**WannaWin Test Document**

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# Test summary

## Testing purposes

This test document is a test document for the WannaWin project. The purpose is to test whether the merchant back-end website, Android client, and Apple client meet the requirements in the WannaWin project.

## 1.2 Test environment

Background and database server：

Operating system： Ubuntu Server 16.04.1 LTS 64 Bit

Hardware Configuration：1 core CPU 2GB memory 50GB hard drive

Android client：

Android version：5.1.1

Phone configuration：1.5GHz Snapdragon 616 eight core 3GB running memory

Apple client：

IOS version：10.3

Phone configuration:

Merchant back office management website：

Browser：Google Chrome version 68.0.3440.106（official version） （64 Bit）

Operating system：Windows 10 Professional 64-bit

Hardware configuration: Intel CORE I5-7500 CPU, Kingston 8GB DDR4 memory module, GTX1050 graphics card, 1TB mechanical hard disk

# Functional testing

## 2.1 Merchant Management Backstage

Main test function module：

* Merchant login and logout
* View, add, modify, delete discounted items
* View, add, modify, delete full reduction activities
* View, add, edit, delete business activities
* View business history orders
* Display the use of merchant points over the past year
* View and modify business information

### 2.1.1 Merchant login and logout

|  |  |  |  |
| --- | --- | --- | --- |
| Use case number | A001 | Module | Merchant login and logout |
| Use case name | Merchant login | | |
| status | Open this business website | | |
| Test | Test operation | Result | |
| Test1 | Enter a legal username and password | Successful login, jump to the merchant's homepage, in line with expectations | |
| Test2 | Enter an illegal username and password | Login failed, prompting username or password is incorrect, in line with expectations | |

|  |  |  |  |
| --- | --- | --- | --- |
| Use case number | A002 | Module | Merchant login and logout |
| Use case name | Merchant logout | | |
| status | Any location on the merchant's website after login | | |
| Test | Test operation | Result | |
| Test1 | Click the logout button in the top right corner | The user logs out and jumps to the login page, which is in line with expectations. | |

### 2.1.2 View, add, modify, delete discounted items

|  |  |  |  |
| --- | --- | --- | --- |
| Use case number | B001 | Module | Discounted items |
| Use case name | View discounted goods | | |
| status | Open the business website and login | | |
| Test | Test operation | Result | |
| Test1 | Click on the product list on the left | A list of items appears in the main content area, in line with expectations | |
| Test2 | Successful logining | A list of items appears in the main content area, in line with expectations | |

|  |  |  |  |
| --- | --- | --- | --- |
| Use case number | B002 | Module | Discounted items |
| Use case name | Edit discounted items | | |
| status | Open the item list page | | |
| Test | Test operation | Result | |
| Test1 | Click the edit button for one of the items | Jump to the edit page of the item, the page contains information about the item, in line with expectations | |
| Test2 | Edit the description of the item and click Submit | The page is refreshed to the product list page, the product content has been updated, in line with expectations | |
| Test3 | Enter invalid information and click submit | Pop up the corresponding error message, do not submit | |

|  |  |  |  |
| --- | --- | --- | --- |
| Use case number | B003 | Module | Discounted items |
| Use case name | Delete items | | |
| status | Open the item list page | | |
| Test | Test operation | Result | |
| Test1 | Click the delete button for one of the items. | Jump to the edit page of the item for the item, the item has been deleted from the page, in line with expectations | |

|  |  |  |  |
| --- | --- | --- | --- |
| Use case number | B004 | Module | Discounted items |
| Use case name | Add special items | | |
| status | Open the main page | | |
| Test | Test operation | Result | |
| Test1 | Click on the left navigation bar to add the item button | Jump to add page, in line with expectations | |
| Test2 | Output information about legitimate products, click submit | Go to the product list page, the item has been displayed, in line with expectations | |
| Test3 | Enter illegal product related information, click submit | Prompt for the relevant content of the error input, stop submitting, in line with expectations | |
| Test4 | Enter some product information, required fields are not filled in | Prompt required fields must be filled in, stop submitting, in line with expectations | |

### 2.1.3 View, add, modify, delete full reduction activities

|  |  |  |  |
| --- | --- | --- | --- |
| Use case number | C001 | Module | Full reduction strategy |
| Use case name | View full reduction activity | | |
| status | Open the business website and login | | |
| Test | Test operation | Result | |
| Test1 | Click on the strategy list on the left | A list of policy listings appears in the main content area, in line with expectations | |

|  |  |  |  |
| --- | --- | --- | --- |
| Use case number | C002 | Module | Full reduction strategy |
| Use case name | Edit Full reduction strategy | | |
| status | Open the offer strategy list page | | |
| Test | Test operation | Result | |
| Test1 | Click the edit button corresponding to the strategy in one of them. | Jump to the edit page of the item, the page contains the information of the strategy, in line with expectations, but the page content is more concentrated, not in line with expectations | |
| Test2 | Modify the policy's full reduction information and click Submit | The page is refreshed to the policy list page, the policy content has been updated, in line with expectations | |
| Test3 | Enter an illegal policy and click Submit. | Pop up the corresponding error message, do not submit | |

|  |  |  |  |
| --- | --- | --- | --- |
| Use case number | C003 | Module | Full reduction strategy |
| Use case name | Delete Full reduction strategy | | |
| status | Open the offer strategy list page | | |
| Test | Test operation | Result | |
| Test1 | Click the delete button for one of the policies | Jump to the strategy list page, the policy has been deleted on the page, in line with expectations | |

|  |  |  |  |
| --- | --- | --- | --- |
| Use case number | C004 | Module | Full reduction strategy |
| Use case name | Add Full reduction strategy | | |
| status | Open the main page | | |
| Test | Test operation | Result | |
| Test1 | Click the left navigation bar to add a policy button | Jump to the add strategy page, in line with expectations | |
| Test2 | Output information about the legal Full reduction strategy, click Submit | Jump to the strategy list page, the strategy has been shown, in line with expectations | |
| Test3 | Add a non-numeric symbol to the full size of the policy, click Submit | Prompt can only enter numbers, stop submitting, in line with expectations | |
| Test4 | Enter some product information, required fields are not filled in | Prompt required fields must be filled in, stop submitting, in line with expectations | |

### 2.1.3 View, add, edit, delete business activities

|  |  |  |  |
| --- | --- | --- | --- |
| Use case number | D001 | Module | Merchant activity |
| Use case name | View business activitys | | |
| status | Open the business website and login | | |
| Test | Test operation | Result | |
| Test1 | Click on the activity list on the left | A list of active listings appears in the main content area, in line with expectations | |

|  |  |  |  |
| --- | --- | --- | --- |
| Use case number | D002 | Module | Merchant activity |
| Use case name | Edit a business activity | | |
| status | Open the business activity list page | | |
| Test | Test operation | Result | |
| Test1 | Click the edit button for the activity in one of the activities | Jump to the edit page of the event, the page contains information about the event, in line with expectations | |
| Test2 | Edit the specific information for the event and click Submit | The page is refreshed to the event list page, the activity content has been updated, in line with expectations | |
| Test3 | Enter illegal event information and click Submit. | The corresponding error message pops up, no submission, in line with expectations | |

|  |  |  |  |
| --- | --- | --- | --- |
| Use case number | D003 | Module | Merchant activity |
| Use case name | Delete merchant activity | | |
| status | Open the business event list page | | |
| Test | Test operation | Result | |
| Test1 | Click the delete button for one of the activities | Refresh the activity list page, the activity has been deleted on the page, in line with expectations | |

|  |  |  |  |
| --- | --- | --- | --- |
| Use case number | D004 | Module | Merchant activity |
| Use case name | Add a business activity | | |
| status | Open the main page | | |
| Test | Test operation | Result | |
| Test1 | Click the left navigation bar to add an activity button. | Jump to add event page, in line with expectations | |
| Test2 | Export information about legitimate business events, click submit | Jump to the event list page, the event has been shown, in line with expectations | |
| Test3 | Add a non-date format symbol on the date of the event, click Submit | Prompt can only enter the date, stop submitting, in line with expectations | |
| Test4 | Enter some activity information, required fields are not filled in | Prompt required fields must be filled in, stop submitting, in line with expectations | |

### 2.1.4 View business history orders

|  |  |  |  |
| --- | --- | --- | --- |
| Use case number | E001 | Module | View historical information |
| Use case name | View historical information | | |
| status | Open the main page | | |
| Test | Test operation | Result | |
| Test1 | Click the left navigation bar to view the history information button. | Jump to the add history page, in line with expectations | |

### 2.1.5 Display the use of merchant points over the past year

|  |  |  |  |
| --- | --- | --- | --- |
| Use case number | F001 | Module | Statistics |
| Use case name | View score distribution information | | |
| status | Open the main page | | |
| Test | Test operation | Result | |
| Test1 | Click the left navigation bar statistics button | Jump to the statistics page, the three charts on the page are loaded normally, but you just need to wait for the load when you click on it. | |

### 2.1.5 View and edit business information

|  |  |  |  |
| --- | --- | --- | --- |
| Use case number | G001 | Module | Business information |
| Use case name | View business information | | |
| status | Open the main page | | |
| Test | Test operation | Result | |
| Test1 | Click the left navigation bar listing button | Go to the business information page, the listing is loaded and displayed, in line with expectations | |

|  |  |  |  |
| --- | --- | --- | --- |
| Use case number | G002 | Module | Business information |
| Use case name | Edit business information | | |
| status | Open the main page | | |
| Test | Test operation | Result | |
| Test1 | Click the left navigation bar listing button | Go to the business information page, the listing is loaded and displayed, in line with expectations | |
| Test2 | Edit your listing and click Submit | Business information to refresh, in line with expectations | |

## 2.2 Android client

* Account related modules (login, registration, password change, etc.)
* Membership card section
* Point section
* Found section
* Points payment section

### 2.2.1Account module

|  |  |  |  |
| --- | --- | --- | --- |
| Use case number | H001 | Module | Account module |
| Use case name | Verification code acquisition | | |
| status | Open APP | | |
| Test | Test operation | Result | |
| Test1 | Click to register | Jump to the registration interface, the interface is loaded normally, in line with expectations | |
| Test2 | Enter the legal mobile number and click to get the verification code. | Received verification code information in about 3 seconds, in line with expectations | |
| Test3 | Enter the illegal mobile number and click to get the verification code. | Prompt phone number format is incorrect, in line with expectations | |

|  |  |  |  |
| --- | --- | --- | --- |
| Use case number | H002 | Module | Account module |
| Use case name | registration | | |
| status | Successfully obtained verification code | | |
| Test | Test operation | Result | |
| Test1 | Enter the obtained verification code and two consecutive passwords, Click to register | Prompt registration success, jump to the home page, in line with expectations | |
| Test2 | Inconsistent passwords, Click to register | Prompt that the password entered twice is inconsistent, in line with expectations | |
| Test3 | Enter the wrong verification code | Prompt verification code input error, in line with expectations | |

|  |  |  |  |
| --- | --- | --- | --- |
| Use case number | H003 | Module | Account module |
| Use case name | Login | | |
| status | Open APP | | |
| Test | Test operation | Result | |
| Test1 | Enter the correct account number and password | Jump to the main interface, the interface loads normally, in line with expectations | |
| Test2 | Enter the wrong username or password | Prompt user name or password is incorrect, in line with expectations | |

|  |  |  |  |
| --- | --- | --- | --- |
| Use case number | H004 | Module | Account module |
| Use case name | change Password | | |
| status | Open APP | | |
| Test | Test operation | Result | |
| Test1 | Click change Password | Jump to the change Password interface, the interface loads normally, in line with expectations | |
| Test2 | Enter the legal mobile number and click to get the verification code. | Received verification code information in about 3 seconds, in line with expectations | |
| Test3 | Enter the verification code, as well as the new password, click Submit | Submitted successfully, successful change Password | |

### Membership card section

|  |  |  |  |
| --- | --- | --- | --- |
| Use case number | I001 | Module | Membership card section |
| Use case name | View all membership cards | | |
| status | Open APP，Open the main page | | |
| Test | Test operation | Result | |
| Test1 | Click to view all buttons | A list of cards appears, all membership cards are loaded normally, in line with expectations | |
| Test2 | Open the main page | Various cards are loaded normally, in line with expectations | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use case number | I002 | | Module | Membership card section |
| Use case name | Add a membership card | | | |
| status | Open APP，Open card list | | | |
| Test | Test operation | | Result | |
| Test1 | Click on the top right plus sign | | A list of merchants appears, all partner merchants load normally, in line with expectations | |
| Test2 | | Select the business you want to add | Appears to add card page, in line with expectations | |
| Test3 | Enter the card account number and password, click submit | | Prompt to successfully bind the card, the card list is refreshed, a new card appears, and it meets expectations. | |

### 2.2.3Point section

|  |  |  |  |
| --- | --- | --- | --- |
| Use case number | J001 | Module | Point section |
| Use case name | Redeem | | |
| status | Open APP，Open the main page | | |
| Test | Test operation | Result | |
| Test1 | Click on the main page Redeem button | Enter the Redeem page, in line with expectations | |
| Test2 | Enter the points you need to redeem, click redeem | Prompt redemption, universal point updated, in line with expectations | |
| Test3 | Enter more points than existing points, click redeem | The prompt exceeds the maximum value and is automatically modified to the maximum value, in line with expectations | |

|  |  |  |  |
| --- | --- | --- | --- |
| Use case number | J002 | Module | Membership card section |
| Use case name | View Redeem records | | |
| status | Open APP，Open the “mine” tab | | |
| Test | Test operation | Result | |
| Test1 | Click on Redeem Record | Redeem record is loaded normally, in line with expectations | |

### 2.2.4Found section

|  |  |  |  |
| --- | --- | --- | --- |
| Use case number | K001 | Module | Merchant section |
| Use case name | Discover page loading | | |
| status | Open APP | | |
| Test | Test operation | Result | |
| Test1 | Click the button found below | The page loads normally, but the loading time is longer | |
| Test2 | Click on a business | Merchant activity loaded normally, in line with expectations | |

### 2.2.5Point payment section

|  |  |  |  |
| --- | --- | --- | --- |
| Use case number | L001 | Module | Point payment section |
| Use case name | Point payment | | |
| status | Open APP，Click on the QR code | | |
| Test | Test operation | Result | |
| Test1 | Click on the QR code below | QR code is loaded normally, in line with expectations | |
| Test2 | Scan QR code | Display payment success and corresponding information, in line with expectations | |

## 2.3 iOS client

* Account related module（login、registration、change password etc.）
* Membership card section
* Point section
* Found section
* Point payment section

### 2.3.1Account module

|  |  |  |  |
| --- | --- | --- | --- |
| Use case number | M001 | Module | Account module |
| Use case name | Verification code acquisition | | |
| status | Open APP | | |
| Test | Test operation | Result | |
| Test1 | Click to register | Jump to the registration interface, the interface is loaded normally, in line with expectations | |
| Test2 | Enter the legal mobile number and click to get the verification code. | Received verification code information in about 2 seconds, in line with expectations | |
| Test3 | Enter the illegal mobile number and click to get the verification code. | Prompt phone number format is incorrect, in line with expectations | |

|  |  |  |  |
| --- | --- | --- | --- |
| Use case number | M002 | Module | Account module |
| Use case name | registration | | |
| status | Successfully obtained verification code | | |
| Test | Test operation | Result | |
| Test1 | Enter the obtained verification code and two consecutive passwords, Click to register | Prompt registration success, jump to the home page, in line with expectations | |
| Test2 | Inconsistent passwords, Click to register | Prompt that the password entered twice is inconsistent, in line with expectations | |
| Test3 | Enter the wrong verification code | Prompt verification code input error, in line with expectations | |

|  |  |  |  |
| --- | --- | --- | --- |
| Use case number | M003 | Module | Account module |
| Use case name | Login | | |
| status | Open APP | | |
| Test | Test operation | Result | |
| Test1 | Enter the correct account number and password | Jump to the main interface, the interface loads normally, in line with expectations | |
| Test2 | Enter the wrong username or password | Prompt user name or password is incorrect, in line with expectations | |

|  |  |  |  |
| --- | --- | --- | --- |
| Use case number | M004 | Module | Account module |
| Use case name | change Password | | |
| status | Open APP | | |
| Test | Test operation | Result | |
| Test1 | Click change Password | Jump to the change Password interface, the interface loads normally, in line with expectations | |
| Test2 | Enter the legal mobile number and click to get the verification code. | Received verification code information in about 3 seconds, in line with expectations | |
| Test3 | Enter the verification code, as well as the new password, click Submit | Submitted successfully, successful change Password | |

### 2.3.2Membership card section

|  |  |  |  |
| --- | --- | --- | --- |
| Use case number | N001 | Module | Membership card section |
| Use case name | View all membership cards | | |
| status | Open APP，Open the main page | | |
| Test | Test operation | Result | |
| Test1 | Click to view all buttons | A list of cards appears, all membership cards are loaded normally, in line with expectations | |
| Test2 | Open the main page | Various cards are loaded normally, in line with expectations | |

|  |  |  |  |
| --- | --- | --- | --- |
| Use case number | N002 | Module | Membership card section |
| Use case name | Add a membership card | | |
| status | Open APP，Open card list | | |
| Test | Test operation | Result | |
| Test1 | Click on the top right plus sign | A list of merchants appears, all partner merchants load normally, in line with expectations | |
| Test2 | Select the business you want to add | Appears to add card page, in line with expectations | |
| Test3 | Enter the card account number and password, click submit | Prompt to successfully bind the card, the card list is refreshed, a new card appears, and it meets expectations. | |

### 2.3.3Point section

|  |  |  |  |
| --- | --- | --- | --- |
| Use case number | O001 | Module | Point section |
| Use case name | Redeem | | |
| status | Open APP，Open the main page | | |
| Test | Test operation | Result | |
| Test1 | Click on the main page Redeem button | Enter the Redeem page, in line with expectations | |
| Test2 | Enter the points you need to redeem, click redeem | Prompt redemption, universal point updated, in line with expectations | |
| Test3 | Enter more points than existing points, click redeem | The prompt exceeds the maximum value and is automatically modified to the maximum value, in line with expectations | |

|  |  |  |  |
| --- | --- | --- | --- |
| Use case number | O002 | Module | Membership card section |
| Use case name | View Redeem records | | |
| status | Open APP，Open the “mine” tab | | |
| Test | Test operation | Result | |
| Test1 | Click on Redeem Record | Redeem record is loaded normally, in line with expectations | |

### 2.3.4 Found section

|  |  |  |  |
| --- | --- | --- | --- |
| Use case number | P001 | Module | Merchant section |
| Use case name | Discover page loading | | |
| status | Open APP | | |
| Test | Test operation | Result | |
| Test1 | Click the button found below | The page loads normally, in line with expectations | |
| Test2 | Click on a business | Merchant activity loaded normally, in line with expectations | |

### 2.3.5Point payment section

|  |  |  |  |
| --- | --- | --- | --- |
| Use case number | Q001 | Module | Point payment section |
| Use case name | Point payment | | |
| status | Open APP，Click on the QR code | | |
| Test | Test operation | Result | |
| Test1 | Click on the QR code below | QR code is loaded normally, in line with expectations | |
| Test2 | Scan QR code | Display payment success and corresponding information, in line with expectations | |