PAYBITO CRYPTO BANK

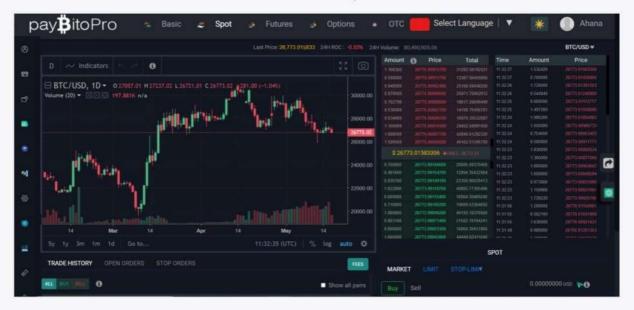




PayBito Banking Application

PayBito banking application allows a customer to conduct a variety of banking transactions easily.

The red button on the below screenshot refers to the PayBito bank Button.



On clicking the Paybito bank button / signing in through Paybito redirect to banking application - bank.paybito.com

On entering the banking application it'll have one tap activation for banking services -

Activate your Banking services

The user needs to click on ACTIVATE button and an auto-generated savings account with a unique ID will be created. Once the account is generated it will automatically redirect to the banking application dashboard with the below three options on the left panel.

1. Home 2. Savings 3. Loan



DASHBOARD HOME

It will show an overview of asset balance if any, balance transfer button to transfer asset balance from Paybito. Below is the table giving an overview-

Hi <user name>

Balance Tran	nsfer Button
transfer from v	transfer to v
paybito wallet	paybito wallet
saving ac	saving ac
SUB	MIT

НОМЕ	>	Asset	Balance	Interest earned	Recent Transactions
			BTC [amount of	BTC [amount of	Date BTC added [
SAVINGS		втс	crypto]	crypto]	amount of crypto]
LOAN					
		ETH	ETH [amount of crypto]	ETH [amount of crypto]	Date BTC withdrawn [amount of crypto]

Savings

It will show an overview of the total balance, interest earned if any etc.

Accounts		
Total Balance		
XYZ\$		
<u>Account</u>	Total Balance	Interest Earned
Savings •••• 7890	BTC	BTC
	ETH	ETH



Total balance is total of all the cryptos combined

Total interest is total of all the cryptos combined

LOANS

Loans will have two tabs as following-

My Loans give an overview of the Active loans and the Past loan history as well.

Again Active Loans will give an overview of the ongoing orders and the assets.

My Loan v

Active Loan

Loan History

Active Loan v

Ongoing orders

Asset overview >

On selecting any of the above options it will show the details for the same as follows-

Flexible Rate		Stable Rate	
Total Debt Amount	Total Collateral Amount	Total Debt Amount	Total Collateral Amount
(USD)	(USD)	(USD)	(USD)
= USD	= USD	= USD	= USD

Debt Assets				Collateral Assets from Simple Earn (Flexible) Wallet			
Asse Amoun Equity t t Value			Asset Amount Equity Value				
You h	ave no debt			You have n	o debt		

Loan History

It will show the details as follows-

Flexible Rate		Stable Rate *				
From date -				Search	Reset	
To date	Coin Borrowed v	Colletral Coin v	Status v	Button	Button	
CALENDED	All Coins listed to	All Coins listed to be				
CALENDER	be borrowed	used as a collateral	All			



			Pending			
			Success			
			Failed			
			Collateral	Collateral	Initial	
Loan Date	Coin Borrowed	Loan Amount	Coin	Amount	LTV	Status

Stabl e Rate *										
Order Id	From date - To date	Coin Borrowe d v	Colletral Coin v	Type v	Status v	Search Button	Reset Butto n			
	CALENDE R	All Coins listed to be borrowe d	All Coins listed to be used as a collatera	All	All					
				Normal	Pending					
				Renew	Success					
				Staking	Failed					
Order ID	Loan Date	Coin Borrowe d	Initial Loan Amount	Collatera I Coin	Initial Collatera I Amount	Hourly Interes t Rate	Loan Term	Expiratio n Time	Typ e	Statu s

Next is the **Borrow Market** and it will reflect the rates for all the loanable coins of Paybito.

An illustration of the same is given below as reference ::

Borrow for Spot/Margin/Futures Trading

Borrow Market

Loanable Coin	Flexible Rate	7days-stable Rate	30 days-stable Rate	
	Hourly/ Annual Interest	Hourly/ Annual Interest	Hourly/ Annual Interest	
	Rate	Rate	Rate	
ВТС	0.00017%/1.49%	0.000222%/1.94%	0.000256%/2.24%	Borrow
ETH	0.000189%/1.65%	0.000246%/2.15%	0.000284%/2.49%	Borrow
DOGE	0.000324%/2.83%	0.000421%/3.69%	0.000486%/4.26%	Borrow
(Display list of all				
cryptos in Paybito)				



,		

After clicking on the BORROW option a window is opened which will have the options to choose from different loan type and the asset of choice to collateralise -

BORROW MARKET

Search Coin v

(Display list of all cryptos in Paybito)

Loan Type v

Flexible rate - use earn wallet assets as collaterals, use spot wallet as supply

7 Days - Stable Rate

30 Days - Stable Rate

I want to borrow	The Asset one wants to borrow
Amount	USD/USDT(CASH OUT)
Collateral	The Asset one wants to collateralise against the loan
MAX Amount	List of Crypto v (Display list of all cryptos in Paybito)

 $Annual\ interest\ rate\ ^*\ -\ https://binance-docs.github.io/apidocs/spot/en/\#get-loanable-assets-data-user_data$

Estimated Hourly interest

LOAN CALCULATION

Here the formulae and methods of variance for loan calculation is deduced for reference ::

Volatility Index Calculation

- Firstly, gather daily crypto price and then determine the mean of the crypto price. Let us assume the daily crypto price on an ith day as Pi and the mean price as Pav.
- Next, compute the difference between each day's crypto price and the mean price, i.e., Pi –
- Next, compute the square of all the deviations, i.e. (Pav Pi)^2.



- Next, find the summation of all the squared deviations, i.e. ∑ (Pav Pi)^2.
- Next, divide the summation of all the squared deviations by the number of daily crypto prices, say n, called the variance.

Variance = $\sum (Pav - Pi)^2 / n$

Next, compute the daily volatility or standard deviation by calculating the square root of the variance of crypto.

Daily volatility = $\sqrt{(\text{Pav} - \text{Pi})^2} / \text{n}$

Annualized volatility would be √365 * crypto's daily volatility

Monthly volatility would be v30 * crypto's daily volatility

INITIAL LTV CALCULATION

LTV = (LTV%)(AV)

Liquidation % =(LTV%)(1+LV%)

= 80/100(1+10/100)

=(80/100)*(110/100)

0.88

Liquidation condition - AVc> 0.88 (AVi) OR otherwise Liquidate

Margin Call

M% = 95%AVi-L%

=(95%*100)-0.88

94.12

AVc> 95%AVi or otherwise Margin call notify

Parameters	
Asset Value - AV	
Asset Value Initial - AVi	100
Asset Value Current - AVc	
Liquidation % - L%	
Loan To value % - LTV % (Loan Amount / Collateral Amount x 100%)	80%
Margin Call % - M%	
Liquidation value % - LV%	10
Loan Amount = Principal + Interest	

P.S:: The values mentioned in the above table are for the calculations shown.

