API Document

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# Version Control

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| --- | --- | --- | --- | --- |
| **Ver. No.** | **Author** | **Reviewer** | **Comments** | **Date** |
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# Purpose

This document contains the specifications of the Gateway APIs exposed to external world.

# Scope

Following are the Gateway APIs exposed to external world.

1. User/Admin Registration API
2. OTPValidation API
3. FetchTokens API
4. FetchItems API

# API Specifications

## 4.1 User/Admin Registration API

**Description:**

This API is used to register the User by fetching the registration details from Android Native application.

**Request URL:**

http://localhost:8090/tripmn/services/registerUser

**Request Parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.No** | **Request Parameter** | **Description** | **Type** | **Size** | **Mandatory** |
| 1 | userName | Name of the user. This should be unique across the application. | Alphanumeric | Max: 50 | Yes |
| 2 | emailId | Email id of the user. This should be unique across the application. | Alphanumeric | Max: 50 | Yes |
| 3 | mobileNumber | Mobile number of the user. This should be unique across the application. | Numeric | Max:10 | Yes |
| 4 | userType | Type of the User. He can be either normal User or Admin. Possible values can be **Customer/AdminUser**. The value should be **User** from mobile application. | Alphanumeric | Max: 50 | Yes |

**Request Type:**

JSON

**Request Format:**

{

"userName":"test",

"emailId":"mahesh.king@gmail.com",

"mobileNumber":"9047798530",

"userType":"1"

}

**Request Header:**

Content-Type: application/json

**Method Type:**

POST request method is accepted.

**Response Type:**

JSON

**Response Format:**

**Success Response:**

{

"errorCode": 0,

"errorDescription": "Success",

"userId": 5,

"balance": 5,

}

**Error Response:**

{

"errorCode": 700112,

"errorDescription": "Mobile Number already available, please choose a different Mobile Number.",

"userId": 0

}

**Success and Error Scenarios:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S.No | Scenario | Variable | Value | Description |
| 1. | Success | errorDescription | User Registered successfully. | Response Message |
| errorCode |  | Empty tag for Success case scenario |
| 2. | Error | errorDescription | Registration Details not available in the JSON request. | Response Message |
| errorCode | 700101 | Response Code |
| 3. | Error | errorDescription | Email not available in the JSON request. | Response Message |
| errorCode | 700102 | Response Code |
| 4 | Error | errorDescription | Mobile Number not available in the JSON request. | Response Message |
| errorCode | 700103 | Response Code |
| 5 | Error | errorDescription | Username not available in the JSON request. | Response Message |
| errorCode | 700104 | Response Code |
| 6 | Error | errorDescription | UserType not available in the JSON request. | Response Message |
| errorCode | 700105 | Response Code |
| 7 | Error | errorDescription | Email is not in proper format. | Response Message |
| errorCode | 700106 | Response Code |
| 8 | Error | errorDescription | Please enter 10 digit Mobile Number. | Response Message |
| errorCode | 700107 | Response Code |
| 9 | Error | errorDescription | Already registered with the provided details. | Response Message |
| errorCode | 700108 | Response Code |
| 10 | Error | errorDescription | Invalid UserType. Please send the value as either User/Admin. | Response Message |
| errorCode | 700109 | Response Code |
| 11 | Error | errorDescription | Username already available, please choose a different Username. | Response Message |
| errorCode | 700110 | Response Code |
| 12 | Error | errorDescription | Email already available, please choose a different Email. | Response Message |
| errorCode | 700111 | Response Code |
| 13 | Error | errorDescription | Mobile Number already available, please choose a different Mobile Number. | Response Message |
| errorCode | 700112 | Response Code |
| 14 | Error | errorDescription | Max Length exceeded for input parameters. | Response Message |
| errorCode | 700113 | Response Code |
| 15 | Error | errorDescription | SQL Exception from DB. | Response Message |
| errorCode | 700001 | Response Code |
| 16 | Error | errorDescription | Invalid session. | Response Message |
| errorCode | 700002 | Response Code |
| 17 | Error | errorDescription | Session expired. | Response Message |
| errorCode | 700003 | Response Code |
| 18 | Error | errorDescription | Communication error, please try after some time. | Response Message |
| errorCode | 700004 | Response Code |

## 4.2 OTPValidation API

**Description:**

This API is used to validate the OTP sent from Android native application.

**Request URL:**

http://localhost:8090/tripmn/services/validateotp

**Request Parameters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.No** | **Request Parameter** | **Description** | **Type** | **Size** | **Mandatory** |
| 1 | otp | OTP sent from SMS API | Numeric | Max: 8 | Yes |
| 2 | userId | User Id of the Customer | Numeric | Max: 8 | Yes |

**Request Type:**

JSON

**Request Format:**

{

"userId":"12",

"otp":"467845"

}

**Request Header:**

Content-Type: application/json

**Method Type:**

POST request method is accepted.

**Response Type:**

JSON

**Response Format:**

**Success Response:**

{

"errorDescription":"OTP validated successfully",

" errorCode":"0"

}

**Error Response:**

{

"errorDescription":"Invalid OTP.",

"errorCode":700202

}

**Success and Error Scenarios:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S.No | Scenario | Variable | Value | Description |
| 1. | Success | errorDescription | OTP Validation successful. | Response Message |
| errorCode |  | Empty tag for Success case scenario |
| 2. | Error | errorDescription | OTP not available in JSON Request. | Response Message |
| errorCode | 700201 | Response Code |
| 3. | Error | errorDescription | Invalid OTP. | Response Message |
| errorCode | 700202 | Response Code |
| 4 | Error | errorDescription | SQL Exception from DB. | Response Message |
| errorCode | 700001 | Response Code |
| 5 | Error | errorDescription | Invalid session. | Response Message |
| errorCode | 700002 | Response Code |
| 6 | Error | errorDescription | Session expired. | Response Message |
| errorCode | 700003 | Response Code |
| 7 | Error | errorDescription | Communication error, please try after some time. | Response Message |
| errorCode | 700004 | Response Code |

## 4.3 Fetch Tokens API

**Description:**

This API is used to fetch the available tokens from Trip MN Gateway server in Android native application.

**Request URL:**

<http://localhost:8090/tripmn/services/fetchTokens>

**Request Parameters:**

NA.

**Request Type:**

NA

**Request Format:**

NA

**Request Header:**

NA

**Method Type:**

POST request method is accepted.

**Response Type:**

JSON

**Response Format:**

**Success Response:**

{

"errorCode": 0,

"errorDescription": "Success",

"tokenList": [

{

"id": 1,

"tokenQuantity": 10,

"amount": 100,

"expirtyDate": 1448044200000,

"status": "Active"

},

{

"id": 2,

"tokenQuantity": 10,

"amount": 100,

"expirtyDate": 1448044200000,

"status": "Active"

}

]

}

**Error Response:**

[

{

"errorDescription":"Tokens not available.",

"errorCode":700301

}

]

**Success and Error Scenarios:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S.No | Scenario | Variable | Value | Description |
| 1. | Success | errorDescription | Token fetched successfully. | Response Message |
| errorCode |  | Empty tag for Success case scenario |
| 2 | Error | errorDescription | Tokens not available. | Response Message |
| errorCode | 700301 | Response Code |
| 3 | Error | errorDescription | SQL Exception from DB. | Response Message |
| errorCode | 700001 | Response Code |
| 4 | Error | errorDescription | Invalid session. | Response Message |
| errorCode | 700002 | Response Code |
| 5 | Error | errorDescription | Session expired. | Response Message |
| errorCode | 700003 | Response Code |
| 6 | Error | errorDescription | Communication error, please try after some time. | Response Message |
| errorCode | 700004 | Response Code |

## 4.4 Fetch Items API

**Description:**

This API is used to fetch the available items from Trip MN Gateway server in Android native application.

**Request URL:**

http://localhost:8090/tripmn/services/fetchItems

**Request Parameters:**

NA.

**Request Type:**

NA

**Request Format:**

NA

**Request Header:**

NA

**Method Type:**

POST request method is accepted.

**Response Type:**

JSON

**Response Format:**

**Success Response:**

{

"errorCode": 0,

"errorDescription": "Success",

"itemList": [

{

"id": 1,

"name": "Laptop",

"description": "Laptop",

"brand": "HP",

"price": 1000,

"endDate": 1446381430000,

"imagePath": "",

"termsAndConditions": "Temes and conditions",

"active": true

}

]

}

**Error Response:**

{

"errorCode": 700401,

"errorDescription": "Items not available."

}

**Success and Error Scenarios:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S.No | Scenario | Variable | Value | Description |
| 1. | Success | errorDescription | Items fetched successfully. | Response Message |
| errorCode |  | Empty tag for Success case scenario |
| 2 | Error | errorDescription | Items not available. | Response Message |
| errorCode | 700401 | Response Code |
| 3 | Error | errorDescription | SQL Exception from DB. | Response Message |
| errorCode | 700001 | Response Code |
| 4 | Error | errorDescription | Invalid session. | Response Message |
| errorCode | 700002 | Response Code |
| 5 | Error | errorDescription | Session expired. | Response Message |
| errorCode | 700003 | Response Code |
| 6 | Error | errorDescription | Communication error, please try after some time. | Response Message |
| errorCode | 700004 | Response Code |