",
                "mode": "Walking",
                "type": "Streak",
                "totalCompetitors": "5",
                "streakDays": "1",
                "totalKm": "1",
                "createdBy": {
                    "_id": "61aa3e83ea0e4eb5dd598159",
                    "fullName": "Mano"
```

GET MY CHALLENGES



CHALLENGES / get my challenges

GET https://api.momerlin.com/api/user/challenges?id=615ae5d72ce0502630ee4207&limit=10&page=1

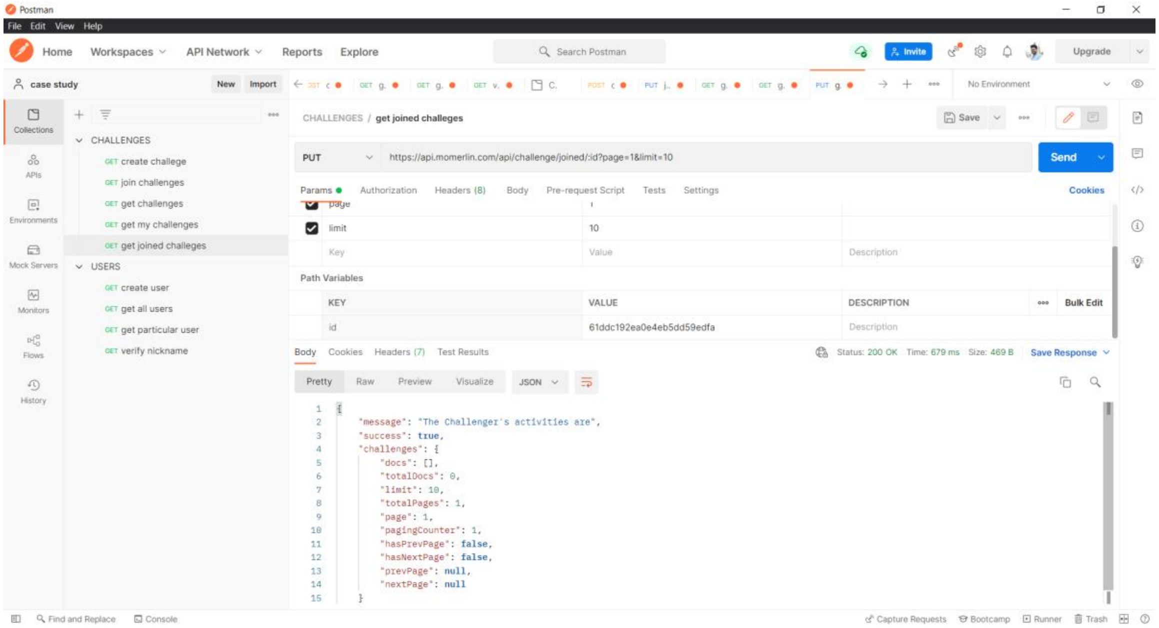
Query Params

	KEY	VALUE	DESCRIPTION
☑	id	615ae5d72ce0502630ee4207	
☑	limit	10	
☑	page	1	
	Key	Value	Description

Status: 200 OK Time: 712 ms Size: 455 B

```
{
    "message": "My Challenges are",
    "success": true,
    "challenges": {
        "docs": [],
        "totalDocs": 0,
        "limit": 10,
        "totalPages": 1,
        "page": 1,
        "pagingCounter": 1,
        "hasPrevPage": false,
        "hasNextPage": false,
        "prevPage": null,
        "nextPage": null
    }
```

GET JOINED CHALLEGES



CHALLENGES / get joined challeges

PUT https://api.momerlin.com/api/challenge/joined/:id?page=1&limit=10

	KEY	VALUE	DESCRIPTION
☑	page	1	
☑	limit	10	
	Key	Value	Description

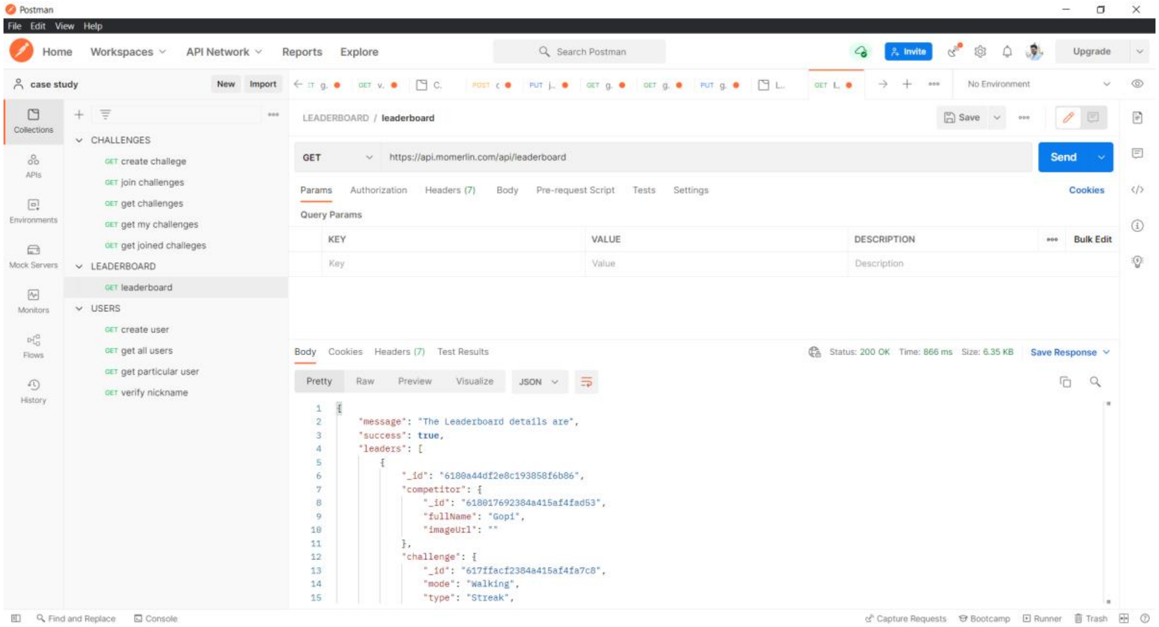
Path Variables

KEY	VALUE	DESCRIPTION
id	61ddc192ea0e4eb5dd59edfa	Description

Status: 200 OK Time: 679 ms Size: 469 B

```
{
    "message": "The Challenger's activities are",
    "success": true,
    "challenges": {
        "docs": [],
        "totalDocs": 0,
        "limit": 10,
        "totalPages": 1,
        "page": 1,
        "pagingCounter": 1,
        "hasPrevPage": false,
        "hasNextPage": false,
        "prevPage": null,
        "nextPage": null
    }
```

LEADERBOARD



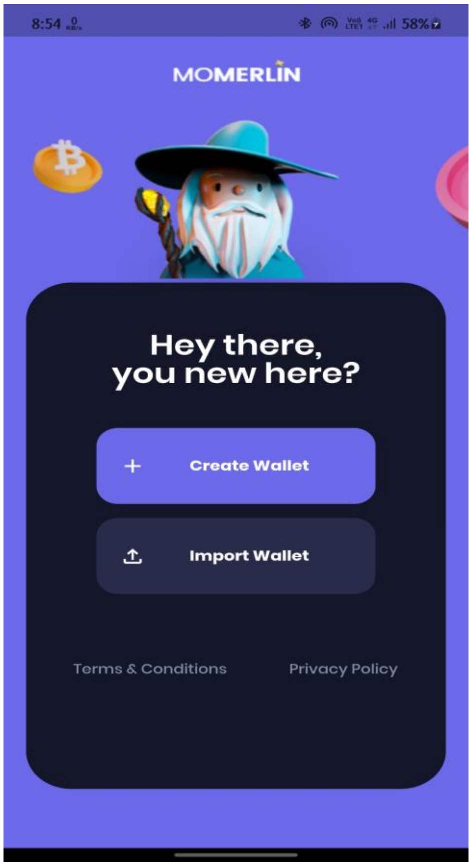
GET https://api.momerlin.com/api/leaderboard

Status: 200 OK Time: 866 ms Size: 6.35 KB

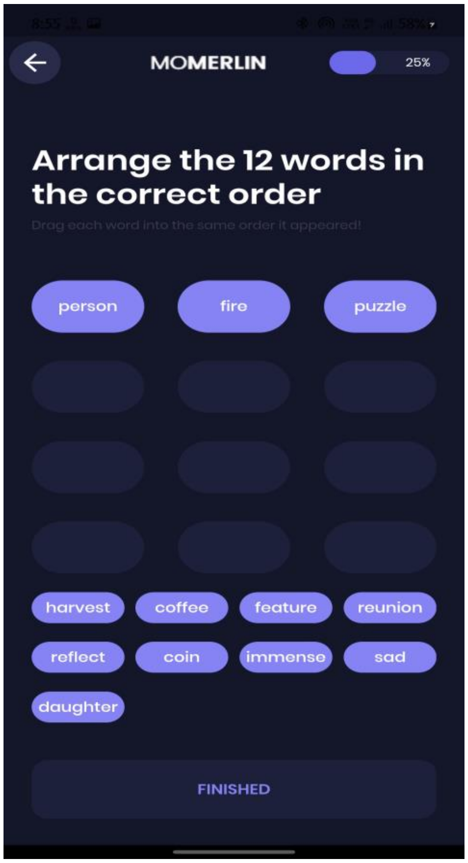
```
{
    "message": "The Leaderboard details are",
    "success": true,
    "leaders": [
        {
            "_id": "6180a44df2e8c193858f6b86",
            "competitor": {
                "_id": "618017692384a415af4fad53",
                "fullName": "Gopi",
                "imageUrl": ""
            },
            "challenge": {
                "_id": "617ffacf2384a415af4fa7c8",
                "mode": "Walking",
                "type": "Streak",
```

User Manual

USER MANUAL – EXECUTION PROCEDURE

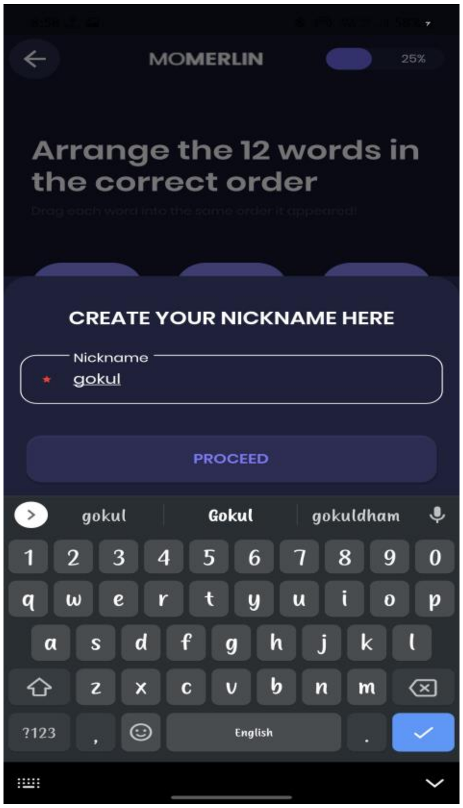


Hey there, you new here?



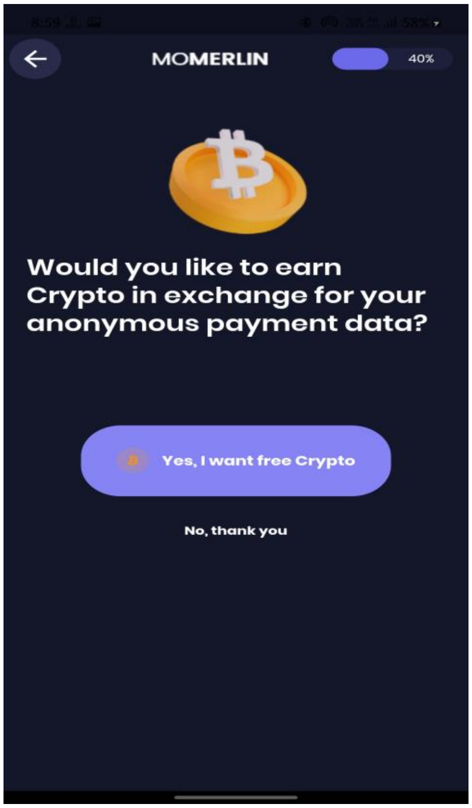
Arrange the 12 words in the correct order

Drag each word into the same order it appeared!



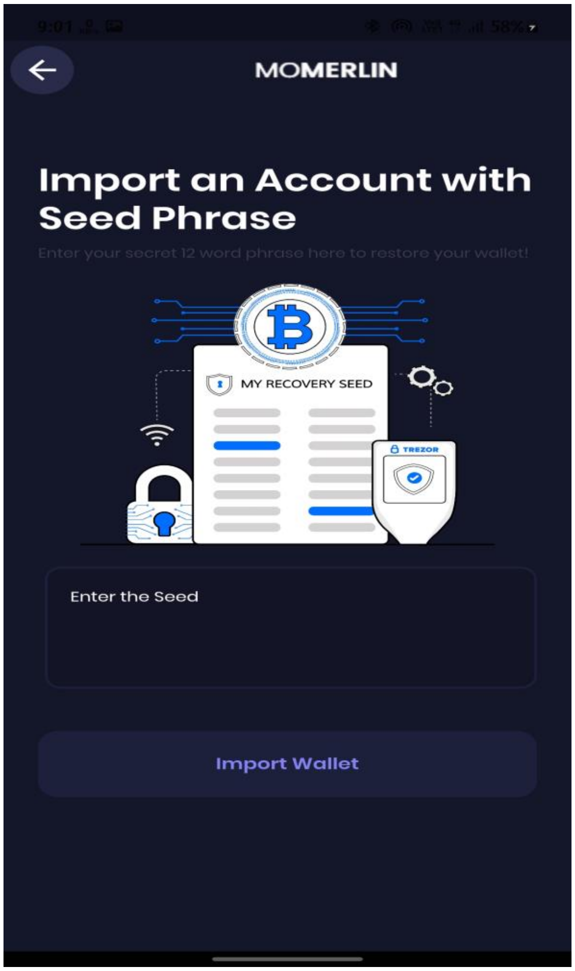
CREATE YOUR NICKNAME HERE

Nickname: gokul



Would you like to earn Crypto in exchange for your anonymous payment data?

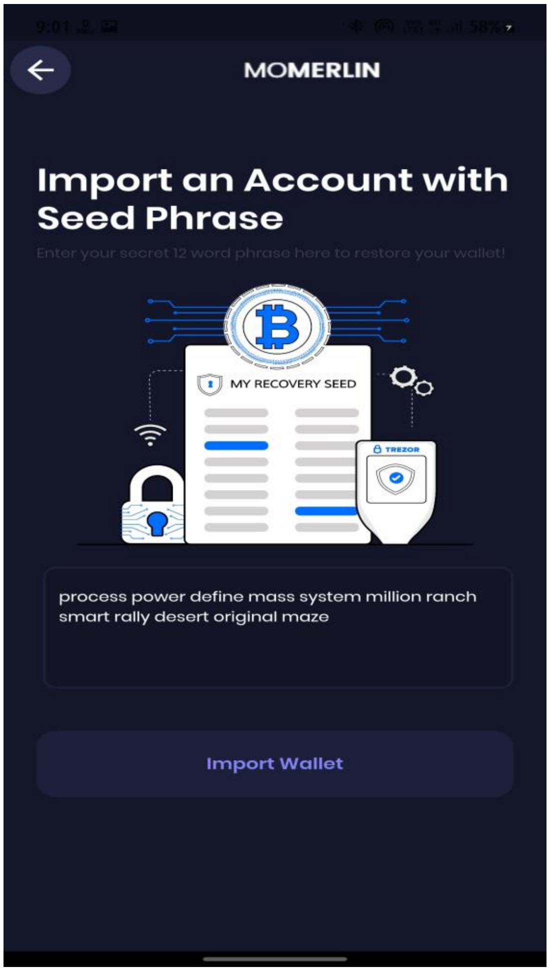
Wallet creation - New user can create an account from here with unique twelve-digit word phase from here, its also generate an address for transactions.



Import an Account with Seed Phrase

Enter your secret 12 word phrase here to restore your wallet!

Enter the Seed

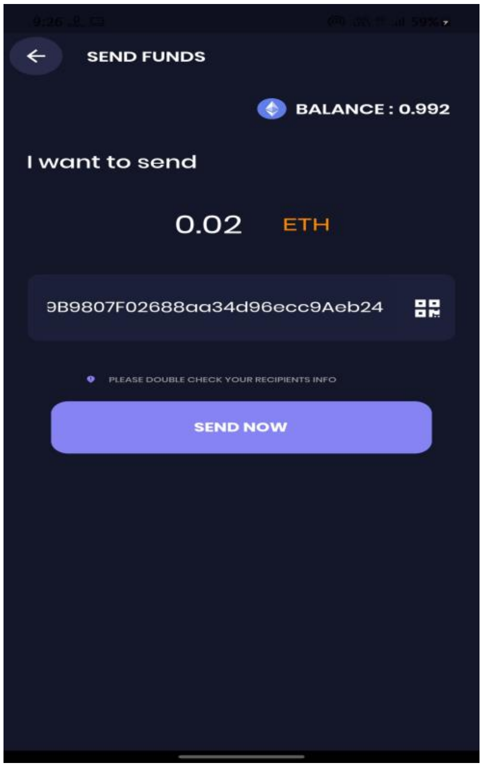


Import an Account with Seed Phrase

Enter your secret 12 word phrase here to restore your wallet!

process power define mass system million ranch smart rally desert original maze

Import wallet - Existing user can import their account from here with already generated unique twelve-digit word phase.



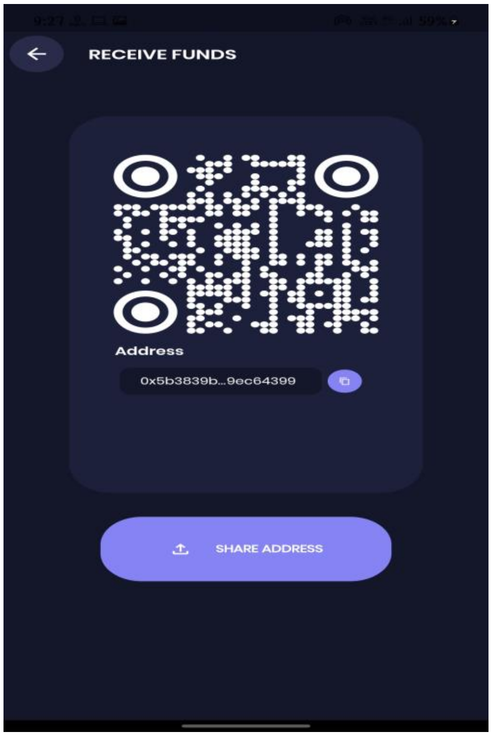
BALANCE : 0.992

I want to send

0.02 ETH

9B9807F02688aa34d96ecc9Aeb24

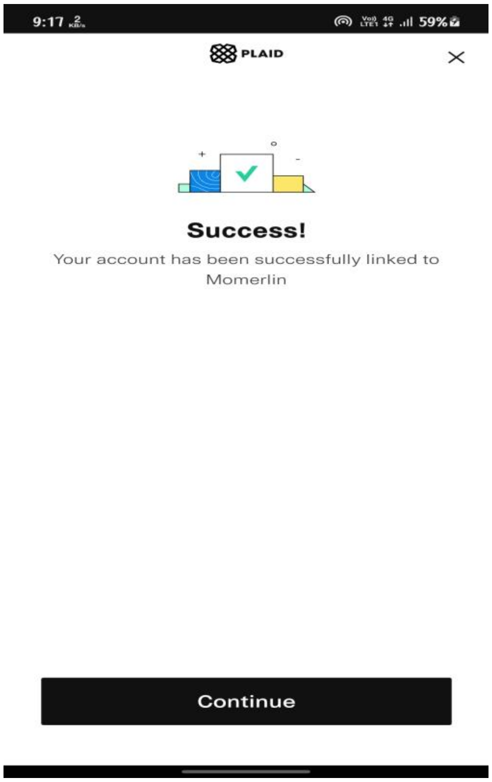
Send - User can send their crypto to another account with receiver’s unique address.



Address

0x5b3839b...9ec64399

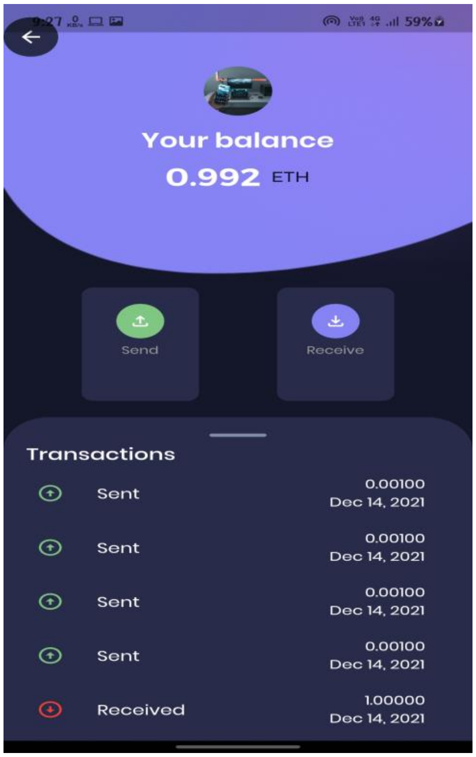
Receive - User can receive crypto from here, it can display a QR code with address for transactions and also providing sharing address.



Success!

Your account has been successfully linked to Momerlin

Earn - User can connect their plaid account from her to manage crypto.



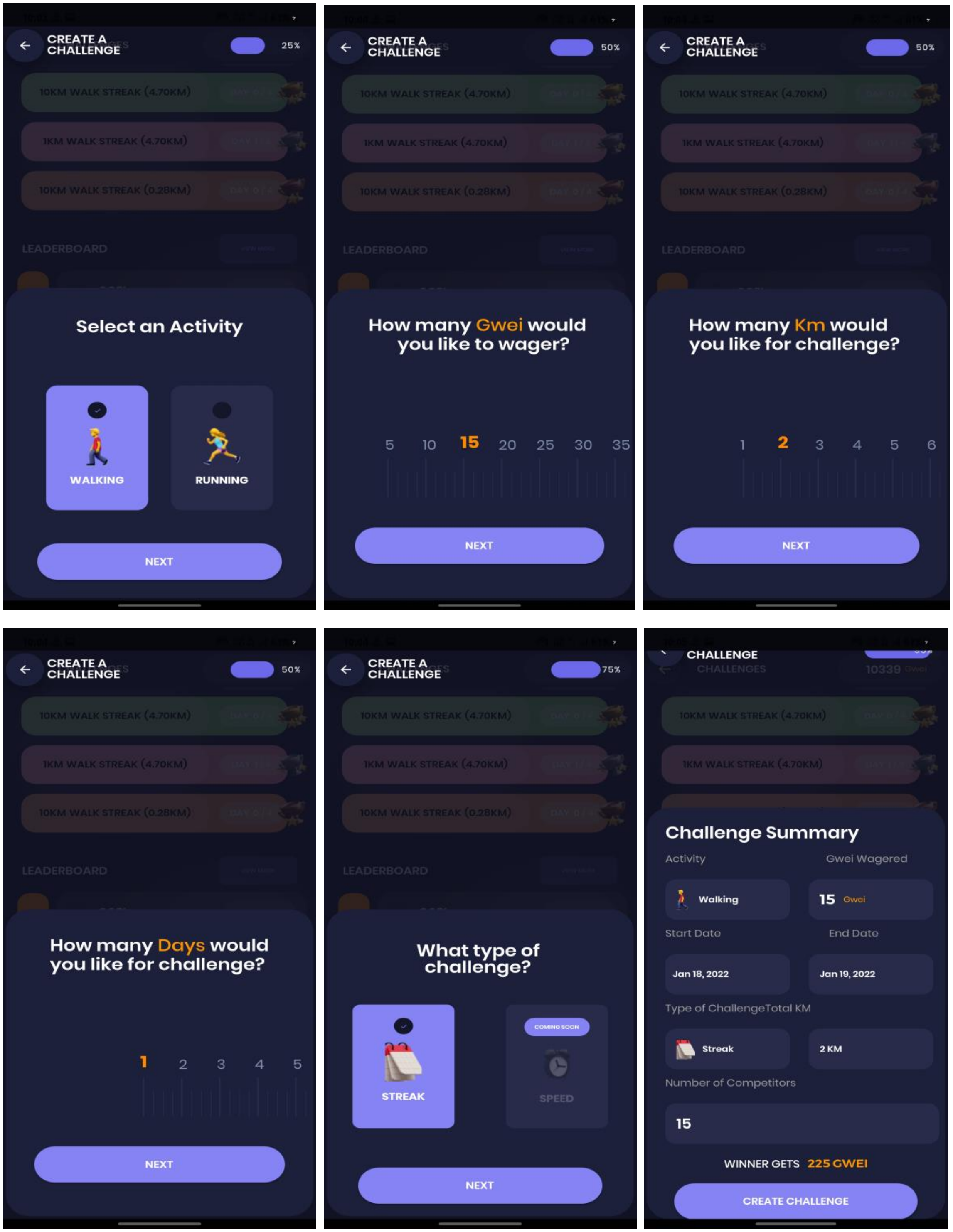
Your balance

0.992 ETH

Transactions

Sent	0.00100 Dec 14, 2021
Sent	0.00100 Dec 14, 2021
Sent	0.00100 Dec 14, 2021
Sent	0.00100 Dec 14, 2021
Received	1.00000 Dec 14, 2021

Transactions - User can check their transaction details from here.



Select an Activity

How many Gwei would you like to wager?

How many Km would you like for challenge?

How many Days would you like for challenge?

What type of challenge?

Challenge Summary

Activity: Walking

Gwei Wagered: 15 Gwei

Start Date: Jan 18, 2022

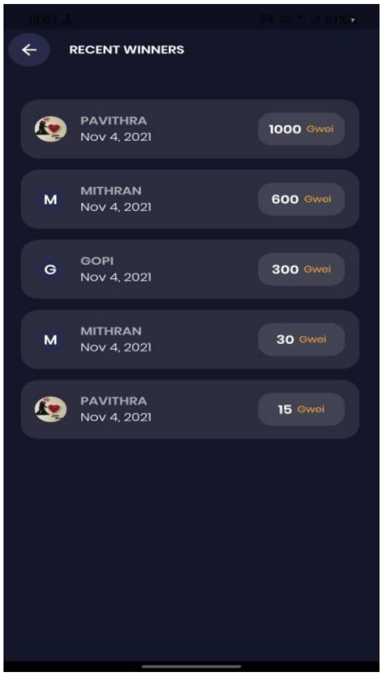
End Date: Jan 19, 2022

Type of ChallengeTotal KM: Streak 2 KM

Number of Competitors: 15

WINNER GETS 225 GWEI

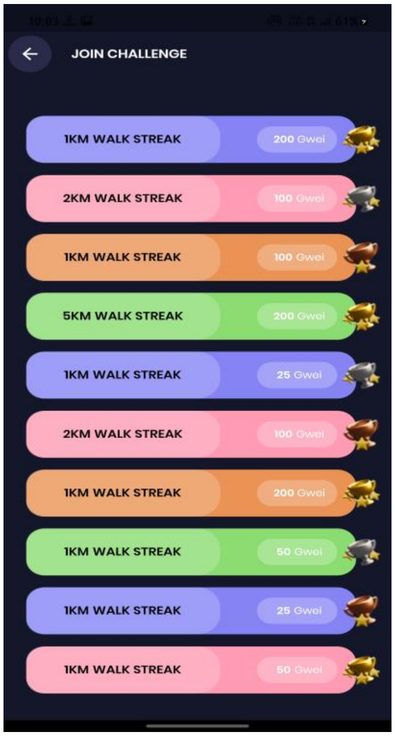
Create challenge - User can create a new challenge and host that from here with providing some challenge details.



RECENT WINNERS

PAVITHRA	Nov 4, 2021	1000 Gwei
MITHRAN	Nov 4, 2021	600 Gwei
GOPI	Nov 4, 2021	300 Gwei
MITHRAN	Nov 4, 2021	30 Gwei
PAVITHRA	Nov 4, 2021	15 Gwei

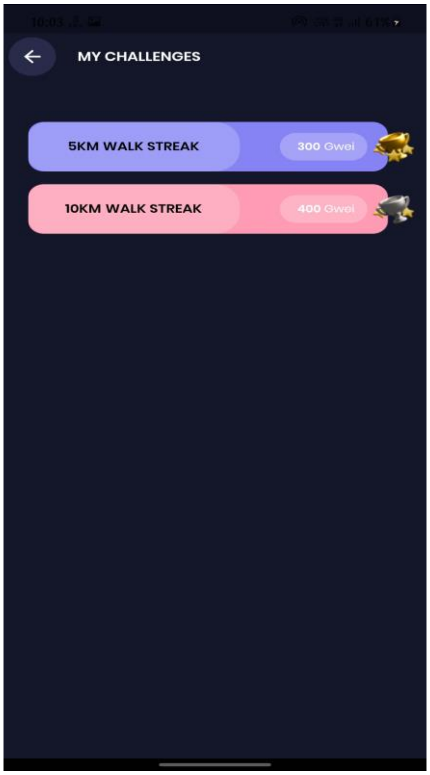
Recent winners - It has display to the user who won the challenges in recently also providing to check the challenge details.



JOIN CHALLENGE

1KM WALK STREAK	200 Gwei
2KM WALK STREAK	100 Gwei
1KM WALK STREAK	100 Gwei
5KM WALK STREAK	200 Gwei
1KM WALK STREAK	25 Gwei
2KM WALK STREAK	100 Gwei
1KM WALK STREAK	200 Gwei
1KM WALK STREAK	50 Gwei
1KM WALK STREAK	25 Gwei
1KM WALK STREAK	50 Gwei

Join challenge - User can check the challenge details and if its ok for the user, they can join any particular challenge to won the crypto.

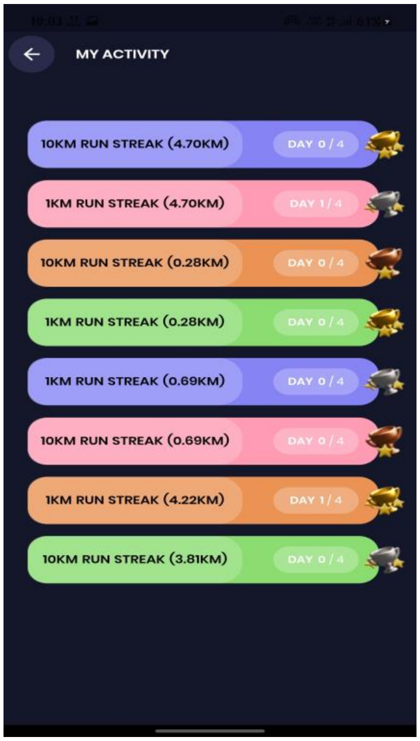


MY CHALLENGES

5KM WALK STREAK 300 Gwei

10KM WALK STREAK 400 Gwei

My challenge - User can check the how many challenges created by their self.



MY ACTIVITY

10KM RUN STREAK (4.70KM) DAY 0 / 4

1KM RUN STREAK (4.70KM) DAY 1 / 4

10KM RUN STREAK (0.28KM) DAY 0 / 4

1KM RUN STREAK (0.28KM) DAY 0 / 4

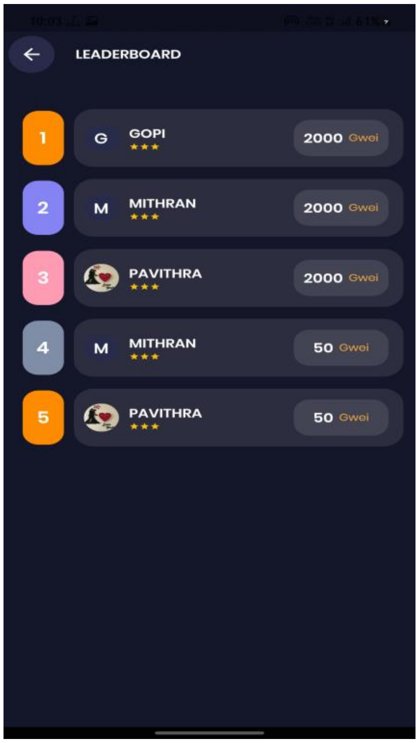
1KM RUN STREAK (0.69KM) DAY 0 / 4

10KM RUN STREAK (0.69KM) DAY 0 / 4

1KM RUN STREAK (4.22KM) DAY 1 / 4

10KM RUN STREAK (3.81KM) DAY 0 / 4

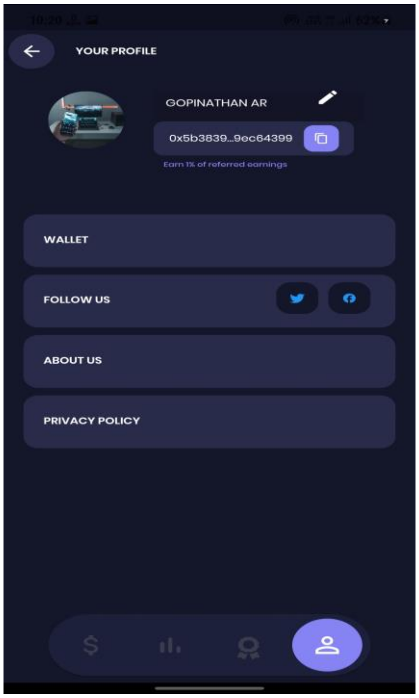
My activity - User can check their daily activities from here.



LEADERBOARD

1	G	GOPI ★★★	2000 Gwei
2	M	MITHRAN ★★★	2000 Gwei
3		PAVITHRA ★★★	2000 Gwei
4	M	MITHRAN ★★★	50 Gwei
5		PAVITHRA ★★★	50 Gwei

Leaderboard - User can saw who is the leading in all challenges and their details here.



YOUR PROFILE

GOPINATHAN AR

0x5b3839...9ec64399

Earn 1% of referred earnings

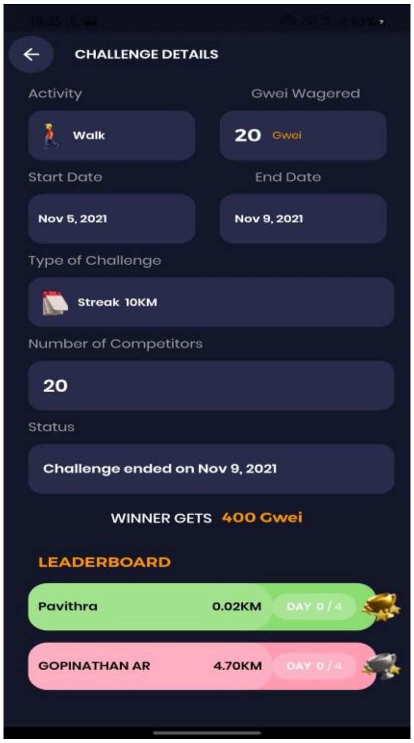
WALLET

FOLLOW US

ABOUT US

PRIVACY POLICY

Profile - User can saw their profile details and change the nickname from here.



CHALLENGE DETAILS

Activity: Walk

Gwei Wagered: 20 Gwei

Start Date: Nov 5, 2021

End Date: Nov 9, 2021

Type of Challenge: Streak 10KM

Number of Competitors: 20

Status: Challenge ended on Nov 9, 2021

WINNER GETS 400 Gwei

LEADERBOARD

Pavithra	0.02KM	DAY 0 / 4
GOPINATHAN AR	4.70KM	DAY 0 / 4

Challenge details - User can saw any challenge details like this whenever they click any challenge in the application.

Conclusion and Future enhancement

CONCLUSION

The project entitled " **MAKE ANONYMOUS PAYMENT WITH CRYPTO**" is developed using Flutter as front end and Firebase is back end.

This project covers only the basic features required. Moreover, extra features can be identified and incorporated in the future.

This project was aimed at this and it successfully achieved within the limited time period.

FUTURE ENHANCEMENT

1. Adding some more crypto.
2. May be making this Application Attractive and Fill up the User Requirements