


Unocoin

INDIA'S MOST POPULAR BITCOIN COMPANY

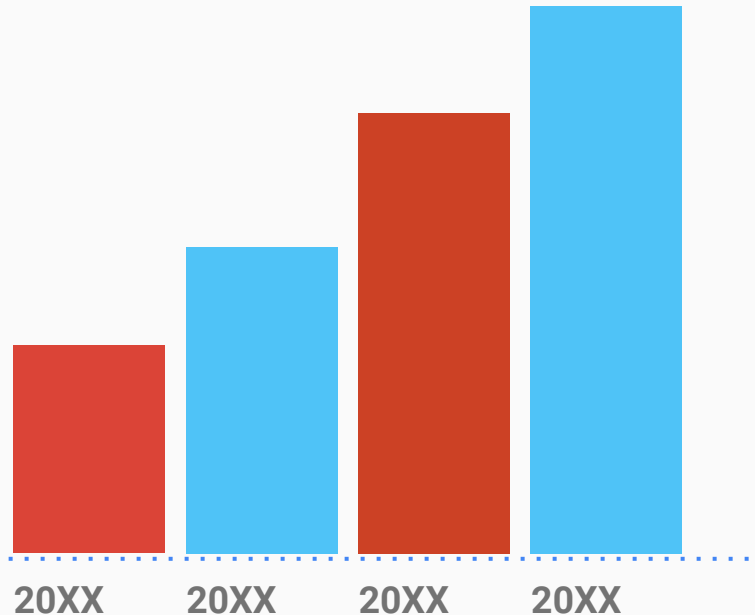
The background image shows a laptop screen. On the screen, there is a line graph with a blue line showing an upward trend, and a globe icon. The text is overlaid on the screen in a large, white, sans-serif font.

Mission statement: Cashless Indian Economy - A step towards Digital India

The problem

Promoting the use of Bitcoins through UNOCOIN as a payment method

- Introducing new features
- Extending the functionality of existing UNOCOIN system



A close-up photograph of a person's hand using a stylus to interact with a tablet. The background is blurred, showing bokeh light effects. The text 'The solution' is overlaid in white on the left side of the image.

The solution

Uniform Payment Gateway

A chrome extension that lets you shop “**ANYWHERE**” with your Unocoin Wallet

Overview

- *The proposed system provides an interface for a payment gateway to pay Bitcoins through Unocoin for Unocoin merchants as well as Non-Unocoin merchants*
- *Using the proposed system, Unocoin wallet can be used with any merchant that accepts Bitcoins, thus extending the reach of Unocoin to practically everywhere*

What all it provides?

- *No restriction for the use of Unocoin wallet only for Unocoin merchants*
- *Common interface for all merchants*
- *More user friendly*
- *Secure transactions*

How it works

Step 1

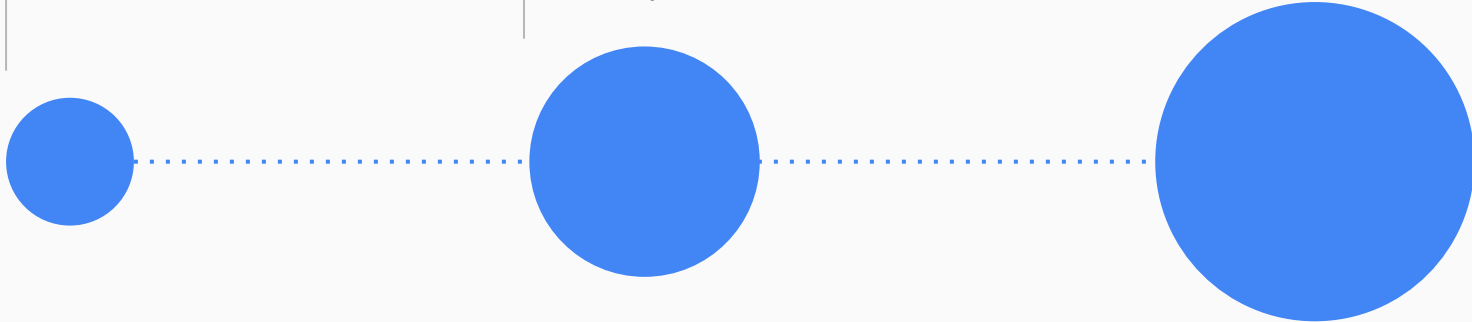
Proceed to pay and
Authenticate

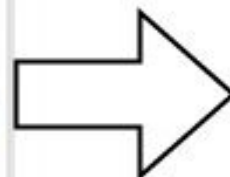
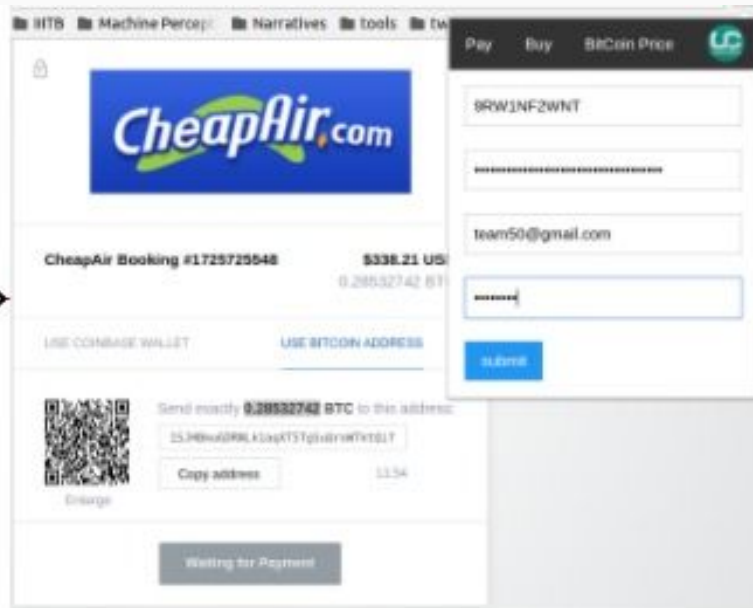
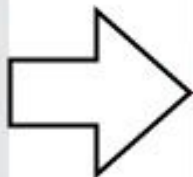
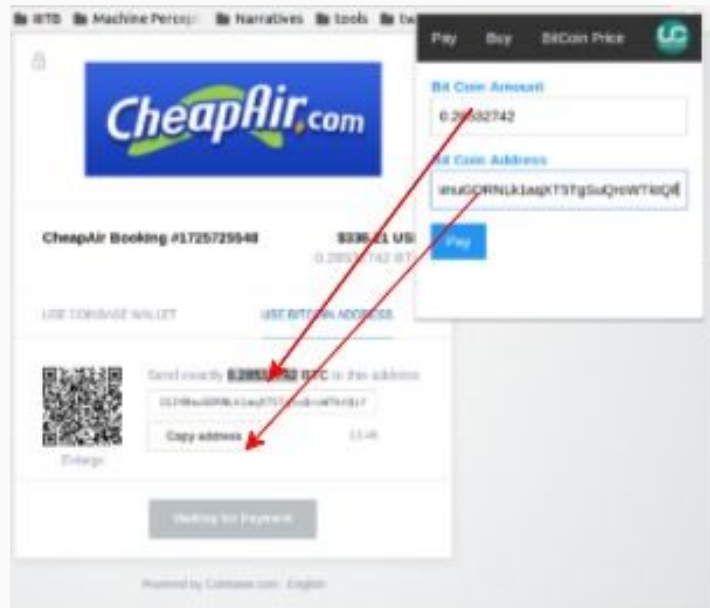
Step 2

Check Unocoin Balance,
If Balance < Amount :
INR Deposit

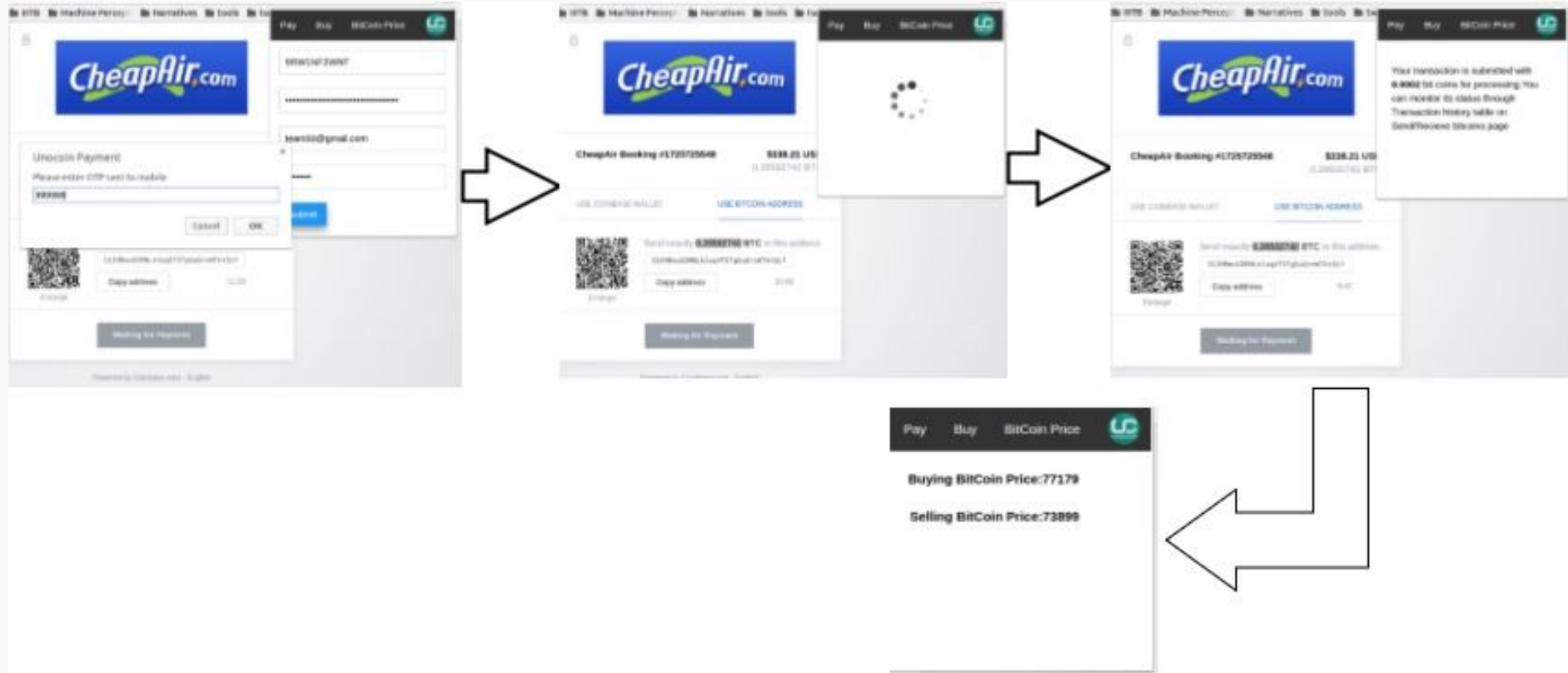
Step 3

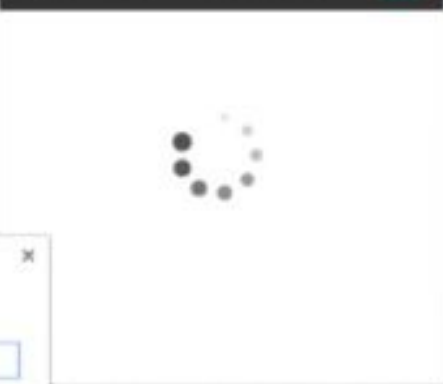
Complete payment
using SendBTC





Workflow: Proceed to Pay and Authenticate





Unocoin Payment

Enter Number of BTC you want to purchase

☐ Prevent this page from creating additional dialogues.

Cancel

OK



Pay

Buy

BitCoin Price



3 bitcoin(s) bought successfully.

An aerial photograph of the New York City skyline at dusk. The sky is a mix of dark blue and orange, with scattered clouds. The city lights are visible, and the Empire State Building stands out prominently in the center. The text 'Tech-Stack: JavaScript + Node.js' is overlaid in a large, white, sans-serif font on the left side of the image.

Tech-Stack: JavaScript + Node.js

Use Cases

Actors:

Buyer: User having Unocoin address and bitcoins in the wallet

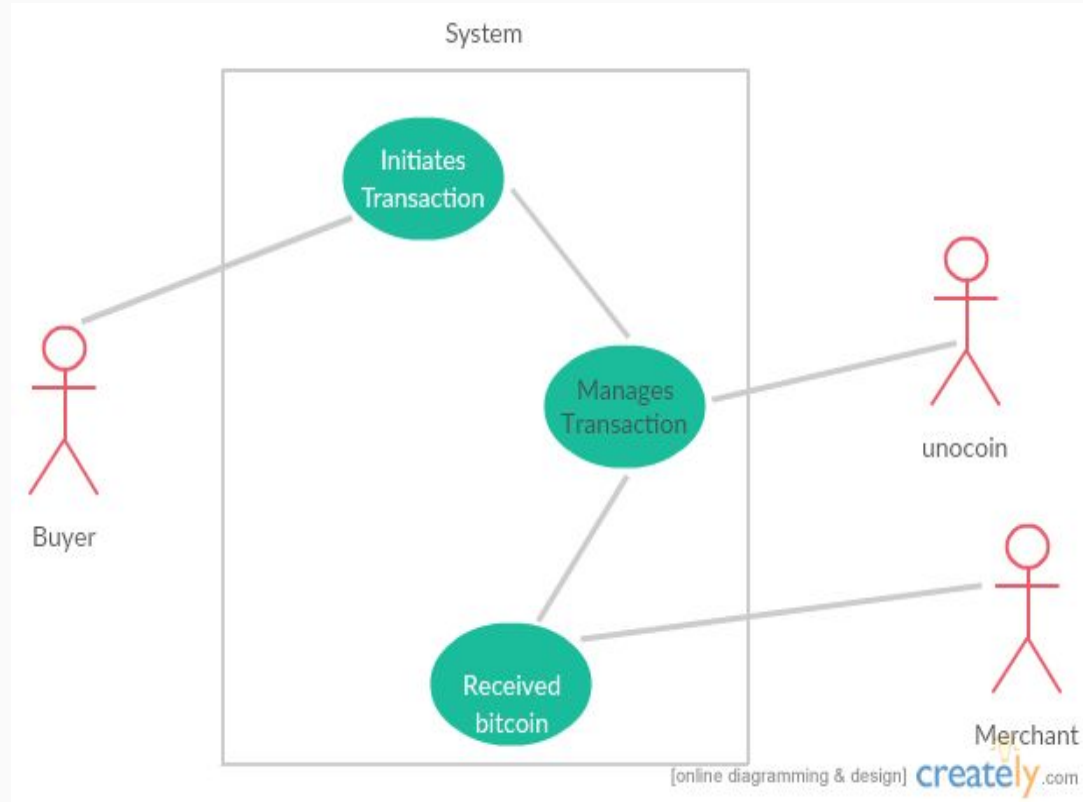
Merchant: Accepting bitcoin payment

PreConditions:

User must be having valid Unocoin account

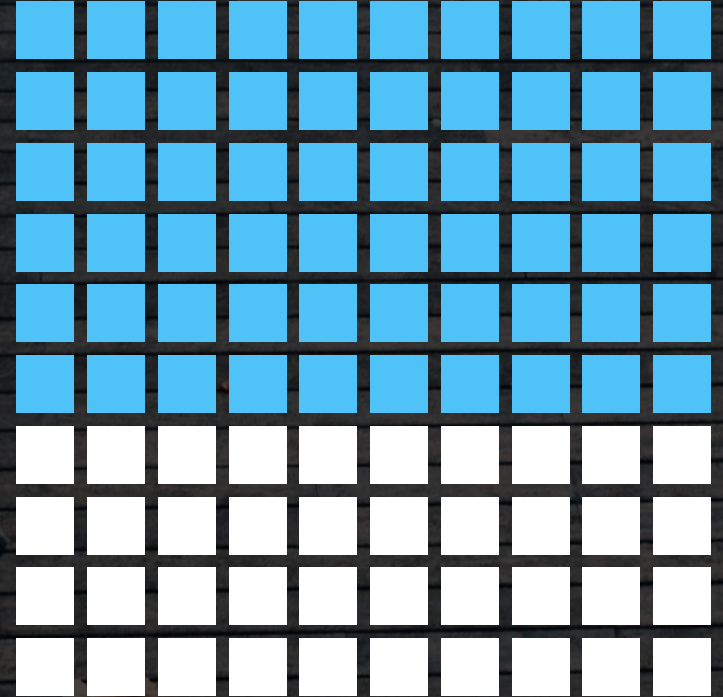
Flow:

- User logs in to Unocoin account
- 2 level authentication using OTP



Security

- Two level Authentication using credentials verification and OTP for every transaction
- Reduced risk of eavesdropping and password based attacks by avoiding cache storage of client credentials
- Extension is running using the concept.js script which acts like a sandbox so no execution of inline scripts which facilitates security.



Queries??