
A Crypto-Payment Digital Gift Card Platform

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Introduction

Hello everyone. Today I will introduce our digital gift card marketplace — a platform where users can easily and securely purchase different gift cards using only cryptocurrency.

What is the Platform?

This is a modern and fully digital gift card marketplace. Users can buy gift cards from popular brands like **Google Play, Apple, Amazon, Netflix, Xbox, Spotify**, and many more. The main advantage is that payments are made only through **cryptocurrency**.

Motivation for the Project

- Limited access to international payment methods
- Safe and fast digital purchases
- Popular global use cases
- No traditional banking barriers
- Simplified gifting experience
- Local market gap
- Scalable business potential

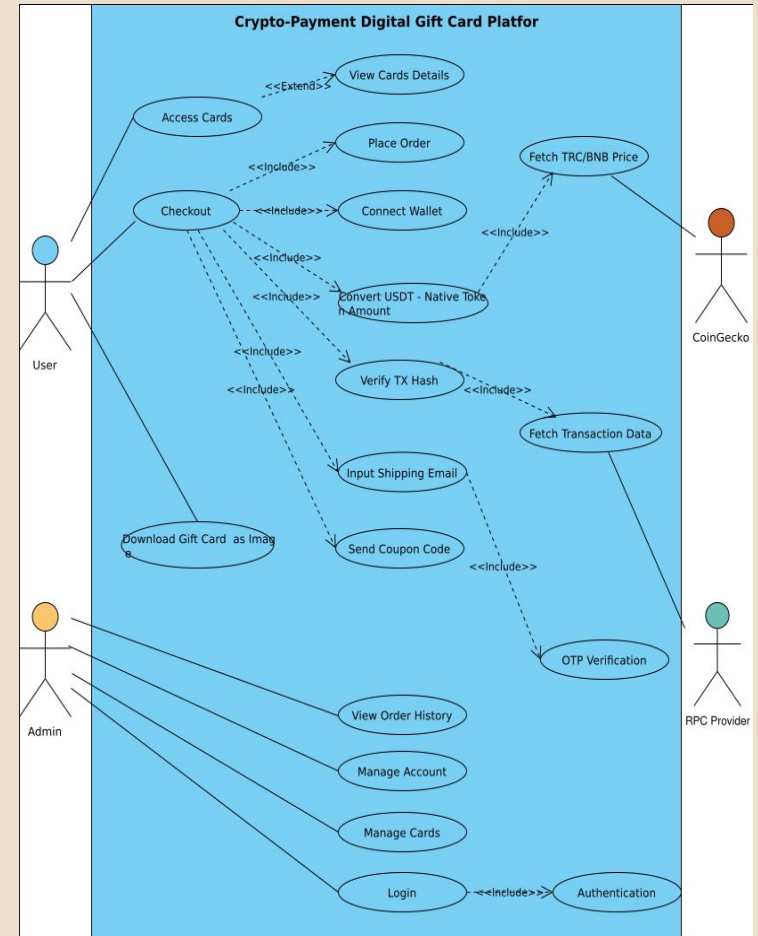
Features

- Crypto Payment Support — Fast, low-fee payments using Tron and BNB Chain
- Instant Delivery — Gift card codes are sent immediately after payment confirmation
- Secure Code Handling — Encrypted storage and automated verification
- Multi-Wallet Support — Easy connection through MetaMask and TronLink
- Smooth User Experience — Fast checkout and minimal steps
- Scalable Architecture — Easy to add more networks and wallets in the future

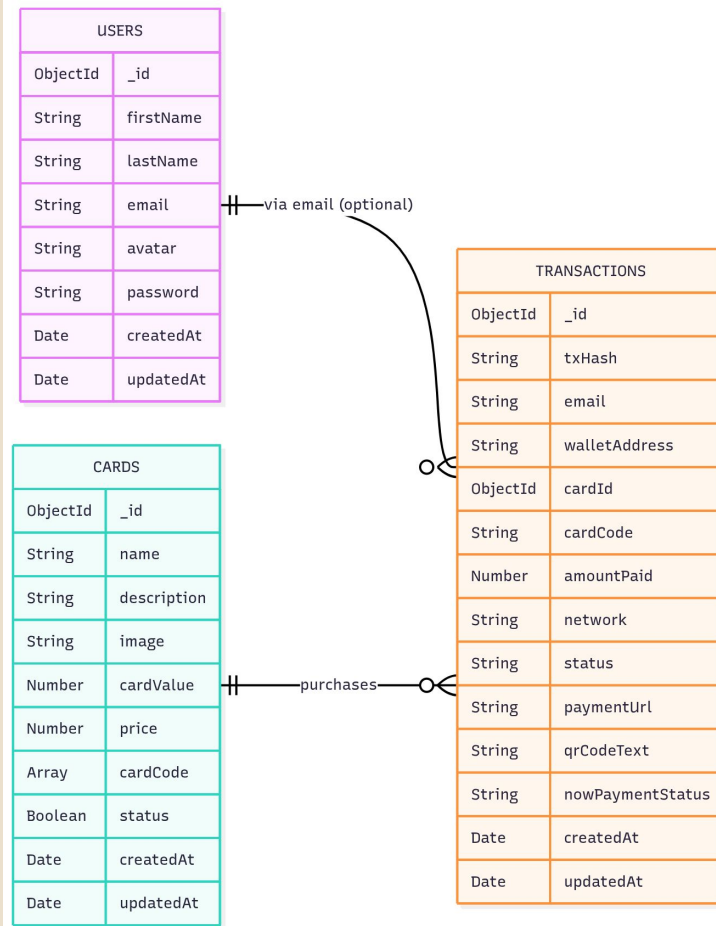
Comparison with Existing Systems

- Crypto Payments: Faster, cheaper, and more secure compared to systems that support only cards or centralized wallets
- Instant Delivery: Codes delivered immediately after payment confirmation
- Multi-Wallet Support: Connect wallets like MetaMask and TronLink easily
- Secure & Reliable: Encrypted code handling and automated verification
- Better UX: Quick checkout and hassle-free payment experience

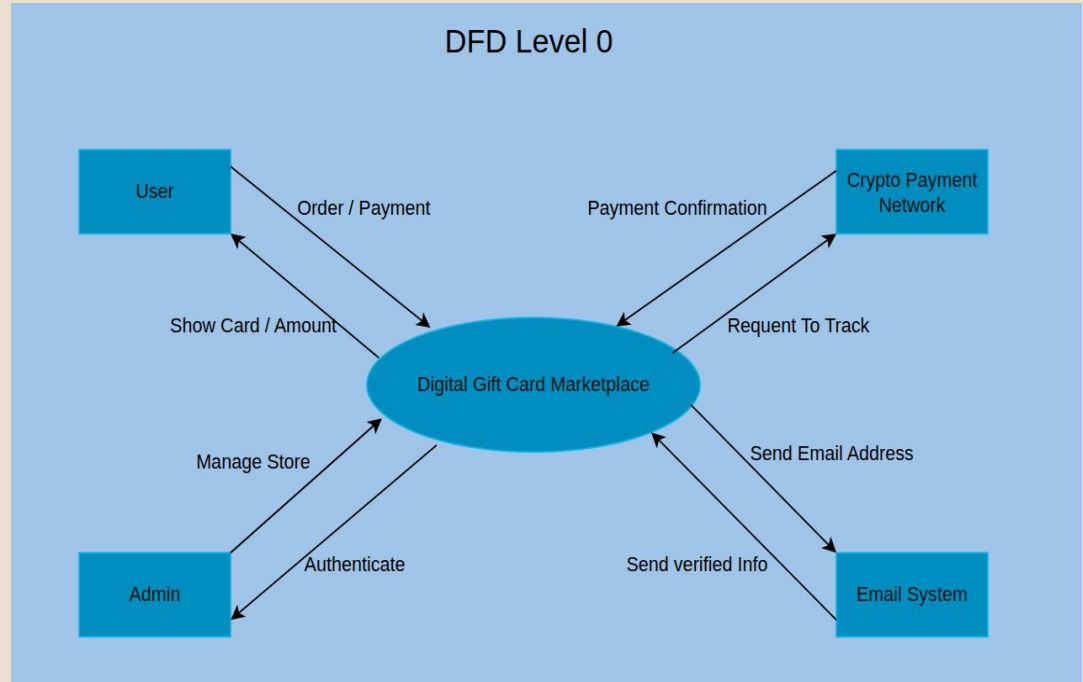
Use Case Diagram



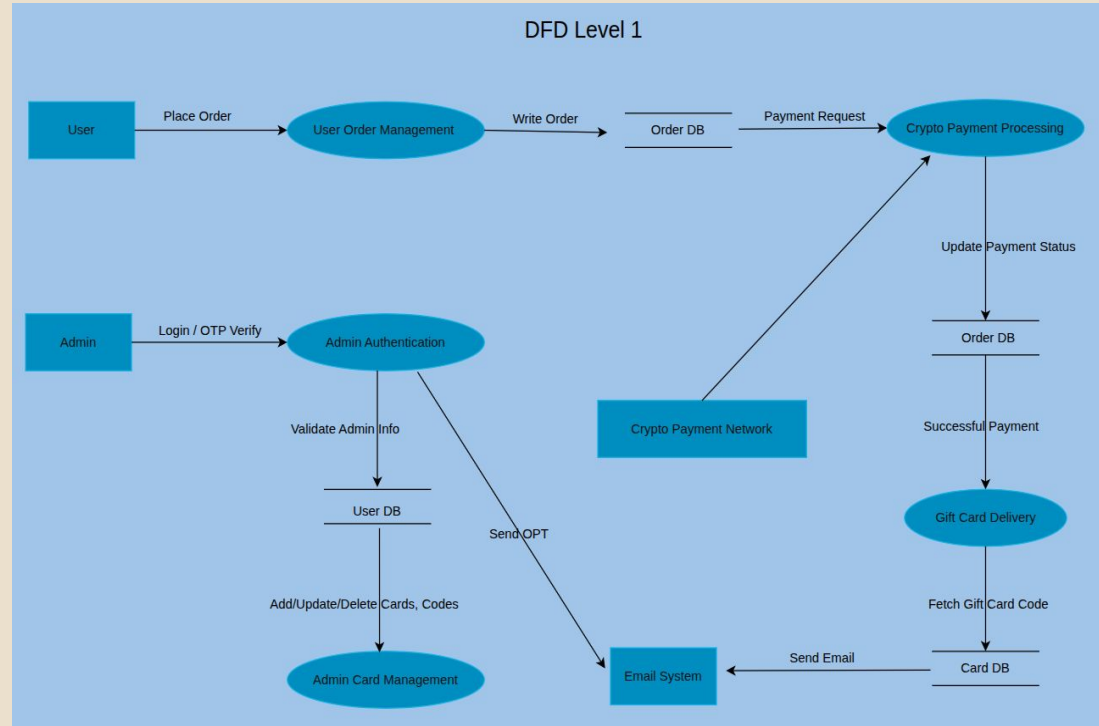
ERD Diagram



DFD: Level 0

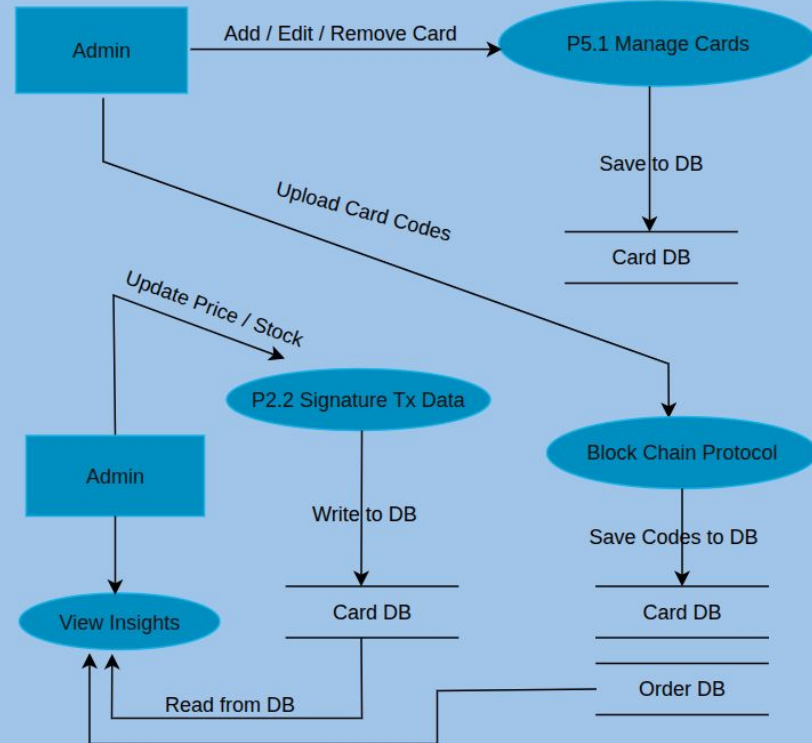


DFD: Level 1



DFD: Level 2 Admin Card Management

Level-2 DFD (Admin Card Management)



Payment System – Crypto Ecosystem

Crypto payments are the core feature of our platform.

At launch, we support two widely used networks:

- **Tron (TRX)**
- **BNB Smart Chain (BNB)**

Why Tron and BNB Chains?

- Low Fees: Very low transaction costs
- High Speed: Fast confirmations for a smooth user experience
- Wide Adoption: Popular and globally supported networks
- Stable Ecosystem: Reliable wallets, tools, and developer support
- Reliable Payments: Practical networks for gift card and digital purchases

Desktop Browser Wallet Support

- TronLink Wallet Extension (for Tron network)
- MetaMask Wallet Extension (for BNB Smart Chain)

Mobile Wallet Connection

- Creates an encrypted session between the dApp and mobile wallets using QR code or deep link
- Communicates requests using secure JSON-RPC
- Supports multiple wallets such as MetaMask, TrustWallet, Coinbase Wallet, and many others
- Users fully control whether to accept or deny any transaction request

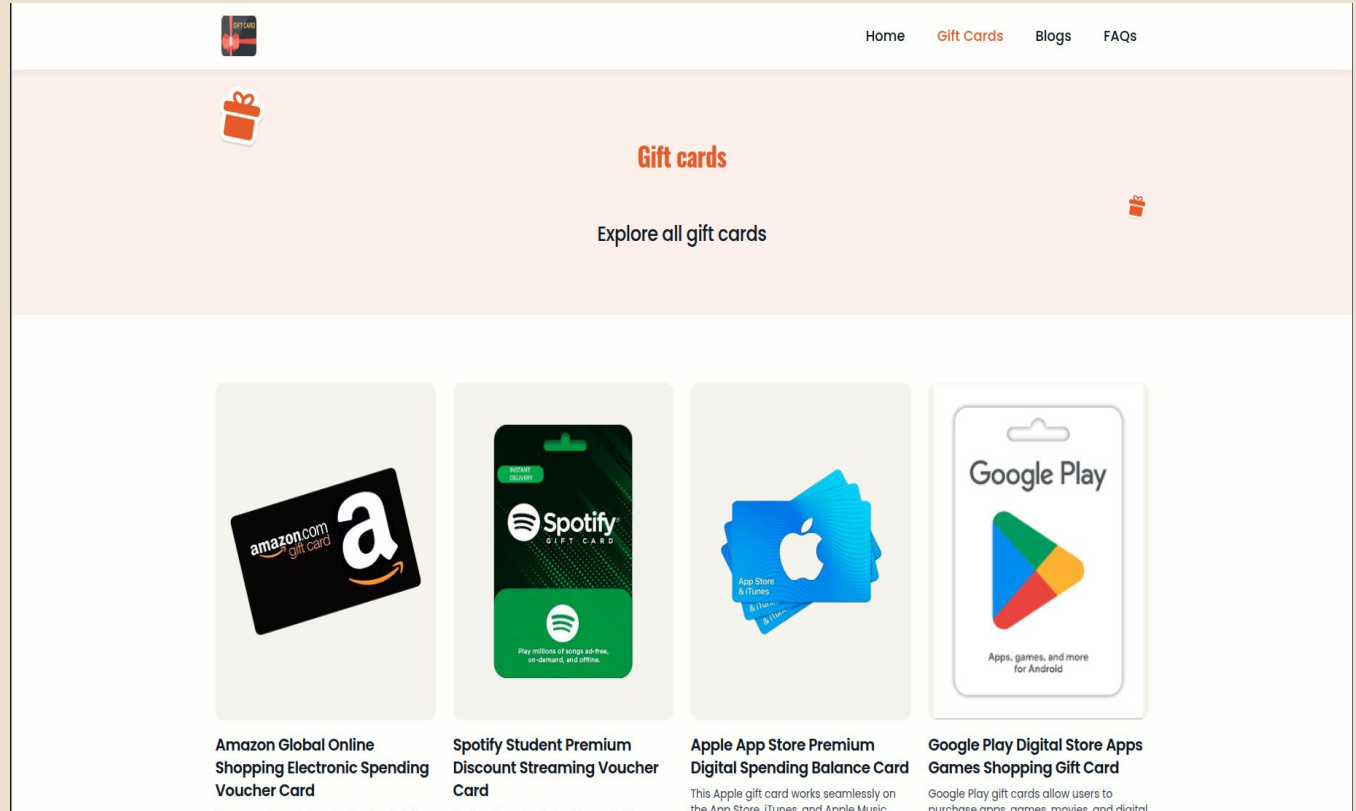
UI

HOME Page



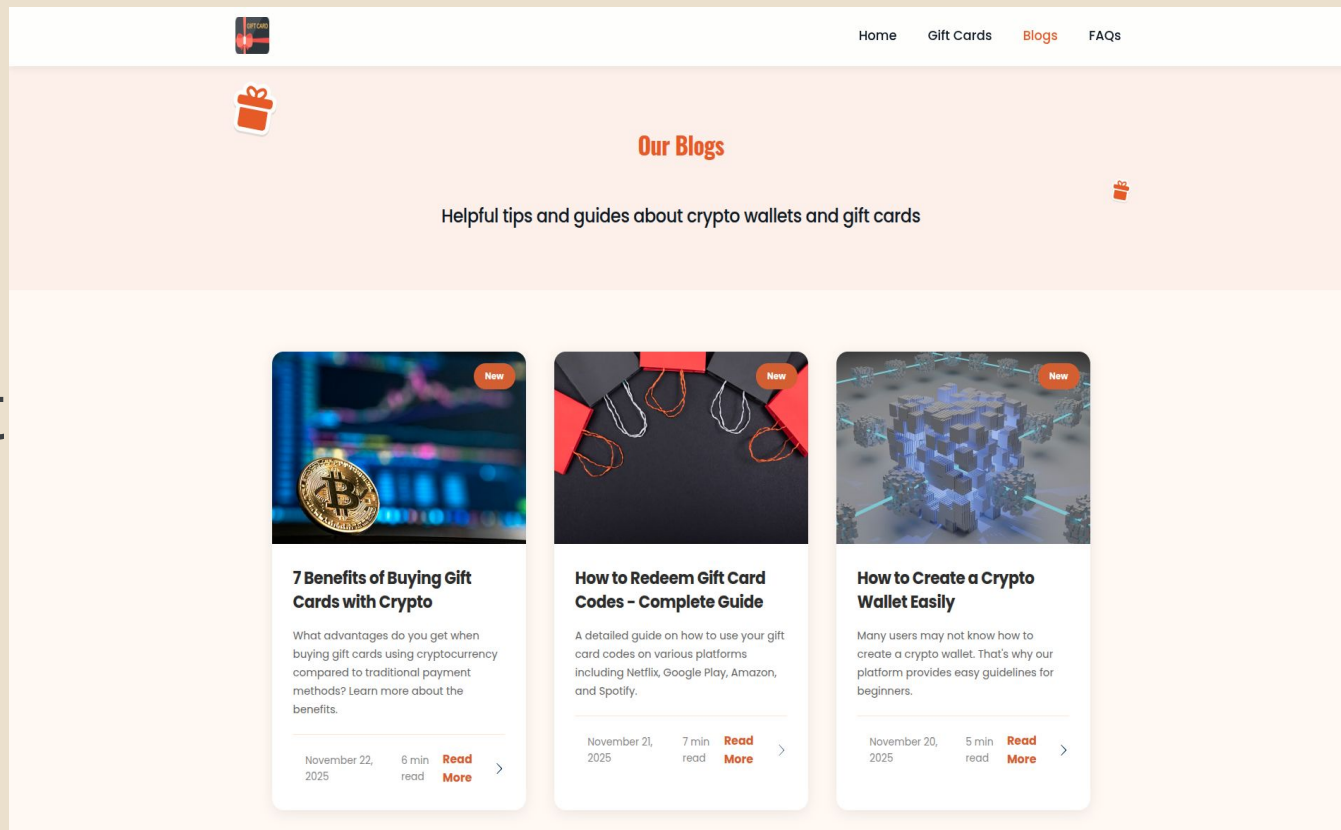
UI

Cards List



UI

Blogs List



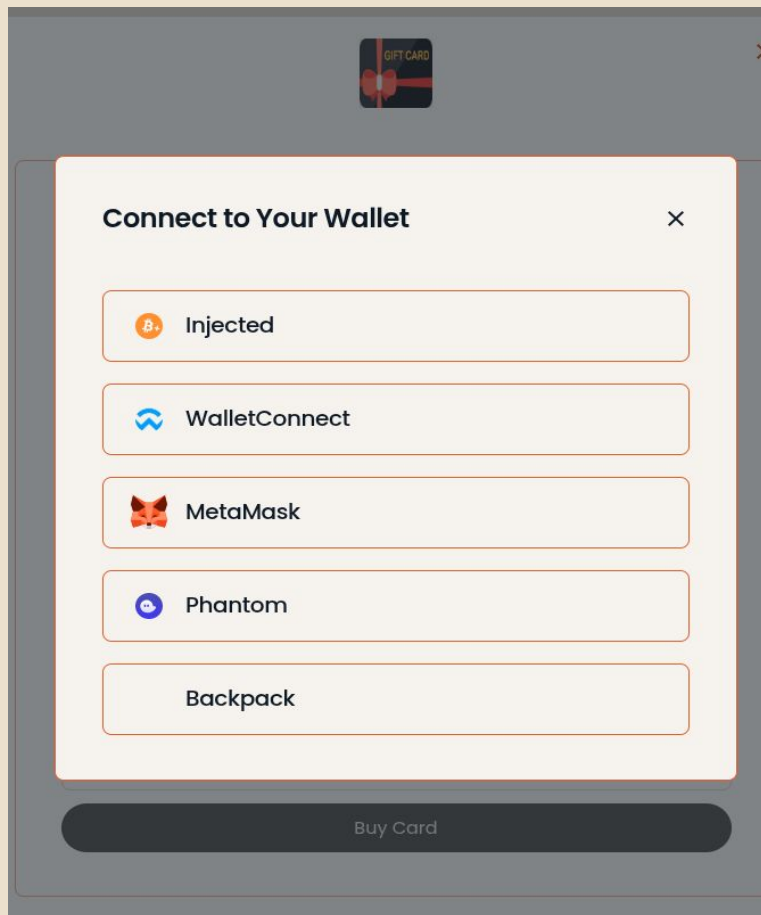
UI

Blog Post



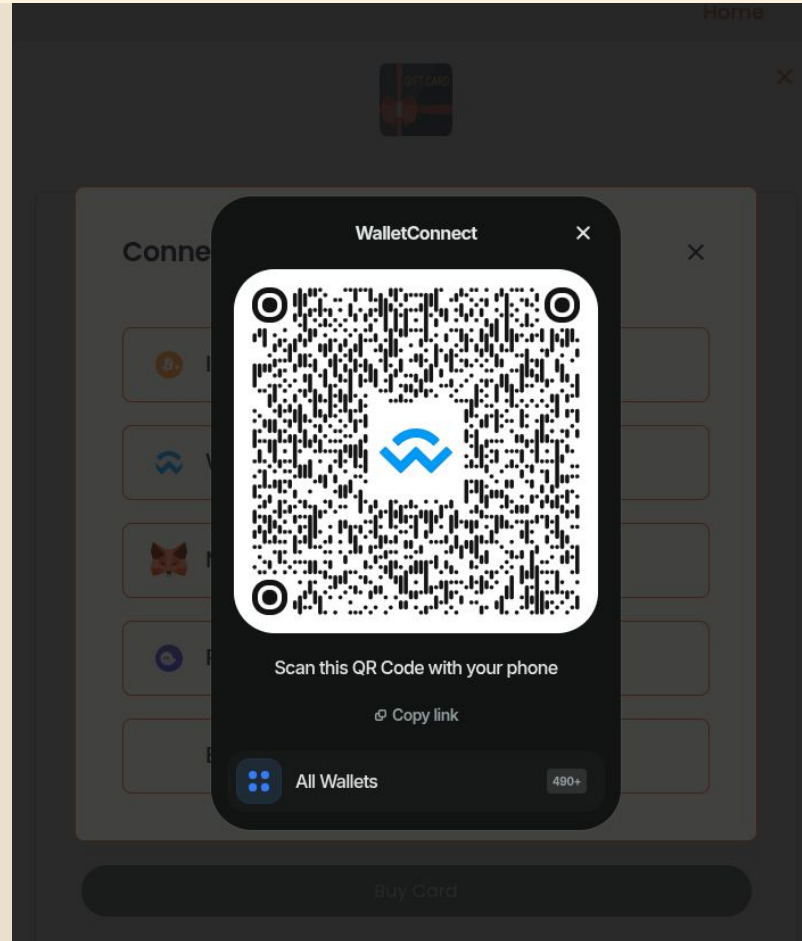
UI

Wallet Modal




UI

Wallet Connect Modal



UI


Checkout Modal

×


Email *

We will send the coupon code to this email.


Select Payment Method *

Crypto (Tron) - TRC Only 

Connect your wallet

 Payment by Scanning QR Code

Or

 Connect TronLink Wallet

Total Amount *

USDT 24.00

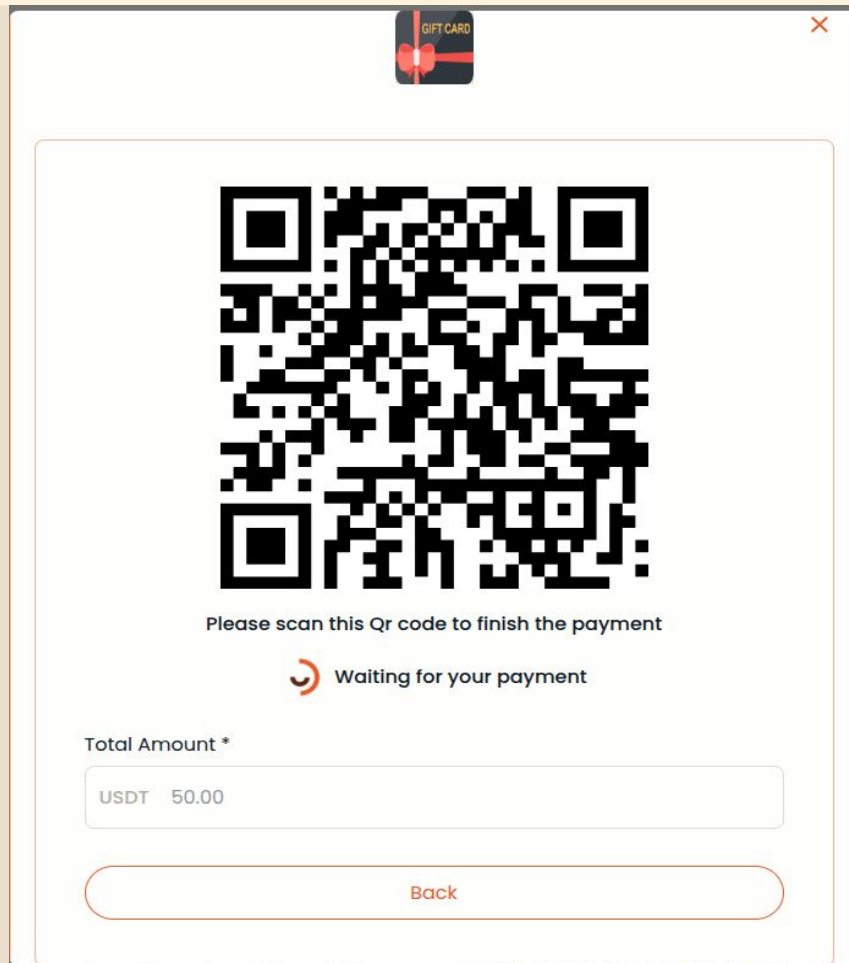
TRX Price:
You will pay approximately:

\$0.2752 USD
88.94 TRX

Buy Card

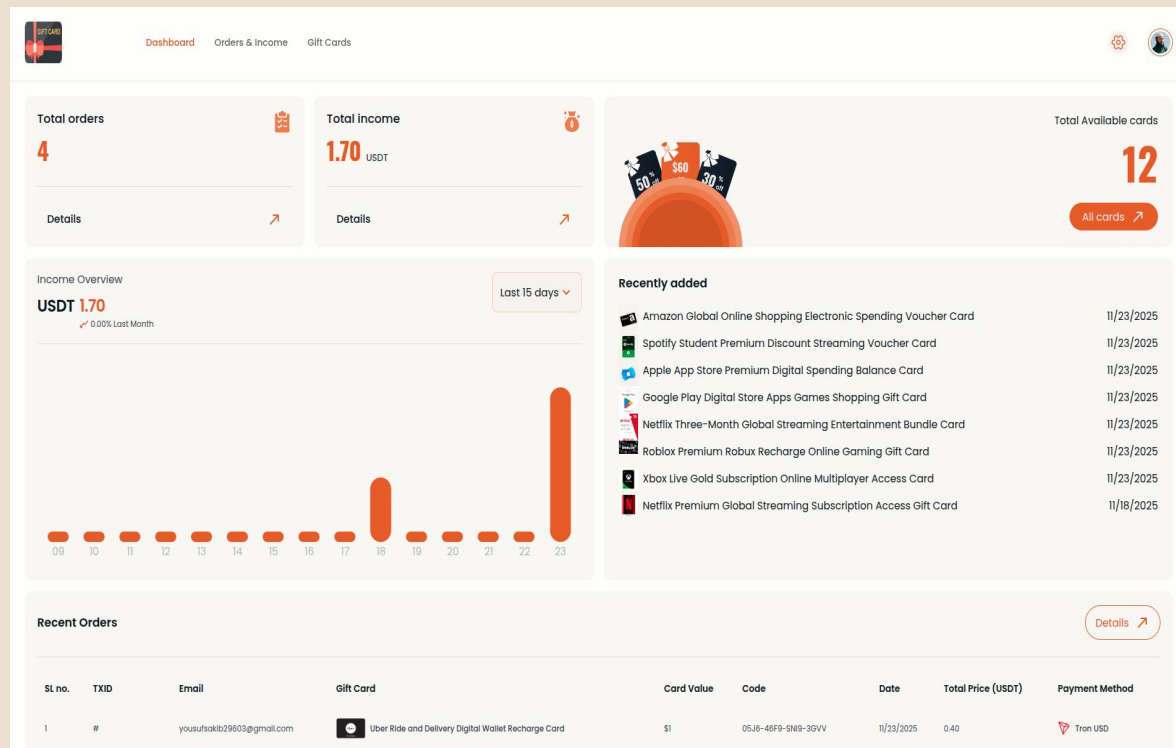
UI

Qr code pay Modal



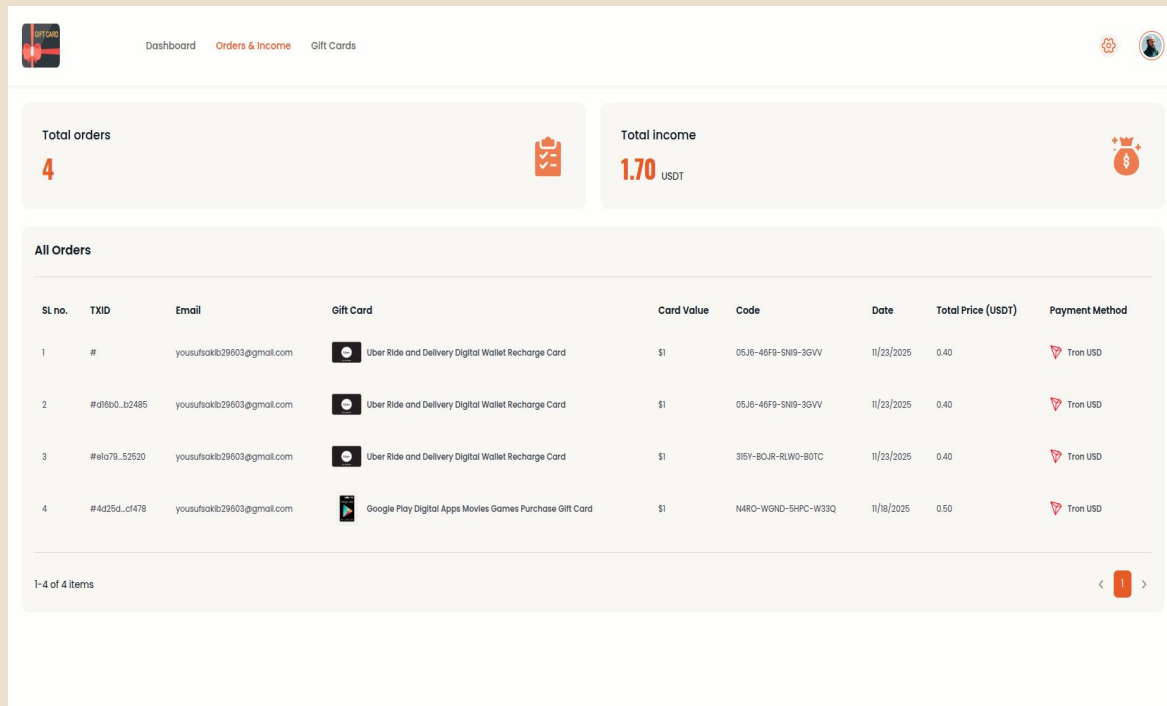
UI

Admin Dashboard




UI

Orders & Income






UI

Cards Management






























[Dashboard](#) [Orders & Income](#) [Gift Cards](#)




Total Available cards
12

All gift cards [+ Add new card](#)



Product Code	Gift Card	Card Value	Date	Price (USD)	Stock Count	Status	Actions
#692343e7ef7bd39d521141d	 Amazon Global Online Shopping Electronic Spending Voucher Card	\$40	11/23/2025	39.00	2	ACTIVE	 
#6923437c2ef7bd39d52113dd	 Spotify Student Premium Discount Streaming Voucher Card	\$28	11/23/2025	25.00	3	ACTIVE	 
#692342de2ef7bd39d521130d	 Apple App Store Premium Digital Spending Balance Card	\$52	11/23/2025	50.00	3	ACTIVE	 
#6923427bd2ef7bd39d52110dd	 Google Play Digital Store Apps Games Shopping Gift Card	\$25	11/23/2025	24.00	3	ACTIVE	 
#6923420a2ef7bd39d5211298	 Netflix Three-Month Global Streaming Entertainment Bundle Card	\$30	11/23/2025	28.00	3	ACTIVE	 
#6923419c2ef7bd39d5211264	 Roblox Premium Robux Recharge Online Gaming Gift Card	\$20	11/23/2025	19.00	3	ACTIVE	 
#692340d2ef7bd39d5211201	 Xbox Live Gold Subscription Online Multiplayer Access Card	\$30	11/23/2025	28.00	4	ACTIVE	 
#691bfab6b2781b2357597c552	 Netflix Premium Global Streaming Subscription Access Gift Card	\$60	11/18/2025	57.00	1	ACTIVE	 
#69b1f51e15c132105c0c18b19175	 Uber Strike and Passes! Global Mobile Recharge Card	\$1	11/18/2025	0.00	11	ACTIVE	 

UI

Add/Edit Card




DashboardOrders & IncomeGift Cards



Dashboard • Gift Cards • Edit Card

Edit Card

Upload Image



Basic Information

Gift Card Name *

Amazon Global Online Shopping Electronic Spending Voucher Card

Gift Card Description *

Users can buy electronics, books, clothing, and groceries using this Amazon card. The balance applies instantly to their Amazon account. It works for millions of products worldwide. The card has no expiry, offering full spending freedom. A versatile choice for all types of online shoppers.

Card Value *

\$ 40

Price *

USD 39

Additional Information

Gift card code *

N4RO-WGND-5HPC-W33Q

-

OC5M-Q00Z-58HM-0IKX

-

+ Add another code

Status

Active

▼

Save

Cancel

Future Work

- **Category-Based Search**
Improve user experience by allowing card browsing and filtering through specific categories.
- **Reduced Payment Processing Time**
Optimize payment flow to make purchases faster and smoother for users.
- **Support for More Blockchain Ecosystems**
Integrate additional blockchain networks to increase flexibility and payment options.

Thank You