1. **Test Overview**

1.1 Purpose of preparation

    This test report is the test report of Bitshares Molibe APP. The purpose of this test report is to summarize the test situation and analyze the test results in the test phase, describe whether the system meets the requirements of users, whether the functions can achieve the expected goals and execute accurately, and analyze the test quality.

    Test report reference documentation is available to users, testers, developers, project managers, other managers, and community members who need to read this report.

1.2 Test scope

    Testing is mainly carried out according to the planned design route and the actual operation of the users, including functional testing, performance testing, security, user interface testing and compatibility testing, while unit testing and integration testing are performed by the developers.

1. **Test Plan Implementation**

2.1 **Type of test**

Test Type	Test Content	Test purposes	Test tools and methods used
Function test	Registration, Login, Backup, Log Off, Transaction Pair Search Add, Transaction Buy, Transaction Sell, Transfer, Voting, Mortgage Loan, Purse File Import into Common Account, Purse File Import into Oversigned Account, Initiate Proposal, Proposal Approval, Proposal Cancellation	Verify that all functions have been properly implemented and that the software can be used as required by the user: 1.Function Process Verification: Whether each function operation is effective or not. Try a variety of special operations to find bugs that might exist. 2.Data and Content: Display information and data accurately. Prompt content description correct.	Adopt Black-Box Testing test, boundary value test, equivalence class partition and other test methods to carry out manual test
User interface testing	Page Structure: Including menu, background, color, font, button, Title, prompt consistency, etc Friendliness, ease of use,	Verify that the software style conforms to acceptable standards and that the user interface is user friendly, easy to operate, and	Manual test

	reasonableness, consistency, correctness	consistent with user operating habits	
Security Test	Registration, Login, Log Off The account is loc after that proces stops	1.Application-level security: Verify that users can only operate on features that they have permissions to operate on 2.The import and backup of wallet files tests a variety of network environments.	Black-Box Testing test, Manual test
Performance Test	1.Registration, Login Response Speed 2.Switching response speed of each functional module	1. Verify the stability of software performance under the condition of multi-data push and multi-program running of mobile phone, without causing program crash or related abnormal phenomena.	Black-Box Testing test, Manual test

2.2 Test Environment and Configuration

Equipment name	iPhone 8 plus, iPhone 7, iPhone 6 plus Vivo x9, Vivo x9s plus, Honor V9, MI MAX, Huawei mate8
Equipment system	IOS 11.4.1, IOS 12.1.2, Android 7.1.2、7.0、8.1.0
Network environment	China Telecom 4G, China Telecom WiFi, Starbucks Public WiFi
Software version number	V1.5.0.0103

2.3 Testers

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3. Registration

Test Equipment	Network Status	Test method	Account No. Mode
IPhone,Huawei	4G, public WiFi,	Adopt Black-Box Testing	Wallet mode, private

Vivo,MI	home WiFi	test, boundary value test, equivalence class partition and other test methods to carry out manual test	key mode, account mode

3.1 Wallet Mode Registration

Test Content	Status	Test Results
1. Enter the account number and wallet password to register the wallet mode.	Implemented	PASS
2. Click Cancel No Backup after logging out prompt to complete the local backup operation automatically. Click Backup Tip Non-wifi Network Environment Not Supported	Prompted	PASS
3. Incorrect format of the account number entered for registration prompt "Incorrect format of account number, please re-enter"	Prompted	PASS
4. Register to detect duplicate account name and prompt: "Name already exists, please re-enter". (Reminder is located below the software)	Prompted	PASS
5. That password enter in the registration is not in the correct format, and the reminder "the password is not in the correct format, please re-enter it". Normal.	Prompted	PASS
6. Registration password input is inconsistent twice, reminding "Password input twice is inconsistent, please re-enter"	Prompted	PASS
7. Click Registration Account Number, and fill in Help Question Number with Password. Skip to normal.	Prompted	PASS
8. Terms of Service View	Implemented	PASS

3.2 Account Mode Registration

Test Content	Status	Test Results
1. The incorrect account number format input by registration prompts "The account number format is incorrect, please re-enter".	Prompted	PASS
2 Prompt after registration to detect duplicate account name: "Account name already exists, please re-enter"	Prompted	PASS
3. Password input is not in the correct format. Remind "Password is not in the correct format. Please re-enter it"	Prompted	PASS
4. Registration password input is inconsistent twice, reminding "Password input twice is inconsistent, please re-enter"	Prompted	PASS

5. Click the Registration Account to fill in the Help Question Mark section, and it will be displayed normally.	Implemented	PASS
6. Click the Registration Password to fill in the Help Question Mark section, which displays OK.	Implemented	PASS
7. Click on the Terms of Service jump to display it correctly.	Implemented	PASS

4. Login section

Test Equipment	Network Status	Test method	Account No. Mode
IPhone,Huawei, Vivo,MI	4G, public WiFi, home WiFi	Use Black-Box Testing test for manual test	Account Mode, Wallet Mode, Private Key Mode

4.1 Account Mode Login

Test Content	Status	Test Results
1. Login succeeded after inputting valid account number and correct password. Enter multi-password account test login succeeded.	Implemented	PASS
2. Enter the account number that does not exist and prompt "Account number does not exist" to display normal.	Prompted	PASS
3. Enter the account number and password registered in wallet mode, and prompt "Password is incorrect, please re-enter".	Prompted	PASS
4. Click the Grey Delete button at the end of the account and password to clear the current content that has been entered.	Implemented	PASS
5. Enter the account number mode account number, enter the wrong password, and open the transaction password: the input format is incorrect. Click Login Prompt: "The format of the transaction password is incorrect, please re-enter" to detect the format of the transaction password first.	Prompted	PASS
6. Click Help Question Mark to display format description of transaction password	Implemented	PASS

4.2 Wallet mode login

Test Content	Status	Test Results
1, input that ip address correspond to the wallet mode in the chrome browser of the PC terminal unde the condition of the same home WiFi. Connected successfully.	Implemented	PASS
2. Display the Import Backup interface. Up to the	Implemented	PASS

corresponding bin file At that mobile terminal, the correspond bin file is displayed, and the wallet password is enter, and the login is successful.		
3. After the keyboard appears in the wallet mode login input interface, it cannot be canceled in the current interface.	To be optimized	Submit optimization
4. Add non-bin file Enter wallet password prompt "Invalid wallet file or incorrect password"	Prompted	PASS
5. Click on wallet bin file to enter wallet password error prompt "wallet file is invalid or password is incorrect"	Prompted	PASS
6. No password prompt "Please enter a password"	Prompted	PASS
7, that mobile device switch to exit the import interface waiting for teste, test 1: the ip address cannot be opened. Test 2: open ip address invalid	Invalidated	PASS
8, aft logging out switch other wallet bin file login test normal.	Implemented	PASS
9. Trying to enter ip unreachable in starbucks public wifi scenario	Invalid	PASS
10, 4G network import prompt "initialization upload failed, only support to import wallet under wifi network" display normal.	Prompted	PASS
Existing bin files on the 11, 4G network are logged into the wallet mode normally.	Implemented	PASS

4.3 Private key mode login

Test Content	Status	Test Results
1. Enter the correct private key and set the transaction password to log in normally.	Implemented	PASS
2. Wrong private key "private key data is invalid, please re-enter" private key prompt for input account permission "private key data is invalid, please re-enter"	Prompted	PASS
3. Copy and paste private key feasible	Implemented	PASS
4. Incorrect format of transaction password input prompt "Incorrect format of transaction password, please re-enter"	Prompted	PASS
5. Click the private key of funds, and the help question mark button after the transaction password jumps to indicate that it is OK.	Implemented	PASS
6. Automatically backup bin files aft logging out of private key mode. Both 4G and wifi modes are valid for execution.	Implemented	PASS
7. Try to import the bin files that are automatically backed up locally in private key mode. Login succeeded	Implemented	PASS

5. Logoff function

Test Equipment	Network Status	Test method	Account No. Mode
IPhone,Huawei, Vivo,MI	4G, public WiFi, home WiFi	Use Black-Box Testing test for manual test	Account Mode, Wallet Mode, Private Key Mode

5.1 Cancellation of account number

Test Content	Status	Test Results
1. The Logoff reminder menu in any mode appears normal. The pop-up prompt is OK. Clicking Cancel will terminate the logout behavior. Click OK to log out.	Implemented	PASS
2. If that current account mode is wallet mode or private key mode, the bin file will be automatically bac up to the local device after logoff. 4G network, WiFi network valid.	Implemented	PASS
3. Logging out of the automatically backed up bin file automatically updates the overwrite	Implemented	PASS

6. Backup Functions

Test Equipment	Network Status	Test method	Account No. Mode
IPhone,Huawei, Vivo,MI	4G, public WiFi, home WiFi	Use Black-Box Testing test for manual test	Account Mode, Wallet Mode, Private Key Mode

6.1 Backup wallet

Test Content	Status	Test Results
1, the backup function can only be performed under wifi networks	Implemented	PASS
2, that t equipment is under the same home WiFi network. PC successfully connected with mobile ip using chrome input. The PC shows that the binary file already exists in the mobile terminal is normal. PC Endpoint Click Download Button Operates Normally. Download successful. Reverse Operation Import New Software Attempt to log in valid.	Implemented	PASS
3. Trying to enter ip unreachable in starbucks public wifi scenario	Not implemented	Test Failed

7. Comprehensive function test

Test Equipment	Network Status	Test method	Account No. Mode
IPhone,Huawei,	4G, public WiFi,	Adopt Black-Box Testing	Wallet mode, private

Vivo,MI	home WiFi	test, boundary value test, equivalence class partition and other test methods to carry out manual test	key mode, account mode

7.1 Quotation Asset Interface

Test Content	Status	Test Results
1. Click to display K line, change circle, day line, time division line, switch to display normally.	Implemented	PASS
2. Zoom in and out normal.	Implemented	PASS
3. Press the K-line column to display the accurate information.	Implemented	PASS
4. Various parameters and quantities are displayed correctly.	Implemented	PASS
5. Check the transaction depth, trading quantity, price, and volume line to see if they are normal.	Implemented	PASS
6. Check the transaction records, time, direction, price, and quantity to see if they are normal.	Implemented	PASS
7. Click the Favorite button, OK. Click Cancel Favorites again, OK.	Implemented	PASS
8. Gateway Introduction Help Question Mark Click Jump Normal.	Implemented	PASS

7.2 Increase and decrease transaction pairs

Test Content	Status	Test Results
1. The market interface will be effective after the search asset is opened.	Implemented	PASS
2. Prompt "Up to 20 transaction pairs can be customized" after exceeding the set upper limit.	Implemented	PASS
3, that input content is not limit to include text, symbols and the like. The absence of the asset being searched will prompt for "no result".	Prompted	PASS
4. Click on the transaction pair switch button to turn it on and turn it on to blue, and turn it off to display gray as normal.	Implemented	PASS
5. The names of various gateway assets are displayed correctly.	Implemented	PASS

7.3 Trading

Test Content	Status	Test Results
1. Trading assets: OPEN.BTC/BTS, GDEX.BTC/BitCNY,	Implemented	PASS

GDEX.EOS/BitCNY, BitUSD/BTS, cancel, buy and sell.		
2. Buy one and sell one at a price that is normal.	Implemented	PASS
3, Enter quantity, price skip numeric keyboard normal.	Implemented	PASS
4. Percentage of clicked quantity: 25%, 50%, 100% all operate normally.	Implemented	PASS
5. Available amount is displayed normally. Transaction volume indicates normal.	Implemented	PASS
6. The uncompleted part enters the current entrustment interface. Normal. Click the Undo function. Normal.	Implemented	PASS
7. Prompt "Order placed successfully and order number" is normal after successful purchase.	Implemented	PASS
8. Click All for the current delegate. Enter the order management interface. Normal.	Implemented	PASS
9. Current Order, Historical Order Display Status, Transaction Pair, Time, Quantity, Price, Total Amount. Display data OK.	Implemented	PASS
10. Cancel Order Successfully Prompts "Order Plus Number, Canceled" Normal.	Prompted	PASS
11. Input quantity "0" in the trading interface indicates that "Please enter quantity" is normal.	Implemented	PASS
12. The execution fails when the current amount or quantity is insufficient to buy or sell. The prompt is normal.	Implemented	PASS
13. Try entering the minimum number of transactions. Minimum quantity limits vary for different asset values. Too low a turnover indicates "too low a turnover"	Prompted	PASS
14. Try entering the minimum transaction unit price. Minimum price limits vary for different asset values. Too low a turnover indicates "too low a turnover"	Prompted	PASS
15. Click the Five Star button in the upper right corner of the buy interface to save it. Prompt Add AutoSelect Successful is OK.	Prompted	PASS
16. Slide left and right to switch the buying and selling interface. Normal.	Implemented	PASS
17. The current order display in the trading interface is normal.	Implemented	PASS

7.4 Mortgage loans

Test Content	Status	Test Results
1. The interface displays Feed Price, Strong Flat Price, Available Balance, Mortgage Rate, Asset Selection, and Reset Normal	Implemented	PASS
2. Click the Reset button and select the asset function is normal.	Implemented	PASS

Test Content	Status	Test Results
3. Select the asset cny to adjust mortgage, test the maximum repayment, and all mortgage functions are normal.	Implemented	PASS
4. Enter normal loan amount and collateral quantity. Adjustment of debt position normal	Implemented	PASS
5. Drag mortgage rate, available balance color, number, BTS color, number, mortgage rate number, color data changes with drag. Normal	Implemented	PASS
6. The drag target mortgage rate below 1.75 will not be displayed. 1.75 Above drag change number is normal	Implemented	PASS
7. Click Help Question Mark to skip Feed Price, Mortgage Rate and Target Mortgage Rate to introduce the contents of the Help interface. Normal	Implemented	PASS
8. On the premise of no change in the collateral and loan amount. Click Adjustment Debt Position to prompt "Loan quantity and collateral have not changed" as normal	Prompted	PASS
9. The operation fails to adjust the mortgage rate until the collateral is insufficient. The prompt "Collateral balance is insufficient, please adjust the quantity" is normal.	Prompted	PASS
10. Select Asset USD to enter the mortgage quantity and click All Mortgages. Prompt "Request failed, please try again later" (BitUSD is Black Swan Asset)	Prompted	Test failed
11 Asset selection EUR, JPY, KRW Adjustment Bond Position Normal.	Implemented	PASS

8. Service Interface

Test Equipment	Network Status	Test method	Account No. Mode
IPhone,Huawei, Vivo,MI	4G, public WiFi, home WiFi	Adopt Black-Box Testing test, boundary value test, equivalence class partition and other test methods to carry out manual test	Wallet mode, private key mode, account mode

8.1 Transfer

Test Content	Status	Test Results
1. Click Transfer to enter the transfer interface with normal function	Implemented	PASS
2. Click Send to Account Enter Account to display the search results. Favorite follow-up account information is normal	Implemented	PASS
3. Attempt to transfer funds to yourself, prompting "Collection account number and transfer account number cannot be the	Prompted	PASS

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Test Content	Status	Test Results
same" is normal		
4. Transfer Assets displays owned assets, and click Asset Change. Normal	Implemented	PASS
5. Toggle the Asset Display Asset Balance to Display the Available Quantity Normally	Implemented	PASS
6, click the input quantity to jump to the numeric keypad, and the input numeric correspondence is correct. Normal	Implemented	PASS
7. After entering the over-owned quantity, you will be prompted that the "insufficient quantity" is normal.	Implemented	PASS
8. Add Chinese, English, Emotions, Symbols, Japanese. Input OK	Implemented	PASS
9. Click Transfer Jump to confirm the transaction interface. Send Successfully After Confirmation	Implemented	PASS
10. Transfer the account with an account number that does not have a comment private key and make a comment. The prompt "No comment private key information, no comment is supported" is OK.	Prompted	PASS
11. Check the transfer receipt account number to confirm receipt of the transfer, but no comments are displayed.	Implemented	Notes Not Displayed

8.2 Voting

Test Content	Status	Test Results
1. Click on the voting interface to enter. Normal.	Implemented	PASS
2. Slide Toggle Witnesses, Council, Budget Item. Normal.	Implemented	PASS
3. Displays the account number, total number of votes, project name, creator, expiration date, worker type of the corresponding voting object, and ranks normally.	Implemented	PASS
4. Click on voting objects, council, witnesses, budget items, lighted text and checkbox icons to show significant changes	Implemented	PASS
5. Click Introduction to jump to the corresponding website. Normal.	Implemented	PASS
6. Click the question mark help interface to jump to the corresponding solution interface. Normal.	Implemented	PASS
7. Click Reset Interface to reset the voting status when entering the voting interface. Normal.	Implemented	PASS
8. Click to vote with no change of voting object to prompt "No change of voting information, no need to submit"	Prompted	PASS
9. Submit a changed voting operation. Execution successful.	Implemented	PASS
10. Click Set Agent to enter the Select Agent Account interface. Search Bar Search OK. Focus Account Show Normal.	Implemented	PASS
11, click that correspond agent prompt "set agent	Prompted	PASS

Test Content	Status	Test Results
succeeded". The voting interface displays the proxy voter ID. Click on the polling agent to help the question mark jump normal.		
12. If there is a proxy set, clicking on the voting interface will prompt "Do you have a voting proxy set, manually editing the voting information will cancel the proxy and continue voting?" Normal. Click OK to cancel delegate and click Cancel Termination. Normal.	Prompted	PASS

8.3 Account Inquiry

Test Content	Status	Test Results
1. Click Account Query to jump to enter. Show Favorite Accounts.	Implemented	PASS
2. Enter the valid account name in the input box, and automatically retrieve and display the account number.	Implemented	PASS
3, that name and numb of the search account are displayed.	Implemented	PASS
4. Click {cs6f729cf6lang1024} Account Jump No. {cs6f729cf6lang1024} to select {cs6f729cf6lang1024} Asset {cs6f729cf6lang1024} interface.	Implemented	PASS
5. The details and asset interface can be switched to view the operation by sliding.	Implemented	PASS
6. Click the Favorite button in the upper right corner to validate. Click Cancel again to validate. Prompt for Focus Success or Cancel Focus	Prompted	PASS

8.4 Mortgage Ranking

Test Content	Status	Test Results
1. Click Mortgage Ranking to enter the Mortgage Ranking interface. Normal.	Implemented	PASS
2, that fee information is displayed to be normal. The question mark help button jumps to the corresponding feed price description is normal.	Implemented	PASS
3. Look at that mortgage rankings USD show that there are no users to mortgage.	Implemented	PASS
4. CNY mortgage ranking displays contents, account number, Qiangping departure price, mortgage rate, borrowed CNY quantity and mortgage BTS quantity. Normal.	Implemented	PASS
5. Click any account to jump to the asset interface of this account. Normal.	Implemented	PASS

8.5 Feed Details

Test Content	Status	Test Results
1. Click Feed Price Details to enter the Feed Price Details interface. Normal.	Implemented	PASS
2. The name of the witness, current feeding price, feeding price data, median deviation rate and release time of the interface information are displayed normally.	Implemented	PASS
3. Witnesses who do not publish a feed price are shown in gray. Normal.	Implemented	PASS
4. Click the Help Question Mark button to jump to the introduction of the corresponding price feeding instructions. Normal.	Implemented	PASS
5. Slide left and right to see that the USD and CNY feed price switching information is normal.	Implemented	PASS

9. My Menu Interface

Test Equipment	Network Status	Test method	Account No. Mode
IPhone,Huawei, Vivo,MI	4G, public WiFi, home WiFi	Adopt Black-Box Testing test, boundary value test, equivalence class partition and other test methods to carry out manual test	Wallet mode, private key mode, account mode

9.1 My Assets

Test Content	Status	Test Results
1. Click to enter my asset interface. Normal.	Implemented	PASS
2. Display the total assets conversion, asset name, available quantity, document hanging, transfer and transaction.	Implemented	PASS
3. The test setting interface changes the pricing method, converting the assets and total assets, and changing the pricing unit, which is effective.	Implemented	PASS
4. Click Transfer to jump to the Transaction interface and Transfer interface by pressing the Transaction function button. Normal.	Implemented	PASS
5. Slide left and right to toggle the Asset and Detail interface. Normal.	Implemented	PASS
6. The details interface displays transaction purchase and sale, transfer, adjustment of bond position, and creation of	Implemented	PASS

cancellation order history. Normal.		

9.2 Order Management

Test Content	Status	Test Results
1. Click Order Management Page Switch. Normal.	Implemented	PASS
2. The current purchase and sale order is displayed in the order management interface. "No orders currently available" is displayed without an order on hand. Normal.	Displayed	PASS
3. Slide left and right to toggle the current order and historical order interfaces. Normal.	Implemented	PASS
4. The history order interface displays the order information of the history purchase and sale. Selling currency, transaction pair, price, quantity and total amount (displayed in legal currency corresponding to transaction pair at the time of closing) are displayed normally.	Implemented	PASS
5, view that warehouse receipt with the display content pop, the active sale receipt, and the color distinction of the purchase order is normal.	Displayed	PASS

9.3 WALLET & OVERSIGN

Test Content	Status	Test Results
1. The account mode test cannot be used, prompting "Multi-sign function only supports wallet mode, whether to create local wallet file for current account". Click "Cancel" to terminate. Click OK to enter the Upgrade Wallet Mode interface and set the wallet password.	Implemented	PASS
2, upgrade that wallet mode interface, and enter the correct password to upgrade successfully.	Implemented	PASS
3. Upgrade the wallet mode interface. Enter the wrong password or setting and the wrong format fails. The prompt will be displayed normally.	Implemented	PASS
4. Private key mode and wallet mode Click on wallet-multi-check to enter the interface. Normal.	Implemented	PASS
5. The wallet-multi-sign interface displays the account name, permission and color distinction status. The normal distinction is obvious.	Implemented	PASS
6. Click Import More Account Numbers to open Import Multi-signed Account Numbers and Import Common Account Selection. Normal.	Implemented	PASS
7. Click Import Multi-sign Account Entry Search Corresponding to Multi-sign Account to Import Successfully.	Implemented	PASS

Test Content	Status	Test Results
Importing non-oversigned account number prompts "An account number is not oversigned account number and cannot be imported". Normal.		
8. Click Import Common Account, and the jump account number mode login interface can be switched to the private key mode login interface by sliding. Normal.	Implemented	PASS
9. Import the common account number, enter the account number and password, and click Login Import immediately.	Implemented	PASS
10, import that private key mode of the common account, enter the correct private key, and then click login and import immediately to finish.	Implemented	PASS
11, test error message login, failed. Prompt Content Display Normal.	Prompted	PASS
12. Click the Private Key Mode Question Mark Help button to jump to the corresponding question interface normally.	Implemented	PASS
13, teste different login modes import of that same account number. The same account number is displayed and permissions in both modes are merged. Normal.	Implemented	PASS
14. Test the setup of the current account and delete the account in the wallet file. Normal.	Implemented	PASS
15. Delete wallet & oversign the unique account in the wallet. Failed. Prompt "Keep at least one account in wallet" cannot be deleted. Normal.	Prompted	PASS
16, click the backup wallet, jump to the backup wallet interface, display ip and the current wallet bin file. Normal.	Implemented	PASS
17, aft logging out, log into that wallet of the multi-account numb again, and enter the password of the wallet as the password of the first wallet mode account at the beginning. Login succeeded.	Implemented	PASS
18, Wallet-Multiple checks automatically back up the latest wallet files after logging off.	Implemented	PASS

9.4 Proposal Management

Test Content	Status	Test Results
1. Click Proposal Management to enter the proposal management interface. Normal.	Implemented	PASS
2. Displays all proposals received for all accounts currently in your wallet. Normal.	Implemented	PASS
3. Display proposal number, target account number, origination account number, status, authorization progress, authorization account number, authorization status, and proposal content. Content display normal.	Implemented	PASS

Test Content	Status	Test Results
4. The authorization and approval operation of the account with permissions was successfully tested. Accounts with multiple privileges are optional when approving this wallet file.	Implemented	PASS
5. Test the unauthorized account for permission approval. The prompt "You do not have any permission to perform the approval operation" is normal.	Prompted	PASS
6. Handling fee account number The account number for paying the handling fee is the account number with the private key of the fund in the wallet, which can be selected by yourself. Prompt for authorization approval succeeded after submission.	Implemented	PASS
7. Testing Authorization Withdrawal for Authorized Proposals. Success.	Implemented	PASS

9.5 Initiation of Proposals

Test Content	Status	Test Results
1. When there is no corresponding permission account, a prompt will pop up indicating that there is no permission to operate and ask whether to initiate proposal transaction. Terminate after clicking Cancel. Click OK to enter the sponsoring proposal interface. Show proposal content. Normal.	Implemented	PASS
2. Initiate Proposal UI. Select a proposal initiation account from the wallet account. Normal selection.	Implemented	PASS
3. Normal submission of proposals. The tests include buy, sell, vote board, vote witness, and vote worker. Operation performed normally.	Implemented	PASS
4. Test proposal sponsor account number, authorization account number, target account number proposal has been received and displayed.	Implemented	PASS

9.6 Frequently Asked Questions

Test Content	Status	Test Results
1. Click Frequently Asked Questions to enter the QA Help interface. Normal.	Implemented	PASS
2. Slide to see what is displayed. Normal.	Implemented	PASS

9.7 Settings

Test Content	Status	Test Results
1, click to enter the setting interface. Normal.	Implemented	PASS

2. Change the pricing methods USD, EUR, JPY, KRW, BTS. View the corresponding change in asset conversion calculation unit in my asset interface. Valid.	Implemented	PASS
3, click on the theme style to change the color pearl white, quiet basket. Change valid Normal.	Implemented	PASS

9.8 About

Test Content	Status	Test Results
1. Click About to enter the interface. Normal.	Implemented	PASS
2. Including email, website, telegram, WeChat, version number content display is normal.	Implemented	PASS

9.9 Account Portrait

Test Content	Status	Test Results
1. Click to open the login interface when you are not logged in.	Implemented	PASS
2. Click the account number in login status to view the account information.	Implemented	PASS
3. Click Backup Operation to jump to Backup Interface Normal.	Implemented	PASS
4. Test the validity of the logout function, and a warm prompt will pop up. Cancel and make sure the buttons are active.	Implemented	PASS

10. Deduction risk

Test Content	Whether to deduct fees	Comments
Connect Network	Possible deduction	Connections to 2G, 3G, 4G and WIFI networks are subject to a fee (charged by the operator)

11. Risk of privacy breach

Test Content	Leak or not	Comments
Access to mobile information	No	APP temporarily has no functionality or requirements to access mobile phone information
Access Address Book Information	No	APP temporarily does not have any functionality or requirements to access address book information
Permission Verification	No	Photo, modify or delete SD card content, read SD card content

12. Installation Testing

Test Content	Test Results
Trial run after the App installation is complete, the software can be	Yes

opened normally	
App open test, is there a load status progress prompt	Yes
App Open Speed Test, Is the Speed Considerable	Yes
Whether the switching between App pages is smooth and the logic is correct	Yes

13. APP update

Test Content	Test Results
1. Update prompt when the client has a new version	Yes
2. When the client has a new version, if the client is not deleted locally, check whether the update is normal or not by updating directly	No

14. Unloading

Test Content	Test Results
Remove the installation folder directly if you are prompted to uninstall	No
Test the system for prompts to uninstall the program directly	No
Test whether all files are deleted from all installation folders after uninstallation	Yes
Testing for unexpected conditions during unloading (e.g., crash, power failure, restart)	No
Does the uninstall support cancellation	Yes

15. Crossover Event Test

Test Content	Test Results
Whether multiple Apps are running at the same time affects normal functionality	No
Does the App Runtime Pre/Background Switch Affect Normal Functionality	No
Does dialing/answering a phone while App is running interfere with normal functionality	No
Does the App runtime send/receive information affect normal functionality	No
Does the App runtime handoff network (3G, 4G, wifi) affect normal functionality	No
Whether browsing the network while App is running affects normal functionality	No
Does the use of Bluetooth to send/receive data while App is running affect normal functionality	No
Whether the use of camera, calculator and other mobile devices in the App runtime will affect the normal function of the App	No
Whether charging during App Runtime affects normal functionality	No

16. Graphic Testing

Test Content	Test Results
Comparing horizontally, the operation mode of each control is uniform	Yes
Adaptive interface design, content adapted according to window size	Yes
Uniform page label style	Yes
Is the page beautiful	Yes
The picture quality should be high and the picture size should be as small as possible when the design meets the requirements	Yes
The whole interface should not use too many colors	Yes

17. Content Testing

Test Content	Test Results
The input box indicates whether the text is consistent with the system functionality	Yes.
Is text length limited	No
Whether the meaning of the text is unclear	No
Are there any typographical errors	No
Whether all information is displayed in both Chinese and English	No
Whether all operation menus and interfaces can be displayed in Chinese and English	Yes

18. Data security

Test Content	Test Results
When a password or other sensitive data is entered into an application, it is not stored in the device and the password is not decoded	Wallet files are encrypted and stored
The password you enter will not be displayed in clear text	Yes
Passwords or other sensitive data will not be stored in their pre-entered locations	No
Different mode passwords must be at least 8 characters long and contain upper and lower case letters and numbers.	Yes
Backups should be encrypted, recovered data should take into account abnormal communication interruptions in the recovery process, and data should be verified before being reused after recovery.	Yes
The application should notify the user or the application to provide a Cancel command before the account is logged off to delete the data	Yes
A password is required for re-entry after the application has been interrupted	Yes
The Cancel command operation enables its functionality to be fulfilled according to the design requirements	Yes
Delete nothing from your personal information management application without the explicit permission of the user	Yes
The application reads and writes data correctly	Yes

19. Suggestions for improvement

Function	Content of recommendations
Register Login	account、password format requirements are recommended to be displayed directly in the input box, intuitive, effective
Register Login	When registering in account mode, you can set the unlock password directly
Register Login	The icon button to clear the account password is not obvious
Login	The keyboard that appears for wallet mode login cannot be canceled
Login	Input optimization for private key mode. Two-dimensional code
Backup	Automatic backup of the same account will overwrite the latest update. Please indicate whether or not.
Import Export	Unable to connect for special WiFi network, join note
Private key login	The password for private key mode login is the same as the password for the backup bin file wallet. Join Note
Asset Add	Whether or not to add text to the switch to add a transaction pair secondary description
Asset interface	Whether the total asset calculations are also added with approximate equals
Wallet & Sign More	Consider adding custom wallet files and password changes
About	Optimize display content and contact information by adding jumps and color discrimination
About	Add a reminder with updatable status. Can be updated manually in this interface
Android	Test some Android devices to boot the interface without a network, and the boot interface is also stuck after the network connection (Vivo x9)
Android	Optimize unified prompt box, prompt icon style and color unification

Test Results

The following test results are given for reference only based on the test synthesis assessment

Sequence number	Contents	Results
1	Test whether all functional parts are available.	Yes
2	Test equipment, incomplete system, incomplete compatibility test	Yes
3	Passed the test and allowed to go online	Yes
4	Details can be optimized and perfected	Yes
5	Pass the test	Yes