
A Crypto-Payment Digital Gift Card Platform

By

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Introduction

Assalamualaikum and good-morning. Today I will present my work on a digital gift-card system.

What is the System?

This is a modern and fully digital gift card system. 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**.

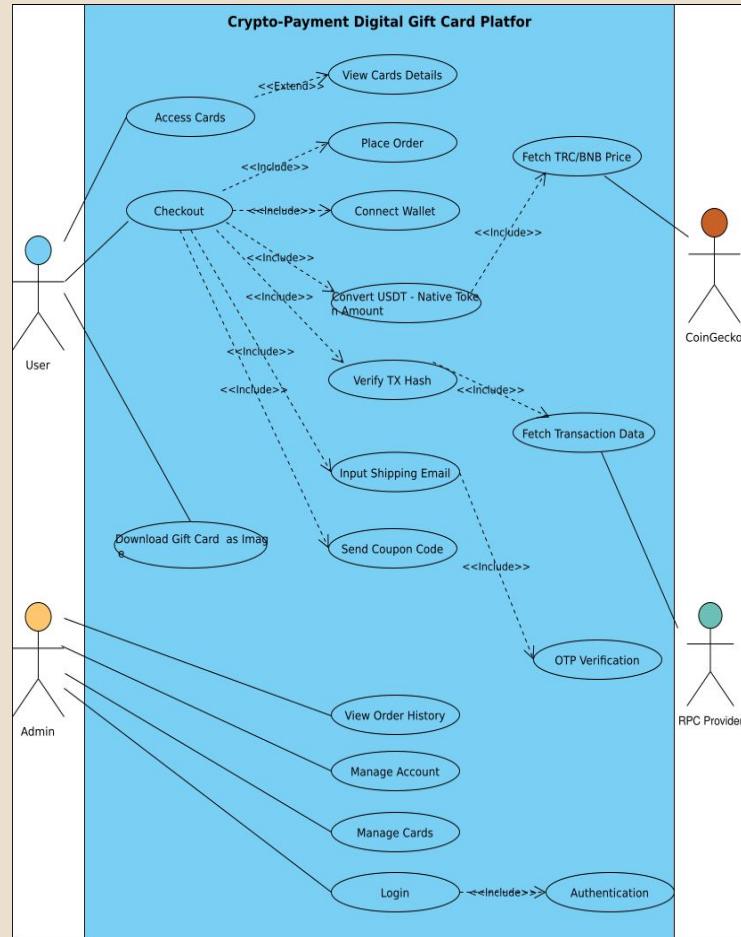
Motivation for the Project

- Using gift-card by-passes some payment complexity
- Limited access to international payment methods
- Safe and fast digital purchases
- Popular global use cases
- There is no traditional banking barriers
- Simplified gifting experience

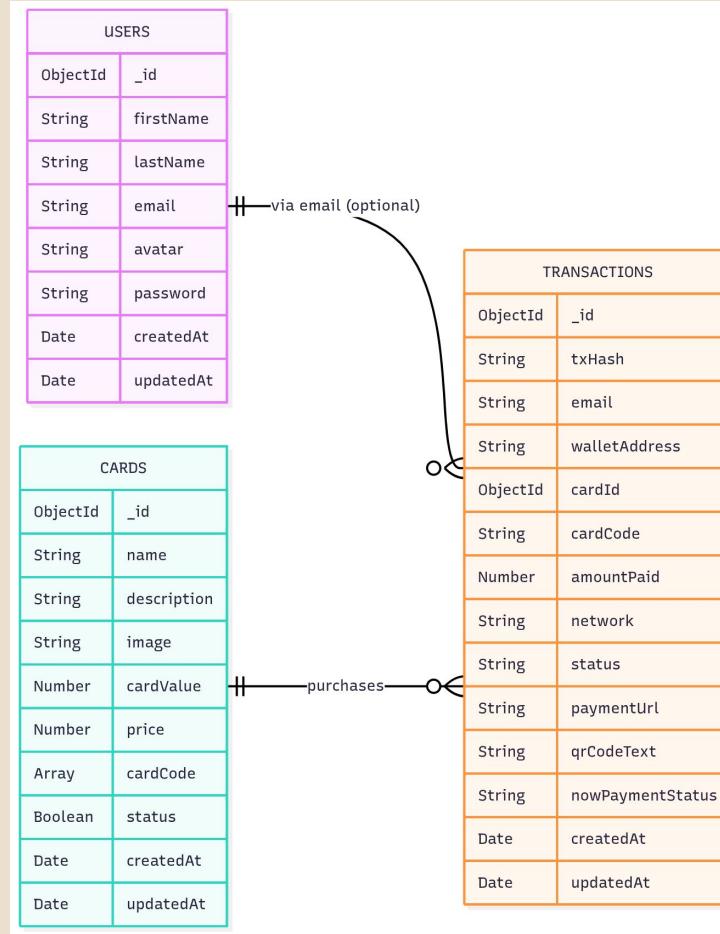
Features

- 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

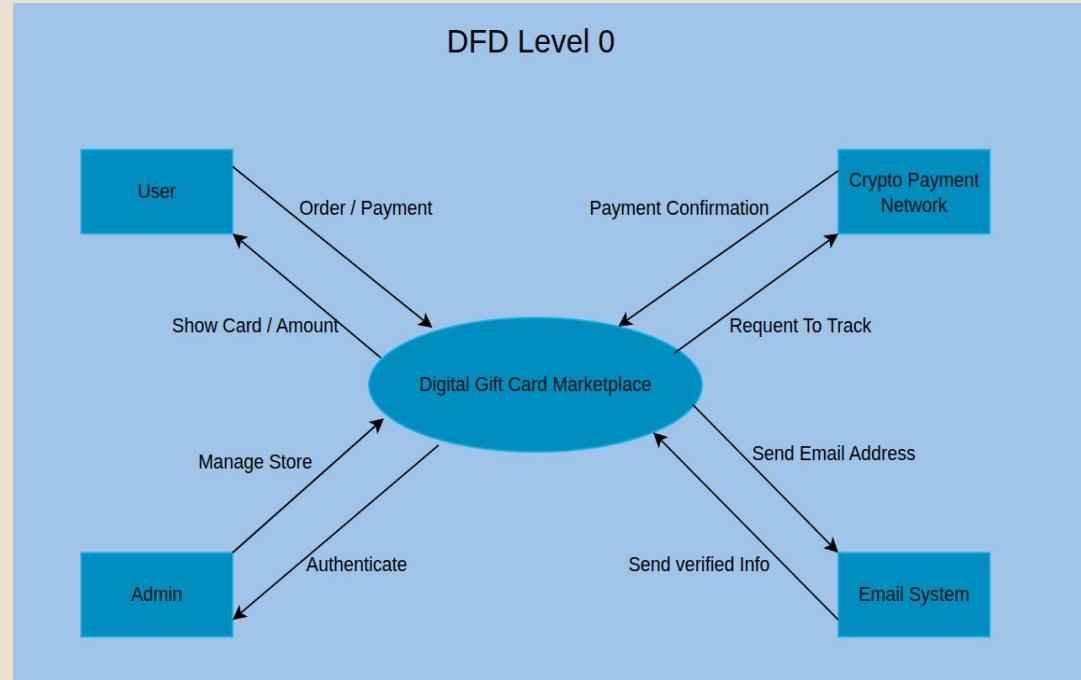
Use Case Diagram



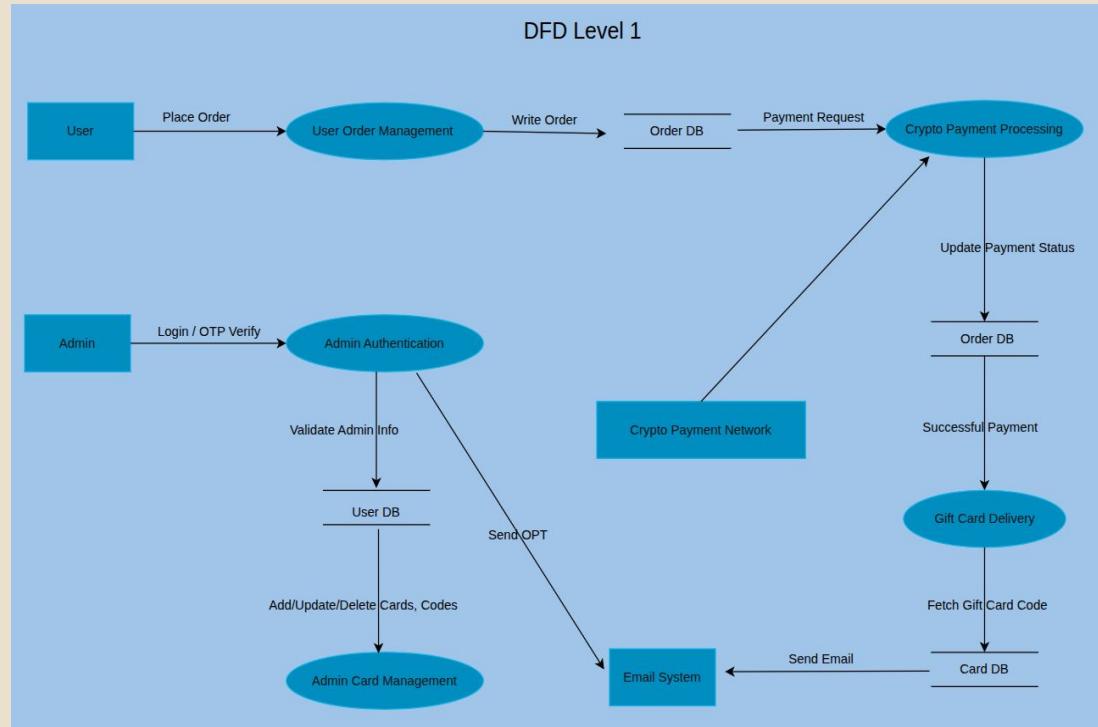
ERD Diagram



DFD: Level 0

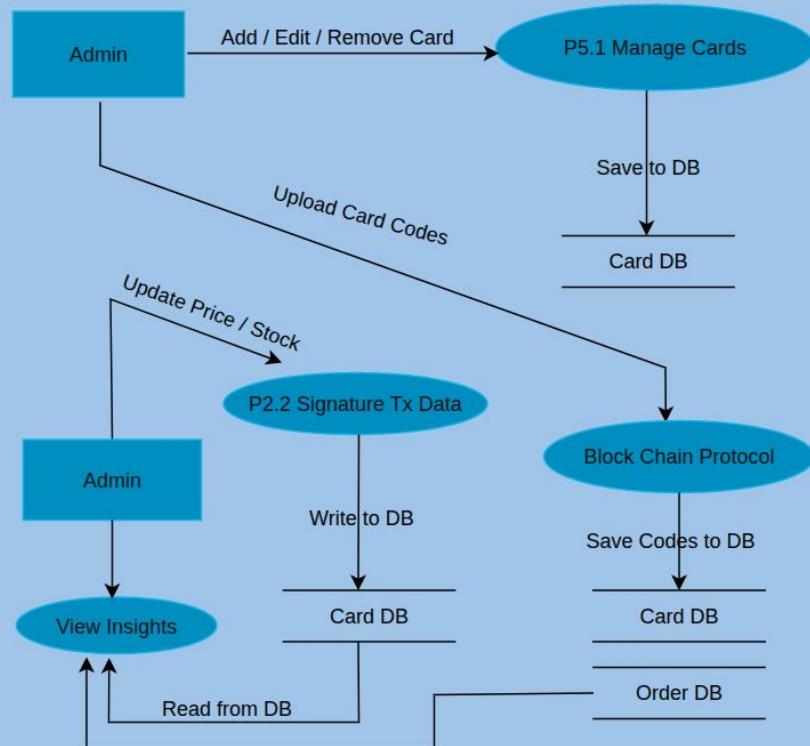


DFD: Level 1



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

The Ultimate Gift Card Store

Purchase Using Crypto

Google Play Apple Steam PlayStation Xbox

Amazon Netflix Spotify More!

e payment

multiple payment options

Receive your code instantly

Get your code delivered via email immediately

Redeem & enjoy!

Use your gift card and start shopping

Choose your card

Select from our wide range of gift cards

Choose Your Card

\$60

UI

Cards List

Home **Gift Cards** Blogs FAQs

Gift cards

[Explore all gift cards](#) 



Amazon Global Online Shopping Electronic Spending Voucher Card	Spotify Student Premium Discount Streaming Voucher Card	Apple App Store Premium Digital Spending Balance Card	Google Play Digital Store Apps Games Shopping Gift Card
<small>This Amazon gift card works seamlessly on the Amazon website and mobile app.</small>	<small>Play millions of songs ad-free, on-demand, and offline.</small>	<small>This Apple gift card works seamlessly on the App Store, iTunes, and Apple Music.</small>	<small>Google Play gift cards allow users to purchase apps, games, movies, and digital</small>

UI

Blogs List



Helpful tips and guides about crypto wallets and gift cards



7 Benefits of Buying Gift Cards with Crypto

What advantages do you get when buying gift cards using cryptocurrency compared to traditional payment methods? Learn more about the benefits.

November 22, 2025 8 min read [Read More](#) >

How to Redeem Gift Card Codes - Complete Guide

A detailed guide on how to use your gift card codes on various platforms including Netflix, Google Play, Amazon, and Spotify.

November 21, 2025 7 min read [Read More](#) >

How to Create a Crypto Wallet Easily

Many users may not know how to create a crypto wallet. That's why our platform provides easy guidelines for beginners.

November 20, 2025 5 min read [Read More](#) >

UI

Blog Post

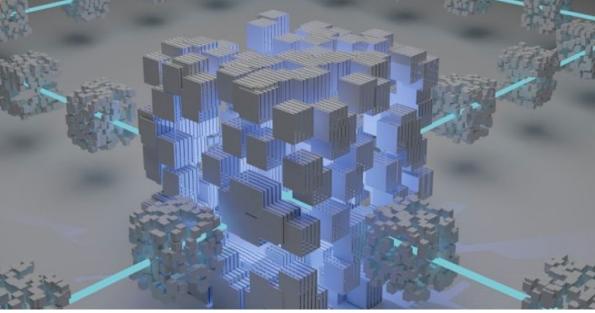
GIFT CARD

Home Gift Cards Blogs FAQs

All Blogs

How to Create a Crypto Wallet Easily

November 20, 2025 | Giftcard Team | 5 min read



How to Create a Crypto Wallet Easily

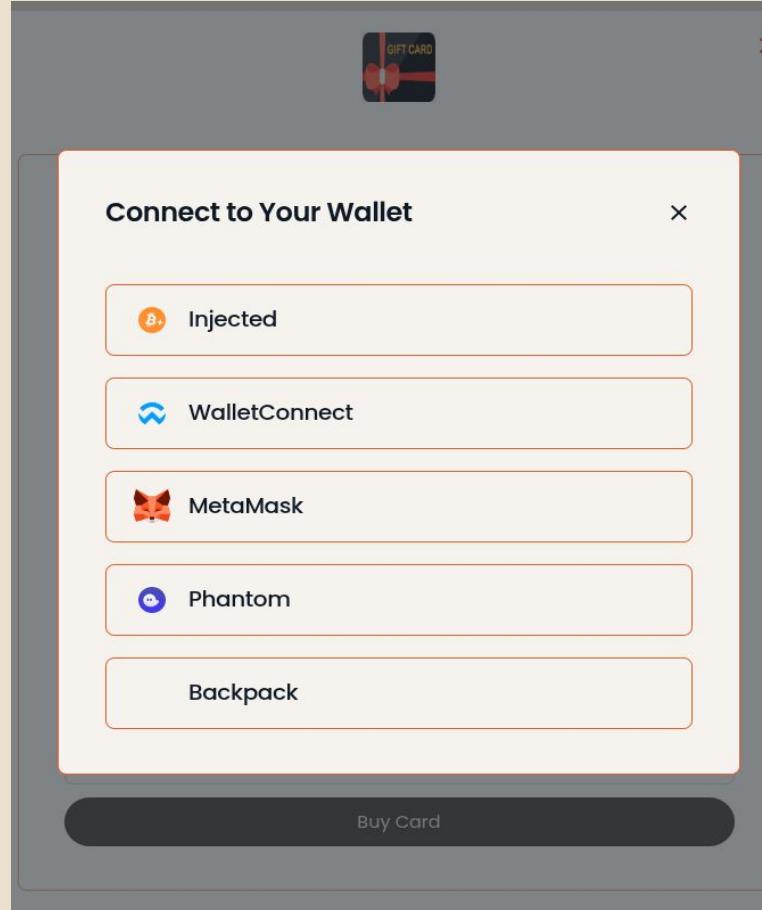
Many users may not know how to create a crypto wallet. That's why our platform provides easy guidelines for beginners.

Step 1: Download Wallet App

Users can download any of the following popular wallets—

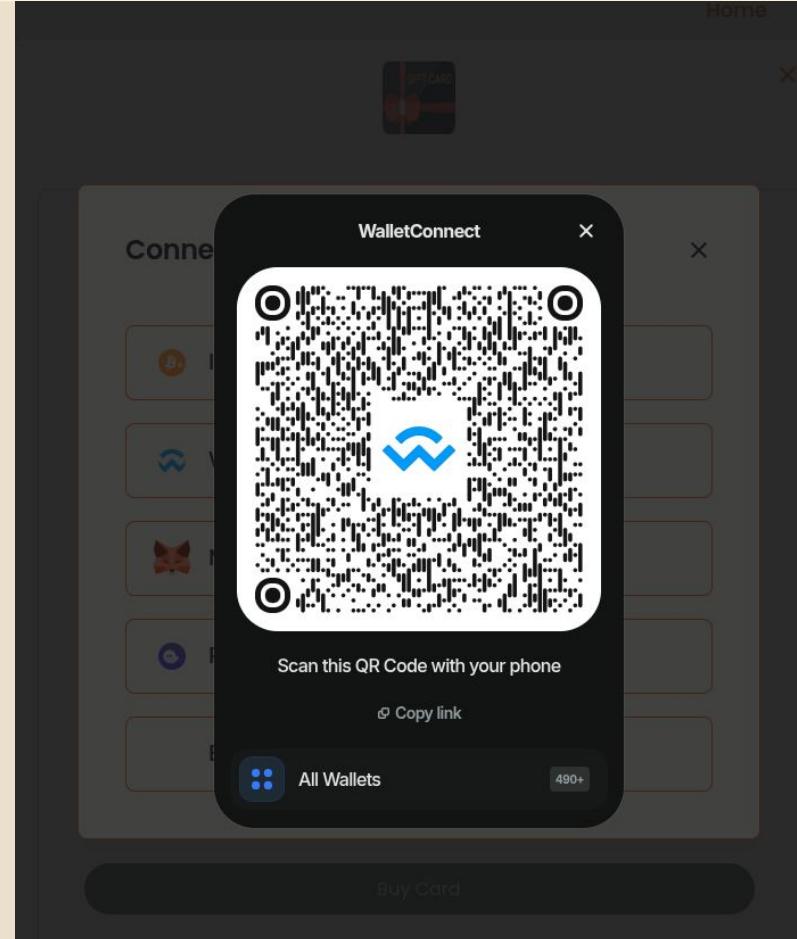
UI

Wallet Modal



UI

Wallet Connect Modal



UI

Checkout Modal

X

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 *

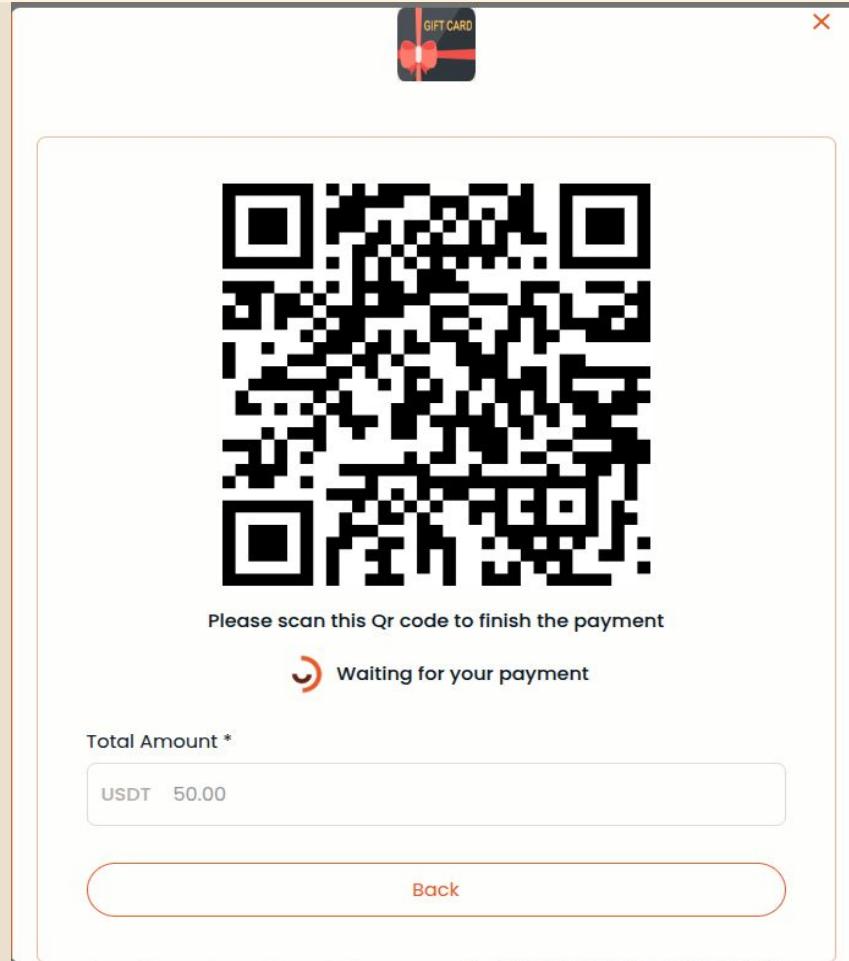
USDT 24.00

TRX Price: \$0.2752 USD
You will pay approximately: 88.94 TRX

Buy Card

UI

Qr code pay Modal



UI

Admin Dashboard

The dashboard features a header with a logo, navigation links (Dashboard, Orders & income, Gift Cards), and user profile icons. Key metrics are displayed in large cards: Total orders (4), Total income (1.70 USDT), and Total Available cards (12). A central chart shows daily income over the last 15 days, with a significant peak on the 23rd. The 'Recently added' section lists various gift card types with their purchase dates. The 'Recent Orders' table provides a detailed view of a single transaction.

Total orders
4

Total income
1.70 USDT

Total Available cards
12

Income Overview
USDT 1.70
0.00% Last Month

Recently added

Gift Card Type	Purchase Date
Amazon Global Online Shopping Electronic Spending Voucher Card	11/23/2025
Spotify Student Premium Discount Streaming Voucher Card	11/23/2025
Apple App Store Premium Digital Spending Balance Card	11/23/2025
Google Play Digital Store Apps Games Shopping Gift Card	11/23/2025
Netflix Three-Month Global Streaming Entertainment Bundle Card	11/23/2025
Roblox Premium Robux Recharge Online Gaming Gift Card	11/23/2025
Xbox Live Gold Subscription Online Multiplayer Access Card	11/23/2025
Netflix Premium Global Streaming Subscription Access Gift Card	11/18/2025

Recent Orders

SL no.	TXID	Email	Gift Card	Card Value	Code	Date	Total Price (USDT)	Payment Method
1	#	yousufsakib29603@gmail.com	Uber Ride and Delivery Digital Wallet Recharge Card	\$1	05J6-46F9-SN19-3GVV	11/23/2025	0.40	Tron USD

UI

Orders & Income

The screenshot displays a user interface for managing orders and income. At the top, there's a navigation bar with links to Dashboard, Orders & Income, and Gift Cards. On the right side of the header are icons for a bell通知, a profile picture, and a search bar.

Below the header, there are two main summary sections:

- Total orders:** 4 (represented by a red number)
- Total income:** \$1.70 USDT (represented by a red number)

Under the "All Orders" section, there is a table with the following data:

SL no.	TXID	Email	Gift Card	Card Value	Code	Date	Total Price (USD)	Payment Method
1	#	yousufsokib29603@gmail.com	Uber Ride and Delivery Digital Wallet Recharge Card	\$1	05J6-46F9-SN9-3GVV	11/23/2025	0.40	Tron USD
2	#d16b0...b2485	yousufsokib29603@gmail.com	Uber Ride and Delivery Digital Wallet Recharge Card	\$1	05J6-46F9-SN9-3GVV	11/23/2025	0.40	Tron USD
3	#e1a79...52520	yousufsokib29603@gmail.com	Uber Ride and Delivery Digital Wallet Recharge Card	\$1	315Y-BOJR-RW0-B0TC	11/23/2025	0.40	Tron USD
4	#4d25d...c1478	yousufsokib29603@gmail.com	Google Play Digital Apps Movies Games Purchase Gift Card	\$1	N4R0-WGND-BHP-C-W33Q	11/18/2025	0.50	Tron USD

At the bottom of the table, it says "1-4 of 4 items". To the right of the table are navigation arrows for pagination.

UI

Cards Management

The screenshot shows a user interface for managing gift cards. At the top, there's a navigation bar with icons for Home, Dashboard, Orders & Income, and Gift Cards. On the right side of the header are profile icons for a user and an AI assistant.

In the center, there's a large orange circular graphic containing three gift card icons with their respective values: \$40, \$28, and \$60. To the right of this graphic, the text "Total Available cards" is followed by a large red number "12". Below this section is a button labeled "+ Add new card".

The main content area is titled "All gift cards" and contains a table with the following columns: Product Code, Gift Card, Card Value, Date, Price (USD), Stock Count, Status, and Actions. The table lists eight gift card entries, each with a small thumbnail image of the card and its details:

Product Code	Gift Card	Card Value	Date	Price (USD)	Stock Count	Status	Actions
#692343e72ef7bd39d521141d	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	
#692342de92ef7bd39d521130d	Apple App Store Premium Digital Spending Balance Card	\$52	11/23/2025	50.00	3	ACTIVE	
#6923427b2ef7bd39d52112d1	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	
#6923419b2ef7bd39d5211264	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	
#691bfabb278fb2357597c552	Netflix Premium Global Streaming Subscription Access Gift Card	\$60	11/18/2025	57.00	1	ACTIVE	
#691bfabb278fb2357597c552	Other Digital and Physical Merchandise Credit	\$1	11/18/2025	0.40	11	ACTIVE	

UI

Add/Edit Card

The screenshot shows a user interface for managing gift cards. At the top, there's a navigation bar with links for Dashboard, Orders & Income, and Gift Cards. On the right side of the header are icons for settings and user profile.

The main content area has a breadcrumb navigation: Dashboard > Gift Cards > Edit Card. Below that is the title "Edit Card".

The form is divided into sections:

- Upload Image:** A placeholder for an uploaded image of a gift card, currently showing a black Amazon gift card with a white "a" logo.
- 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 ***: USDT 39
- Additional Information:**
 - Gift card code ***:
 - N4RO-WGND-5HPC-W33Q
 - OC5M-Q00Z-58HM-0IKX
 - + Add another code**
- Status**: Active (selected)

At the bottom are two buttons: **Save** (in red) and **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