

TITLE OF PROJECT REPORT

Payment app based on eth wallet

NAME OF THE CANDIDATE(S)

Abhishek Kulkarni(33142)

Sudarshan Maskare(33148)

Kartik More(33149)

Shreyash Nahar(33152)

THRID YEAR ENGINEERING INFORMATION
TECHNOLOGY



Society for Computer Technology and Research's

PUNE INSTITUTE OF COMPUTER TECHNOLOGY

DHANKAWADI, PUNE — 43

A.Y. 2021-22

Abstract

With the rise in use of crypto wallets, there will be increase in number of users we would like to transfer funds using crypto wallets. However, the wallet addresses are too long to remember. So, there should be an infrastructure to identify wallets by other means to make recurring transactions easy. Hence, we have come up with an application that maps crypto wallets with a unique user id. Due to this we can search and conduct transactions without remembering or improperly storing the wallet addresses.

TABLE OF CONTENT

Chapter No.	Title	Page No.
1)	INTRODUCTION	1
2)	LITERATURE SURVEY	2
3)	IMPLEMENTAION DETAILS	4
4)	OUTPUT SCREENSHOTS	5
5)	CONCLUSION	9

INTRODUCTION

Motivation: With rise in use of web3 technology, there is a demand of good infrastructure for smooth use of various applications.

Purpose: To prevent users from remembering or having to store transaction details and to make recurring transactions easy.

Need of application: Users have no easy way of store transaction details of other users.

LITERATURE SURVEY

1. There are many applications that can conduct two-way transactions by creating a payment channel between sender and receiver.

<https://medium.com/@squeezer/weve-launched-oursqueezer-2-way-payment-dapp-818ae6ae57e6>

2. A simple eth wallet

<https://metamask.io/>

IMPLEMENTATION DETAILS

We have used react JS to create client-side application. Also, we have used Moralis Provider that gives access to many web3 libraries and APIs.

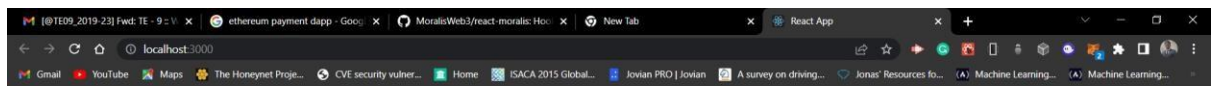
Moralis is like Firebase of crypto. Moralis provides managed backend for blockchain projects. Automatically syncing the balances of your users into the database, allowing you to set up on-chain alerts, watch smart contract events, build indexes, and so much more. All features are accessed through an easy-to-use SDK. All features Moralis provides are cross-chain by default.

In index.js file of the project: -

```
<MoralisProvider  
  appId="xxxxxx"  
  serverUrl="xxxxxx"  
>  
</Moralis Provider>
```

This wraps our app by moralis provider and we can use it.

OUTPUT SCREENSHOTS





canPay

[Home](#) [Pay](#)

Welcome

0x0980bc9d5bca1fca282dd2a91af908fd3950b894

Balance

6.298886302493898 eth

[Log out](#)



canPay

[Home](#) [Pay](#)

Friends

0xBA893B629Cd37b9FB67e24794062560eD19f5b22

[Pay](#)

0xC507C17AC6e8B70F8ccBCe36E9e034509AcA90e0

[Pay](#)

Pay Here

Amount(in ETH):-

[Send](#)

C ONCLUSION

**We have successfully created a platform for recurring transactions. However, there is
will be rise in demand of creation and maintain new infrastructure that will help the
transition from web2 to web3.**