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| Customer Need Document | 25th Oct  2021 |
|  | **Project :** Wildcraft  **Process Name:** GyFTR Integration |

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# **GyFTR Integration for POS**

# **Business Process**

Wildcraft proposes to use GyFTR for vouchers use at its showroom.

GyFTR is Brand Name of Vouchagram India Pvt. Ltd. Its business is Enabling, buying and selling of Instant gift vouchers. They are working with the nearly all the leading brands in India.

This document details out the integration requirement at the POS.

# **Scope of Integration:**

* Company owned stores
* Sales only. No Refunds.

# **Expected Process from System**

User Flow:

Diagram

Description automatically generated

APIs to be integrated:

|  |  |  |
| --- | --- | --- |
| Name | End Point | In Scope |
| Get Balance | [https://api.gyftr.net/batapay/api/merchant-services/getWalletBalance](https://apc01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fapi.gyftr.net%2Fbatapay%2Fapi%2Fmerchant-services%2FgetWalletBalance&data=04%7C01%7Caditya.upadhyay%40wildcraft.com%7C22884abbf1354ca33cb908d98eef4c07%7C3a9bf359689b492abf7b5e4f2f16d96c%7C0%7C0%7C637697980723403691%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=Jz6Tq2Lkx%2FwSLaM0f09rS9MjaZxnh2F5LhhCNq8NCyE%3D&reserved=0) | Yes |
| Generate OTP | [https://api.gyftr.net/batapay/api/merchant-services/generateOtp](https://apc01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fapi.gyftr.net%2Fbatapay%2Fapi%2Fmerchant-services%2FgenerateOtp&data=04%7C01%7Caditya.upadhyay%40wildcraft.com%7C22884abbf1354ca33cb908d98eef4c07%7C3a9bf359689b492abf7b5e4f2f16d96c%7C0%7C0%7C637697980723413646%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=RPRqBW7eQI6bWEU614o1w6gQCAV73EIwuWGD21Bc2MQ%3D&reserved=0) | Yes |
| Load WALLET | [https://api.gyftr.net/batapay/api/merchant-services/loadWallet](https://apc01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fapi.gyftr.net%2Fbatapay%2Fapi%2Fmerchant-services%2FloadWallet&data=04%7C01%7Caditya.upadhyay%40wildcraft.com%7C22884abbf1354ca33cb908d98eef4c07%7C3a9bf359689b492abf7b5e4f2f16d96c%7C0%7C0%7C637697980723413646%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=sz2987Z09fBsIs56tVKp6hQ7k%2B%2B0NUrrIEMYyn37giY%3D&reserved=0) | Yes |
| Recharge WALLET | [https://api.gyftr.net/batapay/api/merchant-services/rechargeWallet](https://apc01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fapi.gyftr.net%2Fbatapay%2Fapi%2Fmerchant-services%2FrechargeWallet&data=04%7C01%7Caditya.upadhyay%40wildcraft.com%7C22884abbf1354ca33cb908d98eef4c07%7C3a9bf359689b492abf7b5e4f2f16d96c%7C0%7C0%7C637697980723423604%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=sP0AljH0bdTQW5DItNsH2F%2Fbr5d%2F5XdlJO0oo2IjuTc%3D&reserved=0) | Yes |
| Wallet REDEMPTION | [https://api.gyftr.net/batapay/api/merchant-services/walletRedemption](https://apc01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fapi.gyftr.net%2Fbatapay%2Fapi%2Fmerchant-services%2FwalletRedemption&data=04%7C01%7Caditya.upadhyay%40wildcraft.com%7C22884abbf1354ca33cb908d98eef4c07%7C3a9bf359689b492abf7b5e4f2f16d96c%7C0%7C0%7C637697980723423604%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=%2FwxnbWU2raAUDwYMbu6PYdVOBKbyL%2Bq6rPi0aw7TQ9M%3D&reserved=0) | Yes |
| Getwallet Txn Status | [https://api.gyftr.net/batapay/api/merchant-services/getWalletTxnStatus](https://apc01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fapi.gyftr.net%2Fbatapay%2Fapi%2Fmerchant-services%2FgetWalletTxnStatus&data=04%7C01%7Caditya.upadhyay%40wildcraft.com%7C22884abbf1354ca33cb908d98eef4c07%7C3a9bf359689b492abf7b5e4f2f16d96c%7C0%7C0%7C637697980723433557%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=yLLLLZLgIlbWnOwix53%2FsTWD%2BsAqsDbOLjezIQ6Hkb8%3D&reserved=0) | Yes |
| Wallet REVERSAL | [https://api.gyftr.net/batapay/api/merchant-services/walletReversal](https://apc01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fapi.gyftr.net%2Fbatapay%2Fapi%2Fmerchant-services%2FwalletReversal&data=04%7C01%7Caditya.upadhyay%40wildcraft.com%7C22884abbf1354ca33cb908d98eef4c07%7C3a9bf359689b492abf7b5e4f2f16d96c%7C0%7C0%7C637697980723433557%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=JXQrSdk6GePxB6qMY1Zd8Gfh%2BHzAPty4GK2Mlj7qiPY%3D&reserved=0) | No |

At the POS:

User should have following options:

1. Under Cashier Tasks:
   1. GyFTR – Check Balance and Load

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |
|  | Mobile No | |  | | | |  |  |
|  |  |  |  |  |  |  |  |  |
|  | OTP |  |  | | | |  |  |
|  |  |  |  |  |  |  |  |  |
|  | Reference No | | Non-Editable | | | |  |  |
|  |  |  |  |  |  |  |  |  |
|  | Check Balance |  | Generate OTP for Loading Wallet |  | Load Wallet |  | Cancel |  |
|  |  |  |  |  |  |  |  |  |

## Balance Enquiry Process:

1. Mobile number should get populated basis the consumer selected / entered in previous screen at POS.
2. User should be able to update the mobile number
3. User then clicks “Check Balance”
4. Get Balance API is triggered.
5. Results are displayed in a popup window.
6. Now if the user wants to load vouchers into his wallet, user will click on “Generate OTP for Loading Wallet”. This will call “Generate OTP” API.
7. OTP will be sent to the user’s mobile. Same will be shared with the Showroom person, to be filled in OTP field.
8. After OTP has been entered, user clicks on “Load Wallet” to open a new window in which all vouchers are displayed which can be added into the wallet.

## Load Wallet Process:

1. On Clicking “Load Wallet”, Load WALLET API is called to fetch the list of vouchers which can be added into the wallet. Same are to be displayed with below options. Auto fetched vouchers are classified as of type “E”.
2. User can also click on “Add New Voucher” to insert a new voucher code which he has in possession and not visible in the fetched list of vouchers. Any manually added vouchers shall be classified as of type “P”.
3. User then places a check mark against the voucher lines, which are to be loaded into the wallet.
4. After selecting all the required vouchers, user clicks on the “Recharge Wallet” button. This will call the “Recharge WALLET” API.
5. Status of the load can be checked by doing Balance enquiry.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Boolean Field (User to select this manually) | Non-Editable | | | Only in Table, Not in Form | | |
| Add to Wallet | Voucher Number | Value | Expiry | VoucherGUID | Encrypted Voucher Number | Auto / Manual |
| Tick | AG1234XXXXXXX56 | 100 | 31-12-2021 |  |  | E |
| Tick | AG1234XXXXXXX57 | 100 | 31-12-2021 |  |  | E |
|  | AG1234XXXXXXX58 | 100 | 31-12-2021 |  |  | E |
| Tick | AG1234XXXXXXX59 | 100 | 31-12-2021 |  |  | E |
| Tick | MG1323132432452 |  |  |  |  | P |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | Add New Voucher |  | Recharge Wallet |  | Cancel |  |
|  |  |  |  |  |  |  |

Once the amount is available in Wallet, it can be used as a Tender.

1. As a tender
   1. GyFTR Wallet

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |
|  | Mobile No | |  | | |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  | Amount |  |  | | |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  | OTP |  |  | | |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  | Reference No | |  | | | |  |  |
|  |  |  |  |  |  |  |  |  |
|  | Generate OTP |  | Make Payment |  | Check Status |  | Cancel |  |
|  |  |  |  |  |  |  |  |  |

Payment / Redemption Process:

1. Mobile number should get populated basis the consumer selected / entered in previous screen at POS.
2. User should be able to update the mobile number
3. Amount by default should be the remaining amount. User can edit this amount.
4. Now user will enter the OTP code in POS screen and click on Make Payment.
5. Validate that mobile number is of 10 digits only.
6. On receipt of success as a response, the system should show a popup message – Payment Received Successfully. Rs. ###### (Amount).
7. If no balance is to be paid further, the invoice will get generated. If balance is to be paid, the control will get moved to the parent screen where alternate tender can be selected.
8. In case of any network error / response not received, user can fetch the status by using “Check Status” and display the same on the screen. If response is successful, the transaction should get processed.

Note:

1. GyFTR can be used multiple times in an invoice.
2. All integration requests need to be logged for audit / integration understanding purposes.
3. ERefNo – Integer and Unique for every call
4. POrderID – Transaction ID (Partner Order ID)
5. Source in Load Wallet will always be = “P” (POS)
6. VOUCHERTYPE (In Recharge Wallet)
   1. E is for encrypted (received as a response of Load API)
   2. P is manually entered / non-encrypted / Plain
7. In any transaction if GyFTR is used, the Retail Transaction Table field <RetailTransactionTable.ACX\_WEBORDERREFER> needs to be set to “GyFTR”
8. TXNID returned in confirmation of Redemption, to be stores in (RetailTransactionPaymentTrans).paymentAuthorization
9. Time Out of API: 120 Seconds

# **Expected Reports**

1. DSSR Tender Report (RDC level) to have the additional tender defined as GyFTR
2. POS Invoice print – to allow for multiple tender entries of GyFTR along with reference number of the payment

# **Annexure A: UAT server details**

Details of Testing /staging server.

This is postman collections. You can import via this URL.

[https://www.getpostman.com/collections/9a844e4ea0b8a73310c9](https://apc01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.getpostman.com%2Fcollections%2F9a844e4ea0b8a73310c9&data=04%7C01%7Caditya.upadhyay%40wildcraft.com%7C22884abbf1354ca33cb908d98eef4c07%7C3a9bf359689b492abf7b5e4f2f16d96c%7C0%7C0%7C637697980723393742%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=MSNPwf2rdQiLsRnBod1YJF%2ByraMnthvTpvMDtrHETkg%3D&reserved=0)

The below are details.

UserID  :           testuser

password:       admin@@@

key     :          test123456789keytest123456789key

iv      :          1234567890123456

# **Fields and other details**

Following fields to be created in:

1. Retail Parameters

|  |
| --- |
| GyFTR Get Balance API |
| GyFTR Generate OTP API |
| GyFTR Load WALLET API |
| GyFTR Recharge WALLET API |
| GyFTR Wallet REDEMPTION API |
| GyFTR Getwallet Txn Status API |
| GyFTR User ID |
| GyFTR Password |
| GyFTR MID |
| GyFTR Key |
| GyFTR IV Parameter |