Castler™

Global Escrow Solutions

Technical Document

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ABOUT

1.1 Objectives and Target Audience

This guide is designed to provide detailed information on Cross Border Escrow Solution code architecture and design of the complete application. The guide covers all the modules presently built inside Global Escrow Solutions Server (Java) and their purpose.

This guide is intended for developers and technical, product team members of Castler presently working on the Cross Border Escrow project.

INTRODUCTION

The Cross Border Escrow Solution is a secure web application where customers are given protected access to their own Escrow Accounting suite. Admin or Super-admin can create Virtual Escrow Accounts for merchants that merchants can collect Money in these Accounts, Add Payees, conduct authorized Payout Transfers.

Cross Border Escrow solution (or Global Escrow Solutions) is a unique offering by Castler which protects businesses, that are involved in Cross Border trade, from cross-border payment fraud.

Castler onboards business after verifying as per international compliance requirements Castler allows businesses to create local and Swift accounts in multiple currencies. Businesses can collect funds in multiple currencies. Businesses have the option to add beneficiaries and transfer funds to these beneficiaries.

Currencies Currently, Collection Account in the following currencies is available

1. USD - United States Dollar
2. GBP - Greater Britain Pound
3. EUR - EURO
4. SGD – Singapore Dollar

2.1 Prerequisites

This document is intended for technical members belonging/affiliated to Castler. The reader should have basic technical understanding of Java, Spring Boot, Maven, MYSQL and related technologies.

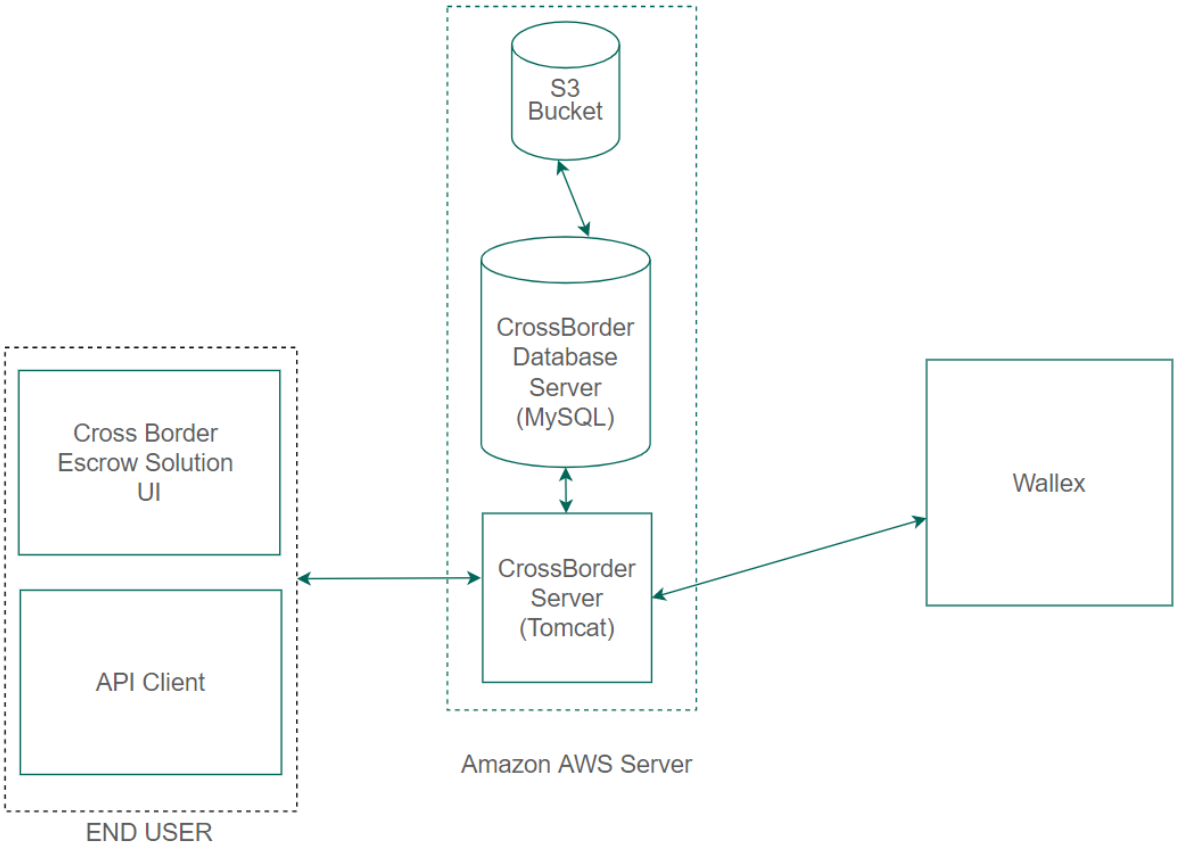
The document provides an overview of the present technical architecture, various modules built and their purpose.

2.2 Contact Us

For any queries regarding this document please mail to info@castler.com

2.3 Castler Global Escrow Solution Network Architecture

The following diagram explains the present network architecture and setup of different Servers, EC2 instances and other **AWS services** being used by Castler and the communication flow.



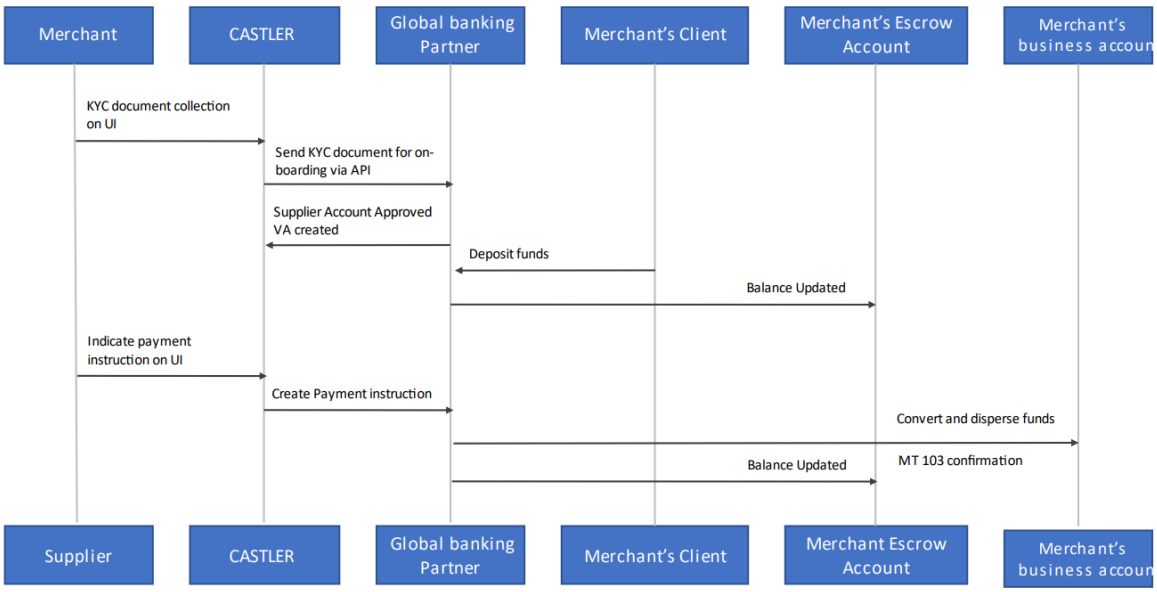
2.4 Castler Global Escrow Solutions in a Glance

The Cross Border Escrow Solution (or Global Escrow Solutions) Portal allows to create Merchant (Company/Individual Business Owners having Escrow requirements) profile by Admin or Super-Admin users.

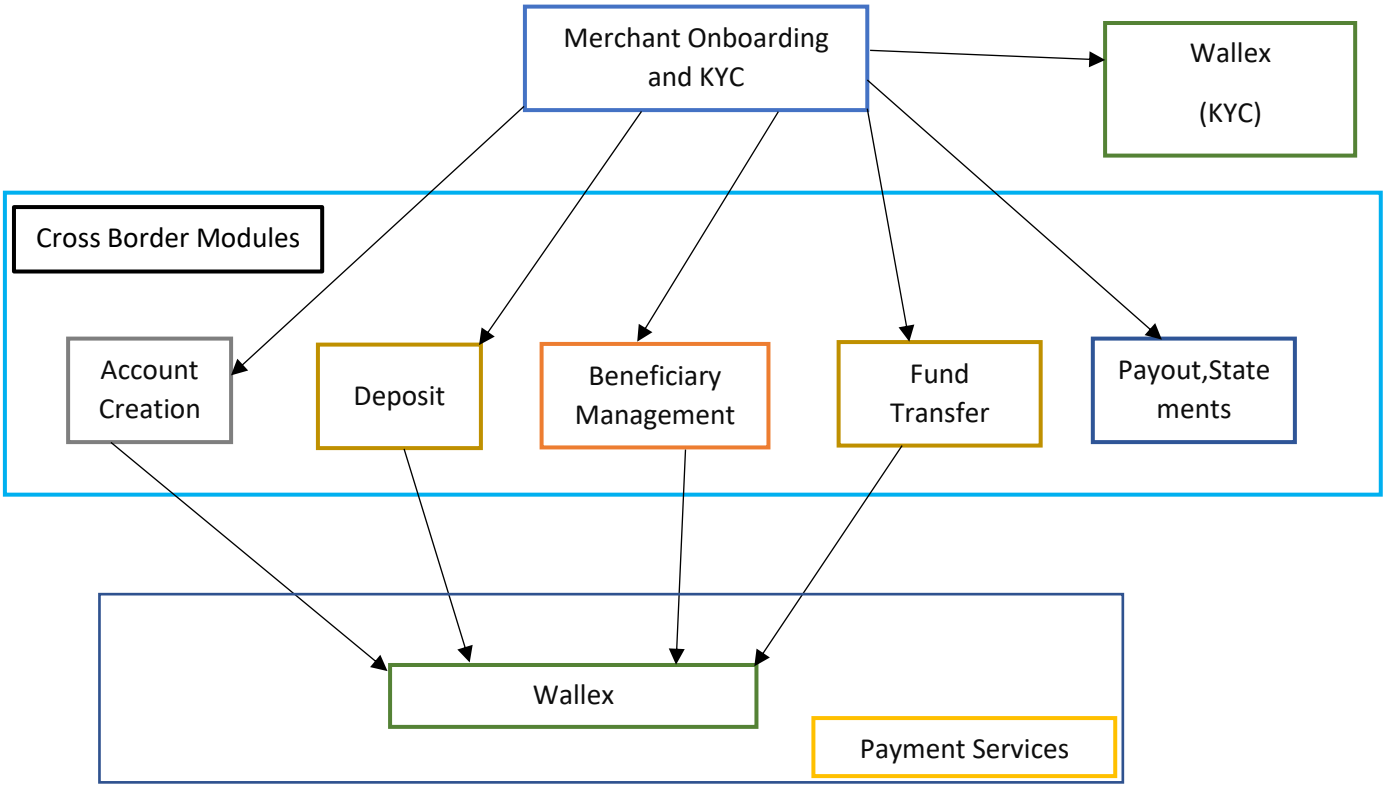
Merchants, after onboarding and KYC, Super-admin and admin can create Virtual Accounts (these can be used for live money collection), add Payees(beneficiaries), create Transfers (payouts) and many more operations.

Merchants can add Payees and then create Virtual Accounts from the Bank/s that they have been allotted during onboarding. Once Account is created, money collection, outward transfers, Escrow Pages features can be accessed.

User Journey



The following diagram explains the important modules and functionalities provided and how they are all working together.



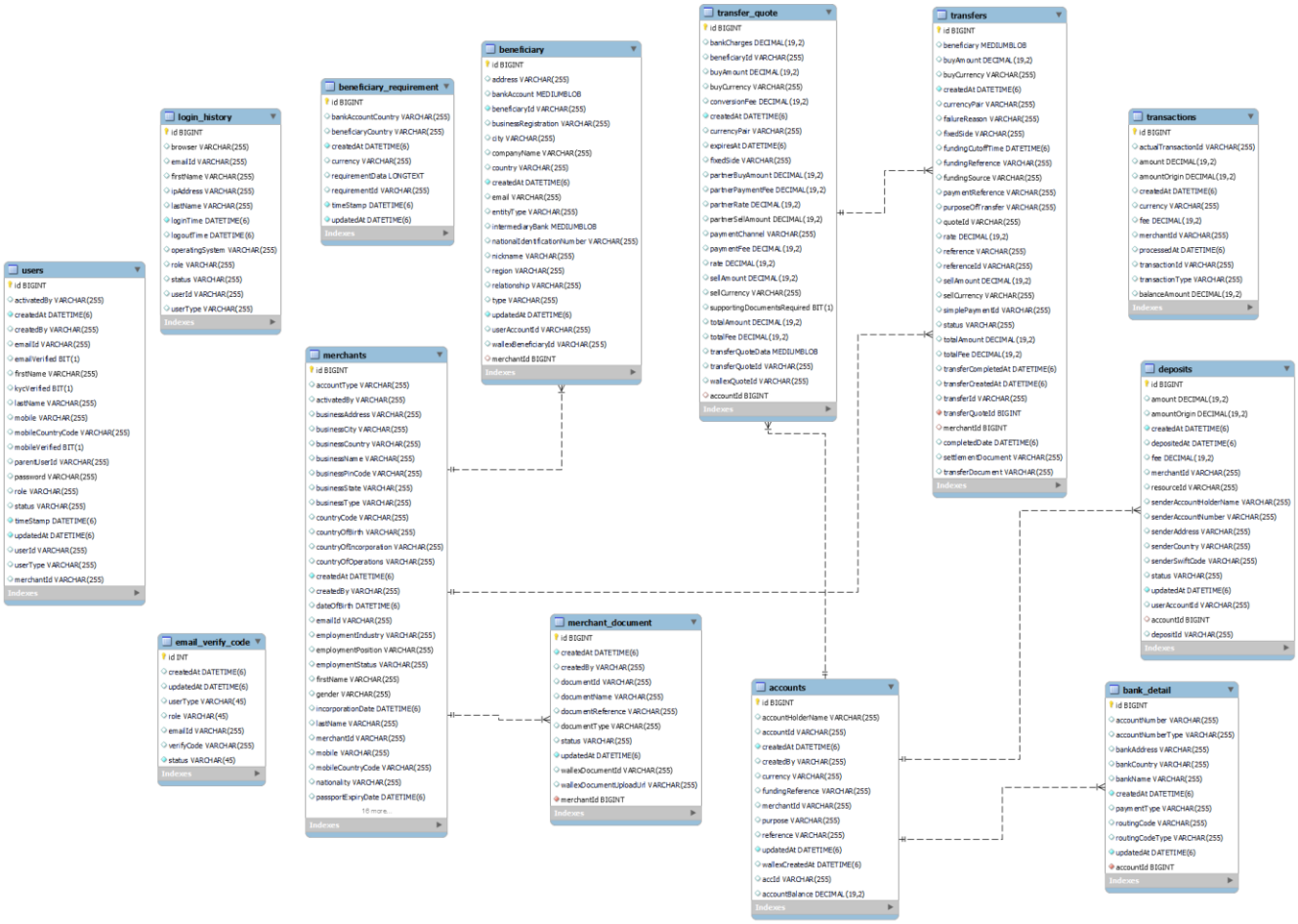
2.5 Castler Global Escrow Solution DB Schema (MYSQL)

The following diagram explains the entire DB schema of main Castler Cross Border Server, the different tables being used in MYSQL and their relationships.

The list of tables and their fields is provided in the end in Database Tables section.

Sr. No	Table Name	Description
1	accounts	To save virtual account or collection account details ndividual merchant
2	bank_detail	To save payee bank details
3	beneficiary	To save payee details
4	beneficiary_requirement	To save payee required field details
5	deposits	To save depositor details
6	email_verify_code	To save hash key related details for change or forget sword
7	transactions	To save merchants' transaction details
8	transfer_quote	To save transfer validate details of first step of nsfer process
9	transfers	To save transfer response of second step of transfer cess
10	users	When approved the merchant then save to user ated details
11	merchants	To save merchant related details
12	merchant_document	To save merchant documents details of individual rchant
13	login_history	To save merchant or user login activities
14	transfers_approvals	To save detail for transfer approvals
15	api_credential	To save api credentials

Tables with their relationship



2.6 Castler Public APIs, Full APIs and Models Reference

2.6.1 Full APIs

Castler's list of Full APIs being used are auto generated through Swagger and can be found in the link below:

UAT :

https://crossborder-api.ncome.in/swagger-ui/4.1.3/index.html#/

2.6.2 Models

The list of all API based models and their fields can be found in the bottom section of the same page.

UAT :

https://crossborder-api.ncome.in/swagger-ui/4.1.3/index.html#/merchant-controller/getMerchants

Authentication and Authorization

Castler Global Escrow Solution users can use the application through the web UI or directly consume APIs. Both methods have their own respective authentication mechanisms setup in place.

3.1 UI Authentication

For CrossBorder Web UI users, Token based authenticate has been setup. Users must go to the login link and enter their username, password. Password is auto generated when users have been onboarded, on their Merchant profile activation in admin.

Login API

Method: POST
Endpoint: /api/v1/auth/signin
Request Payload: JSON Type


```
{
  "emailId": "test@castler.com",
  "password": "Test@123"
}
```


Response:

Response HTTP Code:
Success 200 OK
Response body:


```
{
  "result": {
    "firstName": "Dinesh",
    "lastName": "Kumar",
    "emailId": "dinesh@castler.com",
    "merchantId": null,
    "mobile": "8527649338",
    "status": "Active",
    "mobileVerified": false,
    "emailVerified": false,
    "kycVerified": false,
    "userType": "ADMIN",
    "userRole": "ADMIN",
    "token":
"eyJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJkaW5lc2hAY2FzdGxlci5jb20iLCJleHAiOjE2NTMzMTgyODEs
ImlhdCI6MTY1MzI4MjI4MX0.fHaOHZRKABoVfrN1GD5LGlVAIcivbIe7QS7da7ViSF0"
  },
  "errorMessage": null
}
```


The above token will be utilized for the rest of the session for authorization of calls.

3.2 API Authentication

For API users, the API Bearer Auth token needs to be generated using the API credentials. This token needs to be maintained and used with subsequent API requests.

Generate Token

Method: POST
Endpoint: /api/v1/api-credential/generate-token
Request Payload: JSON Type


```
{
  "apiKey": "TVIxMDAyMDExMTQ4NDc1Mw==",
  "apiSecret": "TVIxMDAyMDExMTQ4NDcxIE1hciAyMDIyIDA2OjE4OjQ3IEdNVGJodW1pa2FAY2FzdGxlci5jb20="
}
```


Response:

Response HTTP Code:
Success 200 OK
Response body:


```
{
  "result": "eyJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJUVkl4TURBeU1ERXhNVFE0TkRjeElFMWhjaUF5TURJeUlEQTJPakU0T2pRM0lFZE5WR0pvZFcxcGEyRkFZMkZ6ZEd4bGNpNWpiMjA9IiwiZXhwIjoxNjUzMzIxMTM2LCJpYXQiOjE2NTMyODUxMzZ9.bJ9KhyqtJGlWo5WfmzI18C4alPVvU5y-_6x1IkbPO6c",
  "errorMessage": null
}
```

MERCHANT

4.1 Create merchant
When creating merchant below api use in this manner.

4.1.1 Merchant Signup
Method: POST
Endpoint: /api/v1/merchant/signup
Request Payload: JSON Type


```
{
  "emailId": "vks@castler.com",
  "firstName": "Vineet",
  "lastName": "Singh",
  "mobileCountryCode": "91",
  "mobile": "8527648338",
  "accountType": "OWNER",
  "businessName": "ShowTea"
}
```


Response:
Response HTTP Code:
Success 200 OK
Response body:


```
{
  "result": {
    "merchantId": "MR100223124035",
    "businessName": "ShowTea",
    "firstName": "Vineet",
    "lastName": "Singh",
    "emailId": "vks@castler.com",
    "mobileNo": "8527648338",
    "countryCode": null
  },
  "errorMessage": null
}
```


4.1.2 Merchant Personal details
Method: PATCH
Endpoint: /api/v1/merchant/personal-details
Request Payload: JSON Type


```
{
  "emailId": "vks@castler.com",
  "gender": "MALE",
  "dateOfBirth": "2022-05-13",
  "countryOfBirth": "IN",
  "nationality": "IN",
  "residentialAddress": "Saket",
```

```
 "residentialCountry": "India",
 "residentialState": "Delhi",
 "residentialCity": "New Delhi",
 "residentialPinCode": "110062",
 "passportNumber": "98981221UH",
 "passportIssueDate": "2022-05-11",
 "passportExpiryDate": "2022-09-14",
 "employmentIndustry": "Testempl",
 "employmentStatus": "empStatus",
 "employmentPosition": "CEO"
}
```


Response:

Response HTTP Code:

Success 200 OK

Response body:


```
{
 "result": {
  "emailId": "vks@castler.com"
 },
 "errorMessage": null
}
```


4.1.3 Merchant Business details

Method: PATCH

Endpoint: /api/v1/merchant/business-details

Request Payload: JSON Type


```
{
 "emailId": "vks@castler.com",
 "countryOfIncorporation": "IN",
 "countryOfOperations": "IN",
 "businessType": "IT",
 "businessAddress": "GK",
 "businessCountry": "IN",
 "businessState": "Delhi",
 "businessCity": "Delhi",
 "businessPinCode": "110062",
 "registrationNumber": "122222",
 "incorporationDate": "2022-05-02T04:47:38.096Z"
}
```


Response:

Response HTTP Code:

Success 200 OK

Response body:

```
{
  "result": {
    "emailId": "vks@castler.com"
  },
  "errorMessage": null
}
```

4.1.4 Merchant Upload Document

Method: POST
Endpoint: /api/v1/merchant/upload-file
Query Param:

merchantId:	MR101222065641
documentType:	PASSPORT
documentReference:	Document Name

Request Body: multipart/form-data

File:	string <binary>

Response:

Response HTTP Code:
Success 200 OK
Response body:

```
{
  "fileName": "string",
  "fileDownloadUri": "string",
  "size": "int",
  "fileType": "string"
}
```

4.1.5 Merchant Activation

Method: POST
Endpoint: /api/v1/merchant/activation
Request Body:

```
{
  "merchantId": "MR101222065641"
}
```

Response:

Response HTTP Code:
Success 200 OK
Response body:

```
{
  "result": {
    "Message": "Merchant has been activated."
  },
  "errorMessage": null
}
```

4.2 Merchant Details by Id

Method: GET

Endpoint: /api/v1/merchant/{merchantId}

Path Param:

merchantId: MR101222065641

Response:

Response HTTP Code:

Success 200 OK

Response body:


```
{
   "merchantId": "MR108223074959",
   "businessName": "SD gift",
   "firstName": "Jai",
   "lastName": "Sharma",
   "emailId": "jai@gmail.com",
   "countryCode": "IN",
   "mobileCountryCode": "91",
   "mobile": "8527649338",
   "accountType": "company",
   "gender": "male",
   "dateOfBirth": "11 Nov 1994 00:00:00 GMT",
   "countryOfBirth": "IN",
   "nationality": "IN",
   "residentialAddress": "gk",
   "residentialCountry": "IN",
   "residentialState": "Delhi",
   "residentialCity": "Delhi",
   "residentialPinCode": "110061",
   "passportNumber": "98938393",
   "passportIssueDate": "11 Jan 2000 00:00:00 GMT",
   "passportExpiryDate": "11 Jan 2020 00:00:00 GMT",
   "employmentIndustry": "Information Technology",
   "employmentStatus": "Self-Employed",
   "employmentPosition": "Owner",
   "countryOfIncorporation": "IN",
   "countryOfOperations": "IN",
   "businessType": "Domestic Personnel Employment",
   "businessAddress": "saket",
   "businessCountry": "IN",
   "businessState": "Delhi",
   "businessCity": "Delhi",
   "businessPinCode": "110062",
   "registrationNumber": "idodidodoi",
   "incorporationDate": "12 Jan 2000 00:00:00 GMT",
   "status": "pending_approval",
   "createdAt": "23 May 2022 07:49:59 GMT",
```

```
  "merchantDocument": [
    {
      "documentType": "PASSPORT",
      "documentReference": "himanshuTest_passport",
      "documentName": "1131120523075309.pdf"
    },
    {
      "documentType": "COMPANY_PROOF",
      "documentReference": "himanshuTest_cmp_proof",
      "documentName": "1111120523075253.pdf"
    }
  ],
  "wallexStatus": null
}
```


4.3 Merchant List

Method: GET
Endpoint: /api/v1/merchant
Path Param:
merchantId: MR101222065641

Response:

Response HTTP Code:
Success 200 OK
Response body:


```
[
 {
  "merchantId": "MR108223074959",
  "businessName": "SD gift",
  "firstName": "Jai",
  "lastName": "Sharma",
  "emailId": "jai@gmail.com",
  "countryCode": "IN",
  "mobileCountryCode": "91",
  "mobile": "8527649338",
  "accountType": "company",
  "gender": "male",
  "dateOfBirth": "11 Nov 1994 00:00:00 GMT",
  "countryOfBirth": "IN",
  "nationality": "IN",
  "residentialAddress": "gk",
  "residentialCountry": "IN",
  "residentialState": "Delhi",
  "residentialCity": "Delhi",
  "residentialPinCode": "110061",
  "passportNumber": "98938393",
  "passportIssueDate": "11 Jan 2000 00:00:00 GMT",
  "passportExpiryDate": "11 Jan 2020 00:00:00 GMT",
```

```
  "employmentIndustry": "Information Technology",
  "employmentStatus": "Self-Employed",
  "employmentPosition": "Owner",
  "countryOfIncorporation": "IN",
  "countryOfOperations": "IN",
  "businessType": "Domestic Personnel Employment",
  "businessAddress": "saket",
  "businessCountry": "IN",
  "businessState": "Delhi",
  "businessCity": "Delhi",
  "businessPinCode": "110062",
  "registrationNumber": "idodidodoi",
  "incorporationDate": "12 Jan 2000 00:00:00 GMT",
  "status": "pending_approval",
  "createdAt": "23 May 2022 07:49:59 GMT",
  "merchantDocument": [
   {
    "documentType": "PASSPORT",
    "documentReference": "himanshuTest_passport",
    "documentName": "1131120523075309.pdf"
   },
   {
    "documentType": "COMPANY_PROOF",
    "documentReference": "himanshuTest_cmp_proof",
    "documentName": "1111120523075253.pdf"
   }
  ],
  "wallexStatus": null
 },
 {
  "merchantId": "MR146206044921",
  "businessName": "zknk",
  "firstName": "dcbk",
  "lastName": "sakbk",
  "emailId": "kdsbcksd@gmail.com",
  "countryCode": "IN",
  "mobileCountryCode": "91",
  "mobile": "8787654545",
  "accountType": "company",
  "gender": "male",
  "dateOfBirth": "3 May 2004 00:00:00 GMT",
  "countryOfBirth": "IN",
  "nationality": "IN",
  "residentialAddress": "316/274, 3rd Floor, Lane No.3 Saidullajab, Western Marg Garden of
Five Senses Road, Tehsil Mehrauli, Saket, New Delhi, Delhi 110030",
  "residentialCountry": "IN",
  "residentialState": "Delhi",
  "residentialCity": "South Delhi",
```

```
   "residentialPinCode": "110030",
   "passportNumber": "HG6565666777",
   "passportIssueDate": "9 Mar 2022 00:00:00 GMT",
   "passportExpiryDate": "9 Mar 2022 00:00:00 GMT",
   "employmentIndustry": "Information Technology",
   "employmentStatus": "Self-Employed",
   "employmentPosition": "Owner",
   "countryOfIncorporation": "IN",
   "countryOfOperations": "IN",
   "businessType": "Information Technology",
   "businessAddress": "316/274, 3rd Floor, Lane No.3 Saidullajab, Western Marg Garden of
Five Senses Road, Tehsil Mehrauli, Saket, New Delhi, Delhi 110030",
   "businessCountry": "IN",
   "businessState": "Delhi",
   "businessCity": "South Delhi",
   "businessPinCode": "110030",
   "registrationNumber": "KJH867876978",
   "incorporationDate": "6 May 2022 00:00:00 GMT",
   "status": "draft",
   "createdAt": "6 May 2022 04:49:21 GMT",
   "merchantDocument": [],
   "wallexStatus": null
  }
]
```


4.4 Merchant Remove Document

Method: DELETE
Endpoint: /api/v1/merchant/{merchantId}/delete-file/{documentName}
Path Param:
merchantId: MR101222065641
documentName: Document Name

Response:

Response HTTP Code:
Success 200 OK
Response body:


```
{
  "result": “{documentName} is successfully remove.”,
  "errorMessage": null
}
```


4.5 Merchant Search

Method: POST
Endpoint: /api/v1/merchant-search
Request Body: JSON Type


```
{
   "merchantId": "",
```

```
  "businessName": "",
  "firstName": "",
  "lastName": "",
  "status": "",
  "fromDate": "2022-03-01",
  "toDate": "2022-04-01",
  "emailId": "",
  "mobileNumber":""
}
```


Response:

Response HTTP Code:
Success 200 OK
Response body:


```
{
  "result": [
    {
      "merchantId": "MR126204050031",
      "businessName": "4th May TestCase(**((*)",
      "firstName": "jksankj9880)*)(*)(",
      "lastName": "cjaskj8778((",
      "emailId": "sjsndkcnj@gmail.com",
      "countryCode": "IN",
      "mobileCountryCode": "",
      "mobile": "8318523984",
      "accountType": "company",
      "gender": "male",
      "dateOfBirth": "4 May 2022 00:00:00 GMT",
      "countryOfBirth": "IN",
      "nationality": "IN",
      "residentialAddress": "13 western marg, saket, new delhi",
      "residentialCountry": "IN",
      "residentialState": "Delhi",
      "residentialCity": "South Delhi",
      "residentialPinCode": "110017",
      "passportNumber": "JK78654545",
      "passportIssueDate": "12 Feb 2019 00:00:00 GMT",
      "passportExpiryDate": "10 Oct 2025 00:00:00 GMT",
      "employmentIndustry": "Banking/Finance/Insurance",
      "employmentStatus": "Self-Employed",
      "employmentPosition": "Owner",
      "countryOfIncorporation": "FI",
      "countryOfOperations": "AU",
      "businessType": "Extra-Territorial Organizations",
      "businessAddress": "657, HHDJDJ, Finland",
```

```
        "businessCountry": "IN",
        "businessState": "Delhi",
        "businessCity": "South Delhi",
        "businessPinCode": "110017",
        "registrationNumber": "HDH876898",
        "incorporationDate": "3 May 2022 00:00:00 GMT",
        "status": "draft",
        "createdAt": "4 May 2022 05:00:31 GMT",
        "merchantDocument": [
          {
            "documentType": "COMPANY_ADDRESS_PROOF",
            "documentReference": "jhbjkn kbhb",
            "documentName": "1331120504094311.pdf"
          },
          {
            "documentType": "NATIONAL_IDENTITY",
            "documentReference": "kjjk knjkn",
            "documentName": "1311120504094248.pdf"
          }
        ],
        "wallexStatus": null
      }
    ],
    "errorMessage": null
}
```

COLLECTION ACCOUNT

To create collection account with currency and merchant.

5.1 Creation Collection Account

Method: POST
Endpoint: /api/v1/account
Request Payload: JSON Type

```
{
  "merchantId": "string",
  "currency": "string",
  "reference": "string"
}
```

Response:

Response HTTP Code:
Success 200 OK

Response body:


```
[
   {
      "id": 0,
      "merchantId": "MR101224080509",
      "merchantName": "Clarity",
      "accountId": "14942855-1d8b-46f7-942a-be26eb9d28b5",
      "accountHolderName": "Clarity",
      "currency": "SGD",
      "reference": "",
      "fundingReference": "",
      "purpose": "intermediary",
      "accountBalance": "0.00",
      "createdAt": "1 Mar 2022 03:51:54 GMT",
      "bankDetail": [
         {
            "account": null,
            "accountNumber": "8850633276162",
            "accountNumberType": "account_number",
            "bankName": "DBS BANK LIMITED",
            "bankAddress": "12 Marina Boulevard, Marina Bay Financial Centre Tower 3, Singa
pore 018982",
            "bankCountry": "SG",
            "paymentType": "local",
            "routingCode": "",
            "routingCodeType": "",
            "createdAt": 1646106714497,
            "updatedAt": 1646106714497
         },
         {
            "account": null,
```

```
            "accountNumber": "8850633276162",
            "accountNumberType": "account_number",
            "bankName": "DBS BANK LIMITED",
            "bankAddress": "12 Marina Boulevard, Marina Bay Financial Centre Tower 3, Singa
pore 018982",
            "bankCountry": "SG",
            "paymentType": "swift",
            "routingCode": "DBSSSGSG",
            "routingCodeType": "bic_swift",
            "createdAt": 1646106714497,
            "updatedAt": 1646106714497
          }
        ]
      },
      {
        "id": 0,
        "merchantId": "MR101224080509",
        "merchantName": "Clarity",
        "accountId": "b4692d04-6ca8-40e6-bd74-b184aa3ef1b9",
        "accountHolderName": "Test GBP A/c",
        "currency": "EUR",
        "reference": "MR101224080509",
        "fundingReference": "101201091015",
        "purpose": "intermediary",
        "accountBalance": "0.00",
        "createdAt": "1 Mar 2022 03:40:19 GMT",
        "bankDetail": [
          {
            "account": null,
            "accountNumber": "GB01TCCL22580668868341",
            "accountNumberType": "iban",
            "bankName": "The Currency Cloud Limited",
            "bankAddress": "12 Steward Street, The Steward Building, London, E1 6FQ, GB",
            "bankCountry": "GB",
            "paymentType": "local",
            "routingCode": "TCCLGB31",
            "routingCodeType": "bic_swift",
            "createdAt": 1646106019275,
            "updatedAt": 1646106019275
          },
          {
            "account": null,
            "accountNumber": "GB77TCCL12345629468886",
            "accountNumberType": "iban",
            "bankName": "The Currency Cloud Limited",
            "bankAddress": "12 Steward Street, The Steward Building, London, E1 6FQ, GB",
            "bankCountry": "GB",
            "paymentType": "swift",
```

```
        "routingCode": "TCCLGB3L",
        "routingCodeType": "bic_swift",
        "createdAt": 1646106019275,
        "updatedAt": 1646106019275
      }
    ]
  },
  {
    "id": 0,
    "merchantId": "MR101224080509",
    "merchantName": "Clarity",
    "accountId": "3c05480c-4b28-4787-b6f5-447e60716744",
    "accountHolderName": "Test GBP A/c",
    "currency": "USD",
    "reference": "MR101224080509",
    "fundingReference": "100201085459",
    "purpose": "intermediary",
    "accountBalance": "2000000.00",
    "createdAt": "1 Mar 2022 03:25:03 GMT",
    "bankDetail": [
      {
        "account": null,
        "accountNumber": "GB77TCCL12345629468886",
        "accountNumberType": "iban",
        "bankName": "The Currency Cloud Limited",
        "bankAddress": "12 Steward Street, The Steward Building, London, E1 6FQ, GB",
        "bankCountry": "GB",
        "paymentType": "swift",
        "routingCode": "TCCLGB3L",
        "routingCodeType": "bic_swift",
        "createdAt": 1646105103281,
        "updatedAt": 1646105103281
      },
      {
        "account": null,
        "accountNumber": "0337085665",
        "accountNumberType": "account_number",
        "bankName": "Community Federal Savings Bank",
        "bankAddress": "810 Seventh Avenue, New York, NY 10019, US",
        "bankCountry": "US",
        "paymentType": "local",
        "routingCode": "026073150",
        "routingCodeType": "ach_routing_number",
        "createdAt": 1646105103281,
        "updatedAt": 1646105103281
      },
      {
        "account": null,
```

```
        "accountNumber": "0337085665",
        "accountNumberType": "account_number",
        "bankName": "Community Federal Savings Bank",
        "bankAddress": "810 Seventh Avenue, New York, NY 10019, US",
        "bankCountry": "US",
        "paymentType": "local",
        "routingCode": "026073008",
        "routingCodeType": "wire_routing_number",
        "createdAt": 1646105103281,
        "updatedAt": 1646105103281
      }
    ]
},
{
    "id": 0,
    "merchantId": "MR101224080509",
    "merchantName": "Clarity",
    "accountId": "561b9499-adf9-4afb-b1cd-59bf85486464",
    "accountHolderName": "Test GBP A/c",
    "currency": "GBP",
    "reference": "MR101224080509",
    "fundingReference": "100201063002",
    "purpose": "intermediary",
    "accountBalance": "0.00",
    "createdAt": "1 Mar 2022 01:00:05 GMT",
    "bankDetail": [
      {
        "account": null,
        "accountNumber": "GB77TCCL12345629468886",
        "accountNumberType": "iban",
        "bankName": "The Currency Cloud Limited",
        "bankAddress": "12 Steward Street, The Steward Building, London, E1 6FQ, GB",
        "bankCountry": "GB",
        "paymentType": "swift",
        "routingCode": "TCCLGB3L",
        "routingCodeType": "bic_swift",
        "createdAt": 1646096405925,
        "updatedAt": 1646096405925
      },
      {
        "account": null,
        "accountNumber": "29468886",
        "accountNumberType": "account_number",
        "bankName": "The Currency Cloud Limited",
        "bankAddress": "12 Steward Street, The Steward Building, London, E1 6FQ, GB",
        "bankCountry": "GB",
        "paymentType": "local",
        "routingCode": "123456",
```

```
            "routingCodeType": "sort_code",
            "createdAt": 1646096405925,
            "updatedAt": 1646096405925
          }
        ]
      }
    ]
```


5.2 List of Collection Accounts

Method: GET
Endpoint: /api/v1/account
Query Params: (default values)
pageNo: 0
pageSize: 2

Response:
Response HTTP Code:
Success 200 OK
Response body:


```
[
 {
   "id": 0,
   "merchantId": "MR101224080509",
   "merchantName": "Clarity",
   "accountId": "14942855-1d8b-46f7-942a-be26eb9d28b5",
   "accountHolderName": "Clarity",
   "currency": "SGD",
   "reference": "",
   "fundingReference": "",
   "purpose": "intermediary",
   "accountBalance": "0.00",
   "createdAt": "1 Mar 2022 03:51:54 GMT",
   "bankDetail": [
    {
     "account": null,
     "accountNumber": "8850633276162",
     "accountNumberType": "account_number",
     "bankName": "DBS BANK LIMITED",
     "bankAddress": "12 Marina Boulevard, Marina Bay Financial Centre Tower 3, Singapore
018982",
     "bankCountry": "SG",
     "paymentType": "swift",
     "routingCode": "DBSSSGSG",
     "routingCodeType": "bic_swift",
     "createdAt": 1646106714497,
     "updatedAt": 1646106714497
    },
```

```
        {
          "account": null,
          "accountNumber": "8850633276162",
          "accountNumberType": "account_number",
          "bankName": "DBS BANK LIMITED",
          "bankAddress": "12 Marina Boulevard, Marina Bay Financial Centre Tower 3, Singapore
018982",
          "bankCountry": "SG",
          "paymentType": "local",
          "routingCode": "",
          "routingCodeType": "",
          "createdAt": 1646106714497,
          "updatedAt": 1646106714497
        }
       ]
      },
      {
       "id": 0,
       "merchantId": "MR101224080509",
       "merchantName": "Clarity",
       "accountId": "b4692d04-6ca8-40e6-bd74-b184aa3ef1b9",
       "accountHolderName": "Test GBP A/c",
       "currency": "EUR",
       "reference": "MR101224080509",
       "fundingReference": "101201091015",
       "purpose": "intermediary",
       "accountBalance": "0.00",
       "createdAt": "1 Mar 2022 03:40:19 GMT",
       "bankDetail": [
        {
         "account": null,
         "accountNumber": "GB01TCCL22580668868341",
         "accountNumberType": "iban",
         "bankName": "The Currency Cloud Limited",
         "bankAddress": "12 Steward Street, The Steward Building, London, E1 6FQ, GB",
         "bankCountry": "GB",
         "paymentType": "local",
         "routingCode": "TCCLGB31",
         "routingCodeType": "bic_swift",
         "createdAt": 1646106019275,
         "updatedAt": 1646106019275
        },
        {
         "account": null,
         "accountNumber": "GB77TCCL12345629468886",
         "accountNumberType": "iban",
         "bankName": "The Currency Cloud Limited",
         "bankAddress": "12 Steward Street, The Steward Building, London, E1 6FQ, GB",
```

```
      "bankCountry": "GB",
      "paymentType": "swift",
      "routingCode": "TCCLGB3L",
      "routingCodeType": "bic_swift",
      "createdAt": 1646106019275,
      "updatedAt": 1646106019275
    }
   ]
  }
]
```


5.3 Collection Account by Collection Account ID

Method: GET
Endpoint: /api/v1/account/{{accountId}}

Response:

Response HTTP Code:
Success 200 OK
Response body:


```
{
 "id": 0,
 "merchantId": "MR101222065641",
 "merchantName": "Ncome Tech Solutions Private Limited",
 "accountId": "97d83525-73ce-42c5-84ed-dd9d6e4c0aec",
 "accountHolderName": "Account1",
 "currency": "AUD",
 "reference": "MR101222065641",
 "fundingReference": "101223083639",
 "purpose": "collection",
 "accountBalance": "0.00",
 "createdAt": "23 Feb 2022 03:06:41 GMT",
 "bankDetail": [
  {
   "account": null,
   "accountNumber": "GB29TCCL12345686911598",
   "accountNumberType": "iban",
   "bankName": "The Currency Cloud Limited",
   "bankAddress": "12 Steward Street, The Steward Building, London, E1 6FQ, GB",
   "bankCountry": "GB",
   "paymentType": "swift",
   "routingCode": "TCCLGB3L",
   "routingCodeType": "bic_swift",
   "createdAt": 1645585601961,
   "updatedAt": 1645585601961
  }
 ]
}
```

5.4 Collection Account by MerchantID and Currency

Method: GET
Endpoint: /api/v1/account/merchant
Query Param:
merchantId: MR101222065641
currency: AUD

Response:
Response HTTP Code:
Success 200 OK
Response body:


```
{
  "result": [
    {
      "id": 0,
      "merchantId": "MR101222065641",
      "merchantName": null,
      "accountId": "97d83525-73ce-42c5-84ed-dd9d6e4c0aec",
      "accountHolderName": "Account1",
      "currency": "AUD",
      "reference": "MR101222065641",
      "fundingReference": "101223083639",
      "purpose": "collection",
      "accountBalance": "0.00",
      "createdAt": "23 Feb 2022 03:06:41 GMT",
      "bankDetail": [
        {
          "account": null,
          "accountNumber": "GB29TCCL12345686911598",
          "accountNumberType": "iban",
          "bankName": "The Currency Cloud Limited",
          "bankAddress": "12 Steward Street, The Steward Building, London, E1 6FQ,
GB",
          "bankCountry": "GB",
          "paymentType": "swift",
          "routingCode": "TCCLGB3L",
          "routingCodeType": "bic_swift",
          "createdAt": 1645585601961,
          "updatedAt": 1645585601961
        }
      ]
    }
  ],
  "errorMessage": null
}
```

5.5 Collection Accounts Search

Method: GET
Endpoint: /api/v1/account-search
Request Payload: JSON Type


```
{
   "merchantName": "",
   "accountRefName": "",
   "status": "",
   "accountNo": "",
   "currency": "GBP",
   "fromDate": "",
   "toDate": ""
}
```


Response:

Response HTTP Code:
Success 200 OK
Response body:


```
{
  "result": [
    {
      "id": 0,
      "merchantId": "MR100223113553",
      "merchantName": "Tauseef Ahmad Real",
      "accountId": "a8649045-e080-43c2-bf1f-ac062dafbaec",
      "accountHolderName": "Castler",
      "currency": "GBP",
      "reference": "MR100223113553",
      "fundingReference": "107224064249",
      "purpose": "collection",
      "accountBalance": "0.00",
      "createdAt": "24 Feb 2022 06:42:53 GMT",
      "bankDetail": [
        {
          "account": null,
          "accountNumber": "GB47TCCL12345668478655",
          "accountNumberType": "iban",
          "bankName": "The Currency Cloud Limited",
          "bankAddress": "12 Steward Street, The Steward Building, London, E1 6FQ, GB",
          "bankCountry": "GB",
          "paymentType": "swift",
          "routingCode": "TCCLGB3L",
          "routingCodeType": "bic_swift",
          "createdAt": 1645684973291,
          "updatedAt": 1645684973291
        },
        {
```

```
        "account": null,
        "accountNumber": "68478655",
        "accountNumberType": "account_number",
        "bankName": "The Currency Cloud Limited",
        "bankAddress": "12 Steward Street, The Steward Building, London, E1 6FQ, GB",
        "bankCountry": "GB",
        "paymentType": "local",
        "routingCode": "123456",
        "routingCodeType": "sort_code",
        "createdAt": 1645684973291,
        "updatedAt": 1645684973291
      }
    ]
  },
  {
    "id": 0,
    "merchantId": "MR101224080509",
    "merchantName": "Clarity",
    "accountId": "561b9499-adf9-4afb-b1cd-59bf85486464",
    "accountHolderName": "Test GBP A/c",
    "currency": "GBP",
    "reference": "MR101224080509",
    "fundingReference": "100201063002",
    "purpose": "intermediary",
    "accountBalance": "0.00",
    "createdAt": "1 Mar 2022 06:30:05 GMT",
    "bankDetail": [
      {
        "account": null,
        "accountNumber": "GB77TCCL12345629468886",
        "accountNumberType": "iban",
        "bankName": "The Currency Cloud Limited",
        "bankAddress": "12 Steward Street, The Steward Building, London, E1 6FQ, GB",
        "bankCountry": "GB",
        "paymentType": "swift",
        "routingCode": "TCCLGB3L",
        "routingCodeType": "bic_swift",
        "createdAt": 1646116205925,
        "updatedAt": 1646116205925
      },
      {
        "account": null,
        "accountNumber": "29468886",
        "accountNumberType": "account_number",
        "bankName": "The Currency Cloud Limited",
        "bankAddress": "12 Steward Street, The Steward Building, London, E1 6FQ, GB",
        "bankCountry": "GB",
        "paymentType": "local",
```

```
            "routingCode": "123456",
            "routingCodeType": "sort_code",
            "createdAt": 1646116205925,
            "updatedAt": 1646116205925
          }
        ]
      }
] ,
  "errorMessage": null
}
```

DEPOSIT

6.1 List of Deposits

Method: GET
Endpoint: /api/v1/deposit
Query Params: (default values)
pageNo: 0
pageSize: 2

Response:
Response HTTP Code:
Success 200 OK
Response body:


```
[
  {
    "depositId": "DP106222063140",
    "merchantId": "MR108210105014",
    "merchantName": "Smile Foundation",
    "currency": "SGD",
    "amount": 250000.00,
    "amountOrigin": null,
    "fee": 0.00,
    "status": "completed",
    "senderAccountHolderName": "LeBron James",
    "senderAddress": "",
    "senderAccountNumber": "87654322324",
    "senderCountry": "",
    "senderSwiftCode": "",
    "depositedAt": 1647930697000,
    "createdAt": 1647930700430
  },
  {
    "depositId": "DP104222063113",
    "merchantId": "MR108210105014",
    "merchantName": "Smile Foundation",
    "currency": "SGD",
    "amount": 200000.00,
    "amountOrigin": null,
    "fee": 0.00,
    "status": "completed",
    "senderAccountHolderName": "Jason Kapono",
    "senderAddress": "",
    "senderAccountNumber": "87654322324",
    "senderCountry": "",
```

```
            "senderSwiftCode": "",
            "depositedAt": 1647930671000,
            "createdAt": 1647930673897
        }
    ]
```


6.2 Deposit Details By Id

Method: GET
Endpoint: /api/v1/deposit/{depositId}

Response:

Response HTTP Code:
Success 200 OK
Response body:


```
{
  "result": {
    "depositId": "DP124215014020",
    "merchantId": "MR100201114847",
    "merchantName": "Little B Foundation",
    "currency": "SGD",
    "amount": 5000000.00,
    "amountOrigin": null,
    "fee": 0.00,
    "status": "completed",
    "senderAccountHolderName": "Julio Sabandar",
    "senderAddress": "",
    "senderAccountNumber": "9876543221",
    "senderCountry": "",
    "senderSwiftCode": "",
    "depositedAt": 1646878246000,
    "createdAt": 1647288620758
  },
  "errorMessage": null
}
```


6.3 Deposit Search

Method: GET
Endpoint: /api/v1/deposit-search
Request Payload: JSON Type


```
{
  "referenceId": "",
  "merchantName": "",
  "status": "",
  "senderName": "",
  "currency": "GBP",
  "fromDate": "",
```

```
   "toDate": ""
}
```


Response:

Response HTTP Code:

Success 200 OK

Response body:


```
{
  "result": [
    {
      "depositId": "DP114215013844",
      "merchantId": "MR100201114847",
      "merchantName": "Little B Foundation",
      "currency": "GBP",
      "amount": 5000000,
      "amountOrigin": null,
      "fee": 0,
      "status": "completed",
      "senderAccountHolderName": "Julio Sabandar",
      "senderAddress": "GB, 56 Shoreditch High Street, London, E1 6JJ",
      "senderAccountNumber": "EE297700771000701243",
      "senderCountry": "EE",
      "senderSwiftCode": "LHVBEE22XXX",
      "depositedAt": 1646391112000,
      "createdAt": 1647308324189
    },
    {
      "depositId": "DP116215013859",
      "merchantId": "MR100201114847",
      "merchantName": "Little B Foundation",
      "currency": "GBP",
      "amount": 2000000,
      "amountOrigin": null,
      "fee": 0,
      "status": "completed",
      "senderAccountHolderName": "Julio Sabandar",
      "senderAddress": "GB, 56 Shoreditch High Street, London, E1 6JJ",
      "senderAccountNumber": "EE297700771000701243",
      "senderCountry": "EE",
      "senderSwiftCode": "LHVBEE22XXX",
      "depositedAt": 1646391134000,
      "createdAt": 1647308339877
    }
  ],
  "errorMessage": null
}
```

BENEFICIARY

7.1 Create Beneficiary

7.1.1 Beneficiary Requirement

Method: POST
Endpoint: /api/v1/beneficiary/requirement
Request Payload: JSON Type


```
{
   "currency": "USD",
   "bankAccountCountry": "UD",
   "beneficiaryCountry": "UD",
   "beneficiaryType":"individual"
}
```


Response:

Response HTTP Code:
Success 200 OK
Response body:


```
{
   "result": {
      "requirementId": "BR101223154015",
      "merchantId": true,
      "country": true,
      "city": true,
      "address": true,
      "postcode": null,
      "stateOrProvince": null,
      "firstName": true,
      "lastName": true,
      "companyName": null,
      "businessRegistration": null,
      "nationalIdentificationNumber": null,
      "identificationType": null,
      "identificationNumber": null,
      "region": true,
      "relationship": null,
      "beneficiaryRequirementBankAccountVO": null,
      "bankAccount": {
         "country": null,
         "currency": null,
         "bankName": null,
         "bankAccountHolderName": null,
         "accountNumber": true,
```

```
        "address": null,
        "bicSwift": true,
        "iban": null,
        "cnaps": null,
        "clabe": null,
        "aba": null,
        "sortCode": null,
        "bsbCode": null,
        "bankCode": null,
        "branchName": null,
        "branchCode": null,
        "institutionNo": null,
        "ifscCode": null,
        "routingCode": null
      },
      "entityType": true
   },
   "errorMessage": null
}
```


7.1.2 Beneficiary Create

Method: POST
Endpoint: /api/v1/beneficiary
Request Payload: JSON Type

Response:

Response HTTP Code:
Success 200 OK
Response body:

7.2 List of Beneficiaries

Method: GET
Endpoint: /api/v1/beneficiary

Response:

Response HTTP Code:
Success 200 OK
Response body:


```
[
 {
   "beneficiaryId": "BE104216100217",
   "nickname": "abhinav - kotak - 6413481382",
   "entityType": "company",
   "email": "",
```

```
  "companyName": "Castler corp",
  "address": "Saket",
  "city": "delhi",
  "region": "",
  "country": "IN",
  "businessRegistration": "",
  "nationalIdentificationNumber": "",
  "relationship": "",
  "type": "bank",
  "merchantId": "MR100201114847",
  "merchantName": "Little B Foundation",
  "bankAccount": {
   "country": "IN",
   "bankAccountHolderName": "abhinav",
   "bankName": "kotak",
   "currency": "GBP",
   "accountNumber": "6413481382",
   "bicSwift": "KKBKINBB"
  },
  "intermediaryBank": {}
 },
 {
  "beneficiaryId": "BE114215111043",
  "nickname": "Ncome Tech Solutions Pvt. Ltd. - Icici Bank Limited - 164705000322",
  "entityType": "company",
  "email": "",
  "companyName": "Ncome Tech Solutions Pvt. Ltd.",
  "address": "Saket J Block",
  "city": "New Delhi",
  "region": "",
  "country": "IN",
  "businessRegistration": "",
  "nationalIdentificationNumber": "",
  "relationship": "",
  "type": "bank",
  "merchantId": "MR100201114847",
  "merchantName": "Little B Foundation",
  "bankAccount": {
   "country": "IN",
   "bankAccountHolderName": "Ncome Tech Solutions Pvt. Ltd.",
   "bankName": "Icici Bank Limited",
   "currency": "USD",
   "accountNumber": "164705000322",
   "bicSwift": "ICICINBBNRI"
  },
  "intermediaryBank": {}
 }
]
```

7.3 Beneficiary Details By ID

Method: GET

Endpoint: /api/v1/beneficiary/{{beneficiary}}

Response:

Response HTTP Code:

Success 200 OK

Response body:


```
{
  "beneficiaryId": "BE104216100217",
  "nickname": "abhinav - kotak - 6413481382",
  "entityType": "company",
  "email": "",
  "companyName": "Castler corp",
  "address": "Saket",
  "city": "delhi",
  "region": "",
  "country": "IN",
  "businessRegistration": "",
  "nationalIdentificationNumber": "",
  "relationship": "",
  "type": "bank",
  "merchantId": "MR100201114847",
  "merchantName": "Little B Foundation",
  "bankAccount": {
    "country": "IN",
    "bankAccountHolderName": "abhinav",
    "bankName": "kotak",
    "currency": "GBP",
    "accountNumber": "6413481382",
    "bicSwift": "KKBKINBB"
  },
  "intermediaryBank": {}
}
```


7.4 Beneficiary Details By Merchant ID

Method: GET

Endpoint: /api/v1/beneficiary/merchant/{merchantId}

Response:

Response HTTP Code:

Success 200 OK

Response body:


```
{
  "result": [
    {
      "beneficiaryId": "BE104216100217",
      "nickname": "abhinav - kotak - 6413481382",
```

```
        "entityType": "company",
        "email": "",
        "companyName": "Castler corp",
        "address": "Saket",
        "city": "delhi",
        "region": "",
        "country": "IN",
        "businessRegistration": "",
        "nationalIdentificationNumber": "",
        "relationship": "",
        "type": "bank",
        "merchantId": "MR100201114847",
        "merchantName": "Little B Foundation",
        "bankAccount": {
          "country": "IN",
          "bankAccountHolderName": "abhinav",
          "bankName": "kotak",
          "currency": "GBP",
          "accountNumber": "6413481382",
          "bicSwift": "KKBKINBB"
        },
        "intermediaryBank": {}
      }
  ],
  "errorMessage": null
}
```


7.5 Beneficiary Search

Method: GET
Endpoint: /api/v1/beneficiary-search
Request Payload: JSON Type


```
{
  "merchantName": "Smile Foundation",
  "beneficiaryName": "",
  "bankName": "",
  "bankAccount": "000701",
  "currency": "",
  "country": "IN",
  "fromDate": "",
  "toDate": ""
}
```


Response:

Response HTTP Code:
Success 200 OK
Response body:


```
{
  "result": [
```

```
    {
      "beneficiaryId": "BE109222065016",
      "nickname": "abhinav - ICICI - 000701503852",
      "entityType": "company",
      "email": "",
      "companyName": "Castler Inc",
      "address": "Saket",
      "city": "delhi",
      "region": "",
      "country": "IN",
      "businessRegistration": "",
      "nationalIdentificationNumber": "",
      "relationship": "",
      "type": "bank",
      "merchantId": "MR108210105014",
      "merchantName": "Smile Foundation",
      "bankAccount": {
        "country": "IN",
        "bankAccountHolderName": "abhinav",
        "bankName": "ICICI",
        "currency": "USD",
        "accountNumber": "000701503852",
        "bicSwift": "KKBKINBB"
      },
      "intermediaryBank": {}
    }
  ],
  "errorMessage": null
}
```

TRANSFER

8.1 Create Transfer

8.1.1 Create Transfer

Method: GET
Endpoint: /api/v1/transfer
Request Payload: JSON Type


```
{
   "merchantId": "MR100201114847",
   "beneficiaryId": "BE114215111043",
   "sellCurrency": "USD",
   "buyCurrency": "USD",
   "amount": 10,
   "fundingSource": "fundingSource",
   "purposeOfTransfer": "test",
   "remarks": "testing",
   "transferDocument": [     {
         "documentName": "string",
         "file": "string"
      }   ]
}
```


Response:

Response HTTP Code:
Success 200 OK
Response body:


```
{
   "result": [
      {
         "approvalStatus": "ACTIVE",
         "tranferAppActivityStatus": "",
         "createdAt": 1653308535288,
         "transferId": "TF114223175213",
         "merchantId": "MR100201114847",
         "beneficiaryId": "BE114215111043",
         "transferApprovalId": "TP116223175215",
         "prioityApproval": 1,
         "approveByUser": "tauseef@castler.com",
         "userId": "UR100212100911",
         "currency": "USD",
         "businessName": "Little B Foundation",
         "beneficiaryName": "Ncome Tech Solutions Pvt. Ltd."
      }
   ],
```

```
  "errorMessage": null
}
```


8.1.2 Update Transfer Approval Status

Method: GET
Endpoint: /api/v1/transfer-approval/update
Request Payload: JSON Type


```
{
  "allStatus": "APPROVE",
  "transferApprovalIds": [
    "TP116223175215"
  ]
}
```


Response:

Response HTTP Code:
Success 200 OK
Response body:


```
{
  "result": "success transfer...",
  "errorMessage": null
}
```


8.1.3 Transfer Approval List

Method: GET
Endpoint: /api/v1/transfer-approval/{userId}

Response:

Response HTTP Code:
Success 200 OK
Response body:


```
{
  "result": [
    {
      "approvalStatus": "ACTIVE",
      "tranferAppActivityStatus": "",
      "createdAt": 1653308535288,
      "transferId": "TF114223175213",
      "merchantId": "MR100201114847",
      "beneficiaryId": "BE114215111043",
      "transferApprovalId": "TP116223175215",
      "prioityApproval": 1,
      "approveByUser": "tauseef@castler.com",
      "userId": "UR100212100911",
      "currency": "USD",
      "businessName": "Little B Foundation",
      "beneficiaryName": "Ncome Tech Solutions Pvt. Ltd."
    }
```

```
  ],
  "errorMessage": null
}
```


8.2 Transfer Details By ID

Method: GET
Endpoint: /api/v1/transfer/TF112212153800

Response:

Response HTTP Code:
Success 200 OK
Response body:


```
{
  "result": {
    "merchantId": "MR100201114847",
    "merchantName": "Little B Foundation",
    "transferId": "TF112212153800",
    "simplePaymentId": "cea14eab-8328-4b6f-9538-rtrt6363",
    "totalAmount": 172.00,
    "status": "completed",
    "buyAmount": 172.00,
    "buyCurrency": "GBP",
    "sellAmount": 121.00,
    "sellCurrency": "GBP",
    "currencyPair": "GBPGBP",
    "fixedSide": "sell",
    "rate": 11.00,
    "totalFee": 15.00,
    "transferCreatedAt": 1645581302000,
    "transferCompletedAt": null,
    "reference": "",
    "referenceId": "TF112212153800",
    "paymentReference": "test2",
    "failureReason": "",
    "fundingSource": "COMPANY_BANK_ACCOUNT",
    "purposeOfTransfer": "WX09",
    "beneficiary": {
      "bankAccount": {
        "country": "IN",
        "bankAccountHolderName": "NCOME Tech Solutions Private Limited",
        "bankName": "ICICI BANK LIMITED",
        "currency": "GBP",
        "accountNumber": "164705000322",
        "bicSwift": "ICICINBBCTS"
      },
      "country": "IN",
      "address": "d block saket ,New Delhi",
      "city": "New Delhi",
```

```
        "companyName": "NCOME Tech Solutions Private Limited",
        "nickname": "castler",
        "type": "bank",
        "email": "riteshtiwari1989@gmail.com",
        "beneficiaryId": "6151b7f6-4d7a-4e0f-892e-be9b765c2f00"
      },
      "fundingReference": "T7UZ4R",
      "fundingCutoffTime": 1645624502000,
      "settlementDocument": null,
      "createdAt": 1652350080596,
      "completedDate": null,
      "transferDocument": null
    },
    "errorMessage": null
}
```


8.3 List of Transfers

Method: GET
Endpoint: /api/v1/transfer?pageNo=0&pageSize=2
Query Params: (default values)
pageNo: 0
pageSize: 2

Response:

Response HTTP Code:
Success 200 OK
Response body:


```
[
  {
    "merchantId": "MR100201114847",
    "merchantName": "Little B Foundation",
    "transferId": "TF114223175213",
    "simplePaymentId": null,
    "totalAmount": null,
    "status": "PENDING_FOR_AUTHORIZATION",
    "buyAmount": null,
    "buyCurrency": "USD",
    "sellAmount": 10.00,
    "sellCurrency": "USD",
    "currencyPair": null,
    "fixedSide": null,
    "rate": null,
    "totalFee": null,
    "transferCreatedAt": 1653244200000,
    "transferCompletedAt": null,
    "reference": null,
    "referenceId": null,
```

```
    "paymentReference": null,
    "failureReason": null,
    "fundingSource": "fundingSource",
    "purposeOfTransfer": "test",
    "beneficiary": {
      "bankAccount": {
        "country": "IN",
        "bankAccountHolderName": "Ncome Tech Solutions Pvt. Ltd.",
        "bankName": "Icici Bank Limited",
        "currency": "USD",
        "accountNumber": "164705000322",
        "bicSwift": "ICICINBBNRI"
      },
      "country": "IN",
      "address": "Saket J Block",
      "city": "New Delhi",
      "companyName": "Ncome Tech Solutions Pvt. Ltd.",
      "nickname": "Ncome Tech Solutions Pvt. Ltd. - Icici Bank Limited - 164705000322",
      "type": "bank",
      "beneficiaryId": "e0dd446b-e101-4eb8-9f9f-0758bd53a28c"
    },
    "fundingReference": null,
    "fundingCutoffTime": null,
    "settlementDocument": null,
    "createdAt": 1653308535250,
    "completedDate": null,
    "transferDocument": null
  },
  {
    "merchantId": "MR100201114847",
    "merchantName": "Little B Foundation",
    "transferId": "TF112212153800",
    "simplePaymentId": "cea14eab-8328-4b6f-9538-rtrt6363",
    "totalAmount": 172.00,
    "status": "completed",
    "buyAmount": 172.00,
    "buyCurrency": "GBP",
    "sellAmount": 121.00,
    "sellCurrency": "GBP",
    "currencyPair": "GBPGBP",
    "fixedSide": "sell",
    "rate": 11.00,
    "totalFee": 15.00,
    "transferCreatedAt": 1645581302000,
    "transferCompletedAt": null,
    "reference": "",
    "referenceId": "TF112212153800",
    "paymentReference": "test2",
```

```
    "failureReason": "",
    "fundingSource": "COMPANY_BANK_ACCOUNT",
    "purposeOfTransfer": "WX09",
    "beneficiary": {
      "bankAccount": {
        "country": "IN",
        "bankAccountHolderName": "NCOME Tech Solutions Private Limited",
        "bankName": "ICICI BANK LIMITED",
        "currency": "GBP",
        "accountNumber": "164705000322",
        "bicSwift": "ICICINBBCTS"
      },
      "country": "IN",
      "address": "d block saket ,New Delhi",
      "city": "New Delhi",
      "companyName": "NCOME Tech Solutions Private Limited",
      "nickname": "castler",
      "type": "bank",
      "email": "riteshtiwari1989@gmail.com",
      "beneficiaryId": "6151b7f6-4d7a-4e0f-892e-be9b765c2f00"
    },
    "fundingReference": "T7UZ4R",
    "fundingCutoffTime": 1645624502000,
    "settlementDocument": null,
    "createdAt": 1652350080596,
    "completedDate": null,
    "transferDocument": null
  }
]
```


8.4 Transfer Search

Method: GET
Endpoint: /api/v1/transfer-search
Request Payload: JSON Type


```
{
  "referenceId": "",
  "merchantName": "",
  "status": "",
  "beneficiaryName": "",
  "currency": "USD",
  "fromDate": "",
  "toDate": ""
}
```


Response:

Response HTTP Code:
Success 200 OK

Response body:


```
{
  "result": [
    {
      "merchantId": "MR100201114847",
      "merchantName": "Little B Foundation",
      "transferId": "TF101216070546",
      "simplePaymentId": "39549774-f2ce-44e1-a102-64a3031b16b7",
      "totalAmount": 5021,
      "status": "awaiting_funds",
      "buyAmount": 5021,
      "buyCurrency": "USD",
      "sellAmount": 5001,
      "sellCurrency": "USD",
      "currencyPair": "USDUSD",
      "fixedSide": "buy",
      "rate": 1,
      "totalFee": 20,
      "transferCreatedAt": 1647414347000,
      "transferCompletedAt": null,
      "reference": "220316-SIM-R3954977",
      "referenceId": "TF101216070546",
      "paymentReference": "qq",
      "failureReason": "",
      "fundingSource": "INVESTMENTS",
      "purposeOfTransfer": "HREC",
      "beneficiary": {
        "bankAccount": {
          "country": "IN",
          "bankAccountHolderName": "Ncome Tech Solutions Pvt. Ltd.",
          "bankName": "Icici Bank Limited",
          "currency": "USD",
          "accountNumber": "164705000322",
          "bicSwift": "ICICINBBNRI"
        },
        "country": "IN",
        "address": "Saket J Block",
        "city": "New Delhi",
        "companyName": "Ncome Tech Solutions Pvt. Ltd.",
        "nickname": "Ncome Tech Solutions Pvt. Ltd. - Icici Bank L",
        "type": "bank",
        "beneficiaryId": "e0dd446b-e101-4eb8-9f9f-0758bd53a28c"
      },
      "fundingReference": "VZGFN9",
      "fundingCutoffTime": 1647457547000,
      "settlementDocument": null,
      "createdAt": 1647414347838,
      "completedDate": null,
```

```
  "transferDocument": null
 },
 {
  "merchantId": "MR100201114847",
  "merchantName": "Little B Foundation",
  "transferId": "TF101216095951",
  "simplePaymentId": "8df856c2-57a4-4786-b1fa-c46b5a175aed",
  "totalAmount": 1020,
  "status": "awaiting_funds",
  "buyAmount": 1020,
  "buyCurrency": "USD",
  "sellAmount": 1000,
  "sellCurrency": "USD",
  "currencyPair": "USDUSD",
  "fixedSide": "buy",
  "rate": 1,
  "totalFee": 20,
  "transferCreatedAt": 1647424792000,
  "transferCompletedAt": null,
  "reference": "220316-SIM-N8DF856C",
  "referenceId": "TF101216095951",
  "paymentReference": "Test",
  "failureReason": "",
  "fundingSource": "INVESTMENTS",
  "purposeOfTransfer": "BEXP",
  "beneficiary": {
   "bankAccount": {
    "country": "IN",
    "bankAccountHolderName": "Ncome Tech Solutions Pvt. Ltd.",
    "bankName": "Icici Bank Limited",
    "currency": "USD",
    "accountNumber": "164705000322",
    "bicSwift": "ICICINBBNRI"
   },
   "country": "IN",
   "address": "Saket J Block",
   "city": "New Delhi",
   "companyName": "Ncome Tech Solutions Pvt. Ltd.",
   "nickname": "Ncome Tech Solutions Pvt. Ltd. - Icici Bank L",
   "type": "bank",
   "beneficiaryId": "e0dd446b-e101-4eb8-9f9f-0758bd53a28c"
  },
  "fundingReference": "DTC4DV",
  "fundingCutoffTime": 1647467992000,
  "settlementDocument": null,
  "createdAt": 1647424792618,
  "completedDate": null,
  "transferDocument": null
```

```
    }
  ],
  "errorMessage": null
}
```