

# Decentralized Payment Application using ethereum platform

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## introduction

Now –a-days the transactions between the individuals has been taking a huge transformation due to new advancements in the technologies. The primary focus is to build a blockchain based financial transaction application (DAAP) by using smart contracts

Blockchain is a peer-to-peer decentralized network where the power to control or authorization is distributed between the members in the chain .It maintains a transparent ledger for each and every transaction which makes it more secure.



## Model

This project use ethereum platform for developing the application. From the code perspective a smart contract is built on remix which is a browser based IDE that allows to write a smart contract. A blockchain is required to deploy the smart contract, we use ganache for development purpose. It is a local blockchain framework which is an in memory blockchain. A library is required for connecting the code to the front end application. For this we use web3.js library. We need a browser extension for connecting web browser to blockchain because most of the web browsers does not support. For this we use Metamask extension.



## Outcome

This application can be used as a payment alternative for the cryptocurrencies for day to day transactions. It allows users to have instant international transactions.

