Following defects are found while testing API to collect customer’s bank details.

Issue 1:

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| **Title:** | API does not show a message for duplicate entry |
| **Reported Date:** | 8/11/2018 |
| **URL:** | <http://preview.airwallex.com:30001/bank> |
| **http Method** | Post |
| **Environment** | Windows 10 |
| **Tool used for testing** | SoapUI 5.4.0 |
| **Reported By** | Nirav Modi |
| **Status** | Open |
| **Steps to Recreate:** | 1. Send a request to the URL with Following pay load:  a. {"payment\_method": "SWIFT", "bank\_country\_code": "US", "account\_name": "John Smith", "account\_number": "123", "swift\_code": "ICBCUSBJ", "aba": "11122233A"}  2. A message – “{"success": "Bank details saved"}” should be displayed in response  3. Repeat Step 1 and send same payload in the request |
| **Actual Result:** | Message ““{"success": "Bank details saved"}” is displayed in the response even though the user has already registered its bank details |
| **Expected Result:** | If the customer has already registered its bank details, then API should show a message like “Bank details already registered” |

Issue 2:

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| **Title:** | API does not throw error when user enters does **not** enter ‘aba’ for country code – ‘US’ |
| **Reported Date:** | 8/11/2018 |
| **URL:** | <http://preview.airwallex.com:30001/bank> |
| **http Method** | Post |
| **Environment** | Windows 10 |
| **Tool used for testing** | SoapUI 5.4.0 |
| **Reported By** | Nirav Modi |
| **Status** | Open |
| **Steps to Recreate:** | 1. Send a request to the URL with Following pay load:  {"payment\_method": "SWIFT",  "bank\_country\_code": "US",  "account\_name": "AUTO B9AM5",  "account\_number": "08325616",  "swift\_code": "HFMKUS6VE",  "aba": "" }  2. Verify the response |
| **Actual Result:** | Message “‘aba’ is required when the country code is: US” is **not** displayed in the response even though the user has entered short ABA |
| **Expected Result:** | Message “‘aba’ is required when the country code is: US” should be displayed in the response even though the user has entered short ABA |

Issue 3

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| **Title:** | API does not throw error when user enters special character in Account number |
| **Reported Date:** | 8/11/2018 |
| **URL:** | <http://preview.airwallex.com:30001/bank> |
| **http Method** | Post |
| **Environment** | Windows 10 |
| **Tool used for testing** | SoapUI 5.4.0 |
| **Reported By** | Nirav Modi |
| **Status** | Open |
| **Steps to Recreate:** | 1. Send a request to the URL with Following pay load:  {"payment\_method": "LOCAL",  "bank\_country\_code": "AU",  "account\_name": "AUTO YYFAQ",  "account\_number": "0650538#",  "swift\_code": "",  "bsb": "342273"}  2. Verify the response |
| **Actual Result:** | Message “Invalid account number.” is **not** displayed in the response when the user enters special character in Account number  **Note**: Same issue is observed for ‘Swift code’, ‘bsb’ and ‘aba’ |
| **Expected Result:** | Message “Invalid account number.” should be displayed in the response when the user enters special character in Account number.  Special characters should **not** be allowed in the fields – ‘Account number’, ‘Swift code’, ‘bsb’, and ‘aba’. Appropriate error message should be displayed when the user enters special character in these fields. |

Issue 4

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| **Title:** | API validates the request for country code ‘US’ where as the user has entered country code ‘AU’ |
| **Reported Date:** | 8/11/2018 |
| **URL:** | <http://preview.airwallex.com:30001/bank> |
| **http Method** | Post |
| **Environment** | Windows 10 |
| **Tool used for testing** | SoapUI 5.4.0 |
| **Reported By** | Nirav Modi |
| **Status** | Open |
| **Steps to Recreate:** | 1. Send a request to the URL with Following pay load:  {"payment\_method": "LOCAL",  "bank\_country\_code": "AU",  "account\_name": "AUTO BCLHA",  "account\_number": "02246",  "swift\_code": "",  "bsb": "132863"}  2. Verify the response |
| **Actual Result:** | Message “Length of account\_number should be between 7 and 11 when bank\_country\_code is 'US'” is displayed when the user enters country code ‘AU’ with invalid account number  **Note**: Same issue is observed when the user enters 10-digit account number with country code ‘AU’ |
| **Expected Result:** | Since the user has entered country code ‘AU’ API should validate account number length according to ‘AU’ standard and it should show message “Length of account\_number should be between **6 and 9** when bank\_country\_code is **'AU'**” should be displayed. For country code AU, Account number length is 6-9 digit. |

Issue 5

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| **Title:** | API does not allow the customer to save bank details for country code ‘CN’ along with valid account number |
| **Reported Date:** | 8/11/2018 |
| **URL:** | <http://preview.airwallex.com:30001/bank> |
| **http Method** | Post |
| **Environment** | Windows 10 |
| **Tool used for testing** | SoapUI 5.4.0 |
| **Reported By** | Nirav Modi |
| **Status** | Open |
| **Steps to Recreate:** | 1. Send a request to the URL with Following pay load:  {"payment\_method": "LOCAL",  "bank\_country\_code": "CN",  "account\_name": "AUTO WFS5M",  "account\_number": "3118015280",  "swift\_code": "",  "aba": "46318787R" }  2. Verify the response |
| **Actual Result:** | Message “Length of account\_number should be between 7 and 11 when bank\_country\_code is 'US'” is displayed in response, when the user enters account number within the allowed length for country code ‘CN’ |
| **Expected Result:** | Since the user has entered country code ‘CN’ API should validate account number length according to ‘CN’ and it should save customer bank details. For country code CN, Account number length is 8-20 digit. |

Issue 6

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| **Title:** | API does not show error message when the user enters country code ‘CN’ with invalid account number |
| **Reported Date:** | 8/11/2018 |
| **URL:** | <http://preview.airwallex.com:30001/bank> |
| **http Method** | Post |
| **Environment** | Windows 10 |
| **Tool used for testing** | SoapUI 5.4.0 |
| **Reported By** | Nirav Modi |
| **Status** | Open |
| **Steps to Recreate:** | 1. Send a request to the URL with Following pay load:  {"payment\_method": "LOCAL",  "bank\_country\_code": "CN",  "account\_name": "AUTO EEIN6",  "account\_number": "2356061",  "swift\_code": "",  "aba": "282882401"}  2. Verify the response |
| **Actual Result:** | API saves the customer bank details and shows a message – “{"success": "Bank details saved"}”, even though the account number is outside the allowed length limit of account number |
| **Expected Result:** | Since the user has entered 7-digit account number for a country code - ‘CN’, message “Length of account\_number should be between 8 and 20 when bank\_country\_code is 'CN'” should be displayed in response |

Issue 7

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| **Title:** | API validates the request for country code ‘US’ whereas the user has entered country code ‘CN’ |
| **Reported Date:** | 8/11/2018 |
| **URL:** | <http://preview.airwallex.com:30001/bank> |
| **http Method** | Post |
| **Environment** | Windows 10 |
| **Tool used for testing** | SoapUI 5.4.0 |
| **Reported By** | Nirav Modi |
| **Status** | Open |
| **Steps to Recreate:** | 1. Send a request to the URL with Following pay load:  {"payment\_method": "LOCAL",  "bank\_country\_code": "CN",  "account\_name": "AUTO EEIN6",  "account\_number": "244470532422057142325",  "swift\_code": "",  "aba": "282882401"}  2. Verify the response |
| **Actual Result:** | Message “Length of account\_number should be between 7 and 11 when bank\_country\_code is 'US'” is displayed when the user enters account number outside the allowed length for country code ‘CN’ |
| **Expected Result:** | Since the user has entered country code ‘CN’ API should validated account number length according to ‘CN’ standard and it should show message “"Length of account\_number should be between **8 and 20** when bank\_country\_code is '**CN**'” should be displayed. For country code CN, Account number length is 8 to 20. |

Issue 8

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| **Title:** | API fails to load JSON and to show error message when the user enters country code ‘AU’ with single character account name |
| **Reported Date:** | 8/11/2018 |
| **URL:** | <http://preview.airwallex.com:30001/bank> |
| **http Method** | Post |
| **Environment** | Windows 10 |
| **Tool used for testing** | SoapUI 5.4.0 |
| **Reported By** | Nirav Modi |
| **Status** | Open |
| **Steps to Recreate:** | 1. Send a request to the URL with Following pay load:  {"payment\_method": "LOCAL",  "bank\_country\_code": "AU",  "account\_number": "13755584",  "account\_name": "Q",  "swift\_code": "",  "bsb": "404626"  2. Verify the response |
| **Actual Result:** | Message “SyntaxError: Unexpected end of JSON input” is displayed instead of an error message – “Length of account\_name should be between 2 and 10”  HTML Error:  SyntaxError: Unexpected end of JSON input     at JSON.parse (<anonymous>)     at parse (/srv/node/node\_modules/body-parser/lib/types/json.js:89:19)     at /srv/node/node\_modules/body-parser/lib/read.js:116:18     at invokeCallback (/srv/node/node\_modules/raw-body/index.js:224:16)     at done (/srv/node/node\_modules/raw-body/index.js:213:7)     at IncomingMessage.onEnd (/srv/node/node\_modules/raw-body/index.js:273:7)     at IncomingMessage.emit (events.js:182:13)     at endReadableNT (\_stream\_readable.js:1085:12)     at process.\_tickCallback (internal/process/next\_tick.js:63:19) |
| **Expected Result:** | WARNING message – “Length of account\_name should be between 2 and 10” should be displayed when user tries to enter account name less than 2 and more than 10 characters for any country code – ‘AU’, ‘CN’ and ‘US’. |

Issue 9

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| **Title:** | API fails to load JSON and to show error message when the user enters country code ‘AU’ without account name |
| **Reported Date:** | 8/11/2018 |
| **URL:** | <http://preview.airwallex.com:30001/bank> |
| **http Method** | Post |
| **Steps to Recreate:** | 1. Send a request to the URL with Following pay load:  {"payment\_method": "LOCAL",  "bank\_country\_code": "AU",  "account\_number": "44843707",  "account\_name": "",  "swift\_code": "",  "bsb": "781563"  2. Verify the response |
| **Actual Result:** | Message “SyntaxError: Unexpected end of JSON input” is displayed instead of an error message – “account\_name is required”  HTML Error:  SyntaxError: Unexpected end of JSON input     at JSON.parse (<anonymous>)     at parse (/srv/node/node\_modules/body-parser/lib/types/json.js:89:19)     at /srv/node/node\_modules/body-parser/lib/read.js:116:18     at invokeCallback (/srv/node/node\_modules/raw-body/index.js:224:16)     at done (/srv/node/node\_modules/raw-body/index.js:213:7)     at IncomingMessage.onEnd (/srv/node/node\_modules/raw-body/index.js:273:7)     at IncomingMessage.emit (events.js:182:13)     at endReadableNT (\_stream\_readable.js:1085:12)     at process.\_tickCallback (internal/process/next\_tick.js:63:19) |
| **Expected Result:** | WARNING message – “account\_name is required” should be displayed when user tries to enter bank details without account name for any country code – ‘AU’, ‘CN’ and ‘US’. |

**Question to the developer:**

1. For country code ‘US’, valid length for account number is 1 to 17 and API allows the user to enter account number from 1-digit long to 17-digit long. But when the user enters 18-digit account number for country code ‘US’, API throws an error message - “Length of account\_number should be between 7 and 11 when bank\_country\_code is 'US'"

**Question**: Shouldn’t the user be restricted to enter account number less than 7 and more than 11 digit long as mentioned in the error message?