**API Description Document**

**Requestor**

|  |  |
| --- | --- |
| Requestor:  [Ankita Haridwaj] | Date:  14 – Sep – 17 |
| Designation  [Credit Cards - Manager] | Department  [Credit Cards - BSG] |

**Approvals**

|  |  |
| --- | --- |
| Executive Sponsor:  [] | Date: |
| Business Program Manager:  [Aditya Sahay]  [DVP – Credit Cards ] | Date: |
| Project Manager BSG:  [Keka Mandal] | Date: |
| Please add additional rows if you have additional stakeholders that need to approve this document. | |
| Comments: | |

**Revision History**

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# This document needs to be completed by BSG & IT/Vendor for each Application /API.

# Introduction

1. Currently all the customers applying for RBL Bank Credit Card online have only one option of filling an on line form, so going forward we wish to provide the option of a Chat Bot to the customers to enhance their overall experience and reduce the drop offs when filling form.
2. Applicants interested in RBL Bank Credit Cards can opt to have Chat bot assisted model to explore the RBL Bank Credit Cards and then carry on to provide details through the Bot. This option will be available on the RBL Bank website & Rupee Power page.
3. Mobile number entered by customer for Card issuance will be validated using OTP service

# List of API

*List down the APIs part of the projects:*

|  |  |  |
| --- | --- | --- |
| Sr. No | Name | Description |
| 1 | otpGenerate | This is used for Generating OTP |
| 2 | otpValidate | This is used for Validating OTP |

## API Name

otpGenerate

## Description

This is used for Generating OTP

***Process flow, UML Diagram***

The OTP generate API will be called for Mobile number validation of the customer as soon as Mobile number has been shared on ChatBot by the customer. i.e. OTP will get generate and send to Mobile Number shared by Customer

## Transport protocol (SOAP / REST)

*REST*

## API Request URLs

## <https://apideveloper.rblbank.com/test/sb/rbl/api/v1/generateotp>

## Request Parameters

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Business Parameter Name** | **Description** | **Parameter Name** | **Parameter Type** | **Parameter Constraints** | **Comments** |
|  |  | RequestUUID | Varchar | Length - 100 | This value should be unique and prefix should be application code |
|  |  | ServiceRequestId | Varchar | Length – 100 | otpGenRequest |
|  |  | ServiceRequestVersion | Varchar | Length – 100 |  |
|  |  | ChannelId | Varchar | Length – 100 | channel id of application |
|  |  | LanguageId | Varchar | Length – 100 |  |
|  |  | BankId | Varchar | Length – 100 |  |
|  |  | TimeZone | Varchar | Length – 100 |  |
|  |  | EntityId | Varchar | Length – 100 |  |
|  |  | EntityType | Varchar | Length – 100 |  |
|  |  | ArmCorrelationId | Varchar | Length – 100 |  |
|  |  | MessageDateTime | datetime |  | Timestamp of Sysdate |
|  |  | UserId | Varchar | Length – 100 |  |
|  |  | Password | Varchar | Length – 100 |  |
|  |  | FICertToken | Varchar | Length – 100 |  |
|  |  | RealUserLoginSessionId | Varchar | Length – 100 |  |
|  |  | RealUser | Varchar | Length – 100 |  |
|  |  | RealUserPwd | Varchar | Length – 100 |  |
|  |  | SSOTransferToken | Varchar | Length – 100 |  |
|  |  | channelId | CHAR | Length - 12 | channel id of application |
|  |  | requestId | integer | Length - 10 | unique request id |
|  |  | email | CHAR | Length - 50 | Mandatory if 'deliveryFlag' is either 'e' or 'b' |
|  |  | mobileno | Integer | Length - 15 | Mandatory if 'deliveryFlag' is either 's' or 'b' |
|  |  | optionalField2 | String | Length - 20 |  |
|  |  | optionalField3 | String | Length - 20 |  |
|  |  | serviceType | CHAR | Length - 1 | S - SMS V - Voice N - NA B - Both (SMS and Voice) |
|  |  | deliveryFlag | CHAR | Length - 1 | s - SMS e - Email b - Both (SMS and Email) |
|  |  | customerName | String | Length - 40 | First Name of Customer in case of Finacle and Customer Name in case of VisionPlus |

## Request Sample

<?xml version="1.0" encoding="UTF-8"?>

<FIXML xsi:schemaLocation="http://www.finacle.com/xxxxxxx.xsd" xmlns="http://www.finacle.com/fixml" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

<Header>

<RequestHeader>

<MessageKey>

<RequestUUID></RequestUUID>

<ServiceRequestId></ServiceRequestId>

<ServiceRequestVersion>10.2</ServiceRequestVersion>

<ChannelId></ChannelId>

<LanguageId></LanguageId>

</MessageKey>

<RequestMessageInfo>

<BankId></BankId>

<TimeZone></TimeZone>

<EntityId></EntityId>

<EntityType></EntityType>

<ArmCorrelationId></ArmCorrelationId>

<MessageDateTime>2015-06-13T15:33:08.915</MessageDateTime>

</RequestMessageInfo>

<Security>

<Token>

<PasswordToken>

<UserId></UserId>

<Password></Password>

</PasswordToken>

</Token>

<FICertToken></FICertToken>

<RealUserLoginSessionId></RealUserLoginSessionId>

<RealUser></RealUser>

<RealUserPwd></RealUserPwd>

<SSOTransferToken></SSOTransferToken>

</Security>

</RequestHeader>

</Header>

<Body>

<otpGenRequest>

<channelId></channelId>

<requestId>1234011</requestId>

<email>abc.xyz@rblbank.com</email>

<mobileno>919800098000</mobileno>

<optionalField2>12345678</optionalField2>

<serviceType>B</serviceType>

<deliveryFlag>b</deliveryFlag>

<optionalField3>RBL11112345678</optionalField3>

<customerName>Ramesh</customerName>

</otpGenRequest>

</Body>

</FIXML>

**Response Parameters**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Business Parameter Name** | **Description** | **Parameter Name** | **Parameter Type** | **Parameter Constraints** | **Comments** | | | |
|  |  | RequestUUID | Varchar | Length – 100 |  | | | |
|  |  | ServiceRequestId | Varchar | Length – 100 |  |  |  |  |
|  |  | ServiceRequestVersion | Varchar | Length – 100 |  |  |  |  |
|  |  | ChannelId | Varchar | Length – 100 |  |  |  |  |
|  |  | BankId | Varchar | Length – 100 |  |  |  |  |
|  |  | TimeZone | Varchar | Length – 100 |  |  |  |  |
|  |  | MessageDateTime | datetime |  | Timestamp of Sysdate | | | |
|  |  | UBUSTransaction : Id | Varchar | Length – 100 |  | | | |
|  |  | UBUSTransaction : Status | Varchar | Length – 100 | Deciding parameter whether request is Success or Failure. Possible values: SUCCESS/FAILURE | | | |
|  |  | HostTransaction : Id | Varchar | Length – 100 |  | | | |
|  |  | HostTransaction : Status | Varchar | Length – 100 |  | | | |
|  |  | HostParentTransaction : Id | CHAR | Length – 100 |  | | | |
|  |  | HostParentTransaction : Status | Integer | Length – 100 |  | | | |
|  |  | CustomInfo | String | Length – 100 |  | | | |
|  |  | status | char | Length - 20 | SUCCESS or FAILURE | | | |
|  |  | email | CHAR | Length - 50 | email id | | | |
|  |  | mobileno | integer | Length - 15 | mobile number | | | |

## Response Sample

## <FIXML xsi:schemaLocation="http://www.finacle.com/fixml BalInq.xsd" xmlns="http://www.finacle.com/fixml" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

## <Header>

## <ResponseHeader>

## <RequestMessageKey>

## <RequestUUID></RequestUUID>

## <ServiceRequestId></ServiceRequestId>

## <ServiceRequestVersion>10.2</ServiceRequestVersion>

## <ChannelId></ChannelId>

## </RequestMessageKey>

## <ResponseMessageInfo>

## <BankId>01</BankId>

## <TimeZone/>

## <MessageDateTime>2015-12-30T09:12:26.104</MessageDateTime>

## </ResponseMessageInfo>

## <UBUSTransaction>

## <Id/>

## <Status>SUCCESS</Status>

## </UBUSTransaction>

## <HostTransaction>

## <Id/>

## <Status/>

## </HostTransaction>

## <HostParentTransaction>

## <Id/>

## <Status/>

## </HostParentTransaction>

## <CustomInfo/>

## </ResponseHeader>

## </Header>

## <Body>

## <otpGenResponse>

## <status>SUCCESS</status>

## <email>abc.xyz@rblbank.com</email>

## <mobileno>919800098000</mobileno>

## </otpGenResponse>

## </Body>

## </FIXML>

## Response Codes

|  |  |  |
| --- | --- | --- |
| **Response Stage** | **Response Code** | **Response Message** |
| SUCCESS |  | SUCCESS |
| FAILURE |  | FAILURE |

## Error Codes

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Error Code** | **Error Type** | **Short Message** | **Long Message** | **Correcting This Error** | **Error Type** |
| EOTP000051 | Validation | INVALID\_CHANNELID | INVALID\_CHANNELID |  |  |
| EOTP000052 | Validation | INVALID\_MOBILE | INVALID\_MOBILE |  |  |
| EOTP000053 | Validation | INVALID\_REQID | INVALID\_REQID |  |  |
| EOTP000054 | Validation | INVALID\_EMAIL | INVALID\_EMAIL |  |  |
| EOTP000055 | Validation | INVALID\_DELIVERY\_FLAG | INVALID\_DELIVERY\_FLAG |  |  |
| EOTP000056 | Validation | INVALID\_SERVICE\_TYPE | INVALID\_SERVICE\_TYPE |  |  |
| EOTP000057 | Validation | INVALID\_COMBINATION | INVALID\_COMBINATION |  |  |
| EOTP000058 | Validation | DUPLICATE\_REQID | DUPLICATE\_REQID |  |  |
| EOTP000059 | Validation | FAILURE | FAILURE |  |  |

# Appendix

List of mandatory tags for request and response



## API Name

otpValidate

## Description

This is used for validating OTP

***Process flow, UML Diagram***

The OTP validate API will be called for Mobile number validation of the customer on ChatBot

Transport protocol (SOAP / REST)

*REST*

## API Request URLs

## <https://apideveloper.rblbank.com/test/sb/rbl/api/v1/validateotp>

## Request Parameters

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Business Parameter Name** | **Description** | **Parameter Name** | **Parameter Type** | **Parameter Constraints** | **Comments** |
|  |  | RequestUUID | Varchar | Length - 100 | This value should be unique and prefix should be application code |
|  |  | ServiceRequestId | Varchar | Length – 100 | otpValRequest |
|  |  | ServiceRequestVersion | Varchar | Length – 100 |  |
|  |  | ChannelId | Varchar | Length – 100 | channel id of application |
|  |  | LanguageId | Varchar | Length – 100 |  |
|  |  | BankId | Varchar | Length – 100 |  |
|  |  | TimeZone | Varchar | Length – 100 |  |
|  |  | EntityId | Varchar | Length – 100 |  |
|  |  | EntityType | Varchar | Length – 100 |  |
|  |  | ArmCorrelationId | Varchar | Length – 100 |  |
|  |  | MessageDateTime | datetime |  | Timestamp of Sysdate |
|  |  | UserId | Varchar | Length – 100 |  |
|  |  | Password | Varchar | Length – 100 |  |
|  |  | FICertToken | Varchar | Length – 100 |  |
|  |  | RealUserLoginSessionId | Varchar | Length – 100 |  |
|  |  | RealUser | Varchar | Length – 100 |  |
|  |  | RealUserPwd | Varchar | Length – 100 |  |
|  |  | SSOTransferToken | Varchar | Length – 100 |  |
|  |  | channelId | CHAR | Length - 12 | channel id of application |
|  |  | requestId | integer | Length - 10 | unique request id |
|  |  | otp | integer | Length - 10 | Otp number |

## Request Sample

<?xml version="1.0" encoding="UTF-8"?>

<FIXML xsi:schemaLocation="http://www.finacle.com/xxxxxxx.xsd" xmlns="http://www.finacle.com/fixml" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

<Header>

<RequestHeader>

<MessageKey>

<RequestUUID></RequestUUID>

<ServiceRequestId></ServiceRequestId>

<ServiceRequestVersion>10.2</ServiceRequestVersion>

<ChannelId></ChannelId>

<LanguageId></LanguageId>

</MessageKey>

<RequestMessageInfo>

<BankId></BankId>

<TimeZone></TimeZone>

<EntityId></EntityId>

<EntityType></EntityType>

<ArmCorrelationId></ArmCorrelationId>

<MessageDateTime>2015-06-13T15:33:08.915</MessageDateTime>

</RequestMessageInfo>

<Security>

<Token>

<PasswordToken>

<UserId></UserId>

<Password></Password>

</PasswordToken>

</Token>

<FICertToken></FICertToken>

<RealUserLoginSessionId></RealUserLoginSessionId>

<RealUser></RealUser>

<RealUserPwd></RealUserPwd>

<SSOTransferToken></SSOTransferToken>

</Security>

</RequestHeader>

</Header>

<Body>

<otpValRequest>

<channelId></channelId>

<requestId>1234011</requestId>

<otp>927944</otp>

</otpValRequest>

</Body>

</FIXML>

**Response Parameters**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Business Parameter Name** | **Description** | **Parameter Name** | **Parameter Type** | **Parameter Constraints** | **Comments** | | | |
|  |  | RequestUUID | Varchar | Length – 100 |  | | | |
|  |  | ServiceRequestId | Varchar | Length – 100 |  |  |  |  |
|  |  | ServiceRequestVersion | Varchar | Length – 100 |  |  |  |  |
|  |  | ChannelId | Varchar | Length – 100 |  |  |  |  |
|  |  | BankId | Varchar | Length – 100 |  |  |  |  |
|  |  | TimeZone | Varchar | Length – 100 |  |  |  |  |
|  |  | MessageDateTime | datetime |  | Timestamp of Sysdate | | | |
|  |  | UBUSTransaction : Id | Varchar | Length – 100 |  | | | |
|  |  | UBUSTransaction : Status | Varchar | Length – 100 | Deciding parameter whether request is Success or Failure. Possible values: SUCCESS/FAILURE | | | |
|  |  | HostTransaction : Id | Varchar | Length – 100 |  | | | |
|  |  | HostTransaction : Status | Varchar | Length – 100 |  | | | |
|  |  | HostParentTransaction : Id | CHAR | Length – 100 |  | | | |
|  |  | HostParentTransaction : Status | Integer | Length – 100 |  | | | |
|  |  | CustomInfo | String | Length – 100 |  | | | |
|  |  | status | char | Length - 20 | VALID or INVALID\_OTP | | | |

## Response Sample

## <FIXML xsi:schemaLocation="http://www.finacle.com/fixml BalInq.xsd" xmlns="http://www.finacle.com/fixml" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

## <Header>

## <ResponseHeader>

## <RequestMessageKey>

## <RequestUUID></RequestUUID>

## <ServiceRequestId></ServiceRequestId>

## <ServiceRequestVersion>10.2</ServiceRequestVersion>

## <ChannelId></ChannelId>

## </RequestMessageKey>

## <ResponseMessageInfo>

## <BankId>01</BankId>

## <TimeZone/>

## <MessageDateTime>2015-12-30T09:12:26.104</MessageDateTime>

## </ResponseMessageInfo>

## <UBUSTransaction>

## <Id/>

## <Status>SUCCESS</Status>

## </UBUSTransaction>

## <HostTransaction>

## <Id/>

## <Status/>

## </HostTransaction>

## <HostParentTransaction>

## <Id/>

## <Status/>

## </HostParentTransaction>

## <CustomInfo/>

## </ResponseHeader>

## </Header>

## <Body>

## <otpValResponse>

## <status>VALID</status>

## </otpValResponse>

## </Body>

## </FIXML>

## Response Codes

|  |  |  |
| --- | --- | --- |
| **Response Stage** | **Response Code** | **Response Message** |
| SUCCESS |  | SUCCESS |
| FAILURE |  | FAILURE |

## Error Codes

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Error Code** | **Error Type** | **Short Message** | **Long Message** | **Correcting This Error** | **Error Type** |
| EOTP000062 | Validation | TIMEOUT | TIMEOUT |  |  |
| EOTP000063 | Validation | FAILURE | FAILURE |  |  |
| EOTP000064 | Validation | MAX\_ATTEMPT\_EXCEEDED | MAX\_ATTEMPT\_EXCEEDED |  |  |
| EOTP000065 | Validation | INVALID\_REQID | INVALID\_REQID |  |  |
| EOTP000066 | Validation | INVALID\_CHANNELID | INVALID\_CHANNELID |  |  |

# Appendix

List of mandatory tags for request and response

