

Blockchain Powered Money Pooling App

SharePay DApp



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01

Introduction

Problem

Sharing is Caring, so we do share our subscriptions

Your first Netflix date 😏

You are prepped with popcorn, but Netflix is on hold 🙄

Pain-point coordinating the sharing payments for subscriptions

How about we automate this, and you carryyyy on..... 🙄



SharePay DApp

SharePay is an DApp that automates the process of pulling payments from the group members and make payment to subscription services

Steps to use the service:

- Head to the platform
- Create group and give details
- Sign the contract and done!

Now enjoy your frictionless experience of sharing subscriptions.





02

Tech Stack



Stack Used



03

Product Overview



presents

Money Polling DApp

SIGN CONTRACT

Group ID	User 1 Email	User 1 Wallet Address	User 2 Email	User 2 Wallet Address	User 3 Email	User 3 Wallet Address	Service Name	Service Wallet Address	Individual Amount	Service Acc ID	Renewal Date & Time	
17	poddarsiwakhar97@gmail.com	11	spoddar@student.ubc.ca	222	allangabz@gmail.com	33	Crave	444	10	8787	2023-04-12T20:45:00Z	Remove

Total Groups: 1

Create New



Landing Page

Create Group



Creating Groups

Form to Create Group, once created, smart contract will be deployed, and users will be emailed with contract address and asking to sign the contract

A screenshot of the 'Creating New Group' form in the SHAREPAY interface. The form is a white modal box with a close button (X) in the top right corner. It contains several input fields for user information and a 'Confirm' button at the bottom. The background is a blurred view of the SHAREPAY dashboard, showing a table with columns for Group ID, User 1 Email, User 1 Wallet Address, and a 'Create New' button.

Group ID	User 1 Email	User 1 Wallet Address	User 1 Address
17	poddarvskhar97@gmail.com	11	395

Service Name: Service Wallet Address: Individual Amount: Service Account ID: Renewal Date & Time: 2023-04-12T20:43:00Z Remove

SHAREPAY

Sign Contracts

The screenshot displays the SharePay web interface. A 'Sign Contract' modal is open, featuring three input fields: 'Contract Address', 'Private Key (0x...)', and 'Public Key (0x...)', with 'Sign' and 'Cancel' buttons at the bottom. In the background, a table lists group members with columns for Group ID, User 1 Email, User 1 Wallet Address, User 2 Email, User 2 Wallet Address, User 3 Email, User 3 Wallet Address, and Service Name. A 'Create New' button is visible below the table. On the right, an email notification titled '[Action Needed] SharePay Sign' is shown, addressed to 'anshuldhariwal04@gmail.com' and 'spoddar@student.ubc.ca'. The email body includes a caution about a non-UBC email, a greeting, and instructions to sign a contract at www.sharepay.com. It is signed 'Sincerely, SharePay Admin'.

Group ID	User 1 Email	User 1 Wallet Address	User 2 Email	User 2 Wallet Address	User 3 Email	User 3 Wallet Address	Service Name
17	poddarswakhar97@gmail.com	11	spoddar@student.ubc.ca	222	allangabzo@gmail.com	33	Crave

Total Groups: 1

[Create New](#)



Sign Contracts

Use the emailed contract address and private keys to sign the contract, no information is being stored for safety purposes

Reminder



Anniversary Date

Now on your anniversary date, reminder email will be sent automatically to you for the confirmation of the subscription

[Action Needed] SharePay

Sign Your Renewal Here Inbox



anshuldhariwal... 12:56 a.m.



to me ▾

Dear User,

You were set to renew your subscription of Smart Contract Address: 0xffg123232. Please Sign this contract on www.sharepay.com & click the SIGN CONTRACT button. Thank you.

Sincerely
SharePay Admin



04

Product Demo



Let's

See the product in real

LINK

The background is dark gray with several decorative circles: a red outline circle in the top left, a solid purple circle in the top right, a solid yellow circle in the bottom left, and a cyan outline circle in the bottom right. An orange circle is centered in the upper half of the slide.

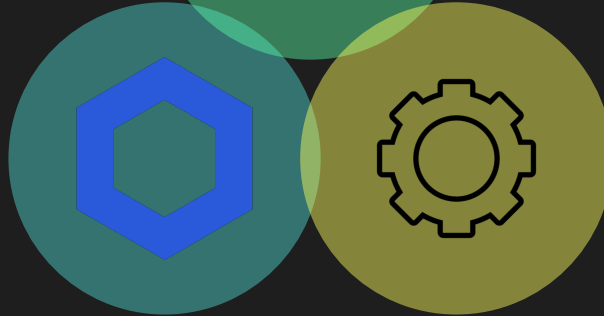
05

Future Improvements

Future Improvements

Chainlink

Integrate Chainlink Oracles, for exchange rates, automation for triggering smart contracts, & job scheduling



MetaMask

Integrating Metamask wallet for the DApp sp that users can sign or use their metamask wallets

Customization

Giving users more customization power, like payment portion calculator, in-platform subscription integration



06

Wrap-Up

Group Work

From brainstorming to debugging, group work is the solution to most problems.
Thanks to Group 1 Teammates

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Opportunities

If someone is interested in any ideas, approach each other and build next giant

Challenges


Making DApps are challenging but the community is very supportive, so seeking out help is best way to get things done if stuck

C

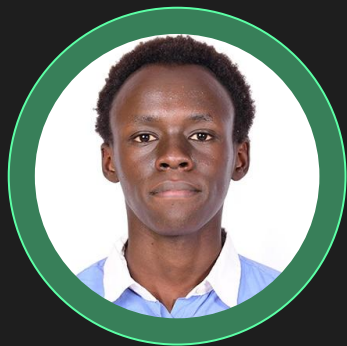
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THANKS

Thanks to all for making this class happen. Thanks to Dr. Yves for the continuous support and sponsoring us



Thanks From Team A



Allan



Anshul



Poddar