Getting Started with the Spendgo API

Spendgo's suite of APIs enables you to integrate customer data and loyalty into any mobile, in-store POS, kiosks, e-commerce platforms, and more.

The customer data maintained by Spendgo is the source of truth. Hence, the Partner will contact Spendgo when a customer submits a new account creation request (sign up process), when a registered customer needs to sign in, and when a customer updates their account profile information.

Spendgo provides a simple and powerful [REST API](#) to integrate with our customer data and loyalty services. Our API has predictable resource-oriented Urls, returns JSON responses, and uses standard HTTP response codes.

In order to ensure that a high level of quality is maintained, Spendgo provides an environment that can be used during development and integration for testing purposes before rolling out changes to the live environment.

Test Environment

You can use the Spendgo API in a test environment, which does not affect your live data. To test that your integration is working correctly, make test API requests using your test credentials pointed to ***.skuped.com** domain.

Live Environment

Once your integration has been certified by us, your API requests using your production credentials should be pointed to ***.spendgo.com** domain.

Request & Response Protocol

Security

Depending on the use case, these are the following three security mechanisms available when interacting with Spendgo's platform:

- **Signed Requests**
  Frequently used for server-to-server integrations.

- **OAuth2**
  When leveraging Spendgo's Identity platform for user-authentication.

- **Token-Based Requests**
  Frequently used for building mobile apps. A user id and password are exchanged for a token to be used in subsequent API requests.

Request Structure

Every request comprises HTTP Headers, Url endpoint and optionally a JSON Body. All JSON structures follow the rules specified in RFC4627;and encoded as UTF8, as specified in RFC3629, using one to four bytes per Unicode code point.

HTTP Headers

Spendgo APIs use the following headers. Not all APIs require all the headers.

- **X-Class-Signature** the message signature. The X-Class-Signature header is generated by creating a sha256 HMAC using the shared client secret (known only to

both parties) on the prehash string:

$$hmac(\text{"sha256"}, (uri + body), Base64Decoded(base64\_encoded\_secret))$$
where + represents string concatenation

See [Generate Signature Examples](#).

- **X-Class-Key** the account specific identifier provided by Spendgo.

- **Content-Type** identify JSON data format being sent as "application/JSON"

- **Authorization** is the authentication token in the form of Bearer <token>. In general, this is a required header in the mobile workflows seeking access to secure customer profile information. The Authorization Key expires after a pre-defined expiry period.

JSON Body

The JSON body is the minified version of the JSON that is to be submitted in the request body. It is omitted if there is no request body (typically for GET requests). NOTE: This same minified version of the JSON body is used to generate the signature as well.

Example cURL command

```
curl -k -v -X POST -H 'X-Class-Key: test_spendgo_loyalty' -H
'X-Class-Signature: EMTNgEMeW/E32z/hIFDn1tTVQ017GLC4SiBHNWwRx9w=' -H
'Content-Type: application/json' -d '{"customer":{"phone":"9999999999"}}'
https://webservice.skuped.com/loyalty/accounts
```

Response Structure

Spendgo APIs use a combination of HTTP status codes and a JSON Response Body to present the results of the call. Every response body is serialized as JSON, as specified in RFC4627;and encoded as UTF8, as specified in RFC3629, using one to four bytes per Unicode code point.

Error Handling

Spendgo uses conventional HTTP response codes to indicate the success or failure of an API request, as well as a JSON error response object.

HTTP Status Code Summary

We follow the standard HTTP codes for our API responses and these are summarized below:

- In the 2xx range if a request is successful
- In the 3xx range if a request is redirected
- In the 4xx range if a request fails due to client error
- In the 5xx range if a request fails due to server error

Status codes

The following describes common HTTP status codes that can be returned.

OK	200	Everything worked as expected.
CREATED	201	The request has been fulfilled, resulting in the creation of a new resource.
ACCEPTED	202	The request has been accepted for processing.
BAD REQUEST	400	The request was unacceptable, often due to missing a required parameter.
UNAUTHORIZED	401	No valid API key provided.
FORBIDDEN	403	The API key doesn't have permissions to perform the request or other reward or member information does not match.

NOT FOUND	404	The requested resource doesn't exist.
CONFLICT	409	The request encountered a conflict.
INTERNAL SERVER ERROR	500, 501, 503	Something went wrong on Spendgo's end (these are rare).

Error schema

The response is a JSON object that includes all the details of the error. You can use the information returned here in addition to the HTTP status code to determine the error. The following table describes the schema that may be returned in an error response. Not all APIs return all the parameters.

id string A unique reference representing this instance of the error. Not returned in mobile APIs.

code integer Always returned. An error code. Common values are listed below.

status string The stage of the call that failed.

message string A human-readable message describing the error. Not returned in mobile APIs.

details string Always returned. A customer facing error message for e-commerce UI, POS UI and/or customer email notifications.

HTTP status, code & details JSON element mapping

The `code` property may contain one of the following common possible values. Your apps should be prepared to handle any one of these errors.

HTTP Status Code	JSON Response - Code	JSON Response - Details
400	**400**	Reward could not be applied.
409	**409**	Email/phone already exists.
401	**1001**	Header does not contain X-Class-Signature.
401	**1002**	Header does not contain X-Class-Key
401	**1003**	Invalid user key.
401	**1004**	Signature is incorrect for request.
401	**1011**	Invalid access token.
401	**1012**	Invalid/expired refresh token. Refresh Token Expired.
Varying	**2000**	This is a generic error code. Some common errors that can cause this are: ● Invalid/unknown email (HTTP Status Code = 400) ● Member not found (HTTP Status Code = 404) ● Member id/password incorrect. (HTTP Status Code = 401) ● Error processing the request.

Example error response from the Order API (400 BAD REQUEST)

```
{
    "id": "123456",
    "code": 400,
```

```
    "status": "billed",
    "message": "Reward could not be applied. Please use a valid reward.",
    "details": "Reward could not be applied. Please use a valid reward."
}
```

Example mobile API error response (401 UNAUTHORIZED)

```json
{
    "code": 1003,
    "details": "Invalid user key"
}
```

API Reference

Members

A Spendgo member is a user who has entered into the Spendgo system by registering, providing their information on a Spendgo powered device or within an API integration, or has been manually uploaded by an Admin. The minimum data to become a member is also their unique identifier within the Spendgo network – their phone number. To retrieve a member, they must be linked to your account.

There are two types of members – Starter and Activated. Starter members have provided the minimum of their phone number, but have not completed the registration process at any account in the Spendgo network. An Activated member has provided their account with at least their phone, email, and password; they have also validated their email. Starter and Activated members are able to earn and redeem rewards as well as opt-in to messaging as defined by an account's specifications.

Guests are users who have not presented any identifying data to Spendgo and are not considered members and will not be trackable.

Server-to-server

Retrieve a member

Get any member's information after the OAuth 2.0 authentication process is completed.

HTTP request

```
GET https://webservice.<ENVIRONMENT>.com/oauth2/member/v1/get
```

Headers

Authorization The authentication token in the form of Bearer <token>

JSON body

None

Example request

```
curl -k -v -X GET -H 'Authorization: Bearer <ACCESS_TOKEN_FROM_AUTHN_CODE>'
'https://webservice.skuped.com/oauth2/member/v1/get'
```

Returns

Returns member details after a valid authentication.

JSON response

id string A unique identifier for the object.
first_name string Member's first name.
last_name string Member's last name.
email string Member's email address.
mobile_phone string Member's phone number.

Example response (200)

```
{
    "id": "123456",
    "first_name": "Jane",
    "last_name": "Smith",
    "email": "jane@example.com",
    "mobile_phone": "4155555555"
}
```

Create/Retrieve a member

Creates a new member associated to your account or retrieves the existing member using a phone number and/or email as the member's unique identifiers. A member phone number is the minimum requirement to create/retrieve a member.

When creating a new member and only the `phone` is posted to identify the account, a starter member (i.e. non-registered member) is created.

When creating a new member and the `phone`, `email` and `password` are provided, a registered member is created. If the email_verify is also set to true in the request, the customer will go through the email verification process.

HTTP request

```
POST https://webservice.<ENVIRONMENT>.com/loyalty/accounts
```

Headers

X-Class-Key	The API Key provided by Spendgo.
X-Class-Signature	The base-64 encoded message signature.
Content-Type	The value "application/json".

JSON body

customer object	Optional.
phone string	Required member's phone number.
email string	Optional member's email address.
name object	Optional.

first string Optional member's first name.

last string Optional member's last name.

password string Optional member's password in clear-text.

dob string Optional member's date of birth formatted as YYYY-MM-DD.

gender string Optional member's gender. Values are "m" or "f".

marital_status string Optional member's marital status. Values are "single", "married", "divorced", or "domestic partner".

address object Optional

street string Optional member's street address.

city string Optional member's city address.

state string Optional member's 2-letter state abbreviation address (e.g. CA).

zip string Optional member's zip code address.

country string Optional member's 2-letter country abbreviation (e.g. US).

sms_opt_in boolean Optional member's text subscription preference for your brand. Once the user has validated their account creation, they will be sent the text double opt-in flow to confirm their text subscription.

email_opt_in boolean Optional member's email marketing preference for your brand.

verify_email boolean Default value is "false". Fires email verification autoresponder when set to true.

Example request (with phone only)

```
curl -k -v -X POST -H 'X-Class-Key: test_spendgo_loyalty' -H
'X-Class-Signature: EMTNgEMeW/E32z/hIFDn1tTVQ017GLC4SiBHNWwRx9w=' -H
'Content-Type: application/json' -d '{"customer":{"phone":"9999999999"}}'
https://webservice.skuped.com/loyalty/accounts
```

Example request (with email verification)

```
curl -k -v -X POST -H 'X-Class-Key: test_spendgo_loyalty' -H
'X-Class-Signature: yl6ScIoPUT27tPdj6FcjA7wiR3oXCqAXSBGR3Cb3hTs=' -H
'Content-Type: application/json' -d
'{"customer":{"phone":"9999999999","email":"joe@example.com","name":{"last"
:"Smith","first":"Joe"},"password":"Password123","dob":"2000-01-01","gender
":"m","marital_status":"married","address":{"city":"San
Francisco","state":"CA","street":"3rd
Street","zip":"94107","country":"US"},"sms_opt_in":false,"email_opt_in":tru
e,"verify_email":true}}' https://webservice.skuped.com/loyalty/accounts
```

Returns

If the member already existed, a `200` success status is returned with their spendgo member id (`id`) and account.

If the member did not already exist, a `201` member created status is returned with the `id` and account `status` — the new member has been created.

If the member did not already exist and email validation is requested in the API call, a `202` status will be returned and the member is sent the email validation flow. Once validated the member is created in Spendgo.

When the email and phone combination do not match in our system, a `400` bad request response is returned informing you the email and phone already exist and are associated with different accounts.

JSON response

id string	Member's Spendgo unique identifier.
status string	Member's Spendgo account status. Value is "Active".

Example response (200)

```json
{
    "id": "6522",
    "status": "Active"
}
```

Example response (202)

```json
{
    "status":"WaitingEmailVerification"
}
```

Retrieve member balance

Get the member's rewards balance by their spendgo unique id. Includes their earnings, their rewards and their offers.

HTTP request

```
GET
https://webservice.<ENVIRONMENT>.com/loyalty/accounts/<SPENDGO_ID>/balance
```

Request path parameters

SPENDGO_ID string Member's Spendgo unique identifier. The id returned in the
/loyalty/accounts call.

Headers

X-Class-Key The API Key provided by Spendgo.

X-Class-Signature The base-64 encoded message signature.

Content-Type The value "application/json".

JSON body

None

Example request

```
curl -k -v -X GET -H 'X-Class-Key: test_spendgo_loyalty' -H
'X-Class-Signature: WOHmRE4Cynx+i051135xk2bhRm/LJUfEstFBif2JFXU=' -H
'Content-Type: application/json'
https://webservice.skuped.com/loyalty/accounts/494979/balance
```

Returns

Returns the member's available balance, rewards and offers. Responses will vary based on the rewards program type that is configured on the account-level. Only one rewards program type is configured per account at a time. To understand the responses correctly, you'll need to know the reward program types:

- **Points** programs earn points based on spend. A member earns a reward when they meet the set points threshold for the reward. Example: for every 100 points get $10 Off
- **Visits** programs earn visits based on a purchase. A member earns a reward when they meet the set visits threshold for the reward. Example: for every 10 visits get $10 Off
- **Points banking** programs earn points based on spend. A member can then use their points to redeem offers for points. Example: $10 for 100 points, $20 off for 200 points
- **Shop with points** programs earn points based on spend. A member can then redeem their points balance for a cash value. Example: 1,000 points balance is $10.00

See the various examples based on the reward program types below.

JSON response

quantity decimal The number of units in the member's account balance.	

spend_threshold decimal Optional reward threshold. This does not appear for "points banking" or "shop with points" programs because there is no spend_threshold.	

units string The unit measure of the program. Values are "points", "visits" or "stamps".	

label string The name of the reward.

rewards array List of available live rewards and offers.

currency string Optional three-letter ISO 4217 code.

offer string Discount type. Values are "rebate" for fixed dollar and open dollar discounts, "discount" for percentage off discounts, or "gift" for free items.

label string Member facing reward name.

value decimal Optional projected reward value.

next_expires_on string Optional the next offer expiring date. If there are multiple quantities of the same reward/offer, this value is the reward/offer expiring soonest (i.e. a first in first out basis). If there is no expiration, `next_expires_on` will not be present. Points banking tier offers do not have an expiration unless the tier is available for a limited time, and in this use case the offer tier end date will be displayed. It's important to understand the reward/offer rules defined for a brand when exposing these expirations dates to members.

points decimal Optional point value of a reward. For points banking programs only, where rewards are redeemed for points.

value_per_point decimal Optional point to cash conversion factor. For Shop with points programs only, where points are redeemed for cash.

reference object Optional POS reference for processing the reward.

type string Optional. Value is "promo".

code string Optional discount code linked to order processing.

quantity decimal This available reward count in the member's account. If the reward is not available (e.g. zero are available), it will not be returned.

Points program example response (200)

```json
{
    "quantity": 50.0,
    "units": "points",
    "spend_threshold": 100.0,
    "label": "$10 Off",
    "rewards": [
        {
            "currency": "USD",
            "offer": "Rebate",
            "label": "$10 Off",
            "value": 10.0,
            "next_expires_on": "2020-12-31",
            "reference": {
                "type": "promo",
                "code": "10OFF"
            },
            "quantity": 1.0
        }
    ]

}
```

Visits program example response (200)

```json
{
    "quantity": 5.0,
    "units": "visits",
    "spend_threshold": 10.0,
    "label": "$10 Off",
    "rewards": [
        {
            "currency": "USD",
            "offer": "Rebate",
            "label": "$10 Off",
            "value": 10.0,
            "next_expires_on": "2020-12-31",
            "reference": {
                "type": "promo",
                "code": "10OFF"
            },
```

Make every dollar you Spendgo further.

```
                    "quantity": 1.0
            }
        ]

}
```

Points banking program example response (200)

When a member does not have enough points in their account to redeem an offer tier, the points banking offer will show with a quantity of zero (0.0).

```
{
    "quantity": 2000.0,
    "units": "points",
    "label": "points banking",
    "rewards": [
        {
            "currency": "USD",
            "offer": "Rebate",
            "label": "$10 Off",
            "value": 10.0,
            "points": 1000.0,
            "reference": {
                "type": "promo",
                "code": "10OFF"
            },
            "quantity": 2.0
        },
        {
            "currency": "USD",
            "offer": "Rebate",
            "label": "$20 Off",
            "value": 20.0,
            "points": 2000.0,
            "reference": {
                "type": "promo",
                "code": "20OFF"
            },
            "quantity": 1.0
        },
        {
            "currency": "USD",
            "offer": "Rebate",
```

```
                    "label": "$30 Off",
                    "value": 30.0,
                    "points": 3000.0,
                    "reference": {
                            "type": "promo",
                            "code": "30OFF"
                    },
                    "quantity": 0.0
            }
        ]

    }
```

Shop with points program example response (200)

```
{
    "quantity": 2000.0,
    "units": "points",
    "label": "shop with points",
    "rewards": [
            {
                    "currency": "USD",
                    "offer": "Rebate",
                    "label": "Shop With Points",
                    "value": 20.0,
                    "points": 2000.0,
                    "value_per_point": 0.01,
                    "reference": {
                            "type": "promo",
                            "code": "SHOPWITHPOINTS"
                    }
            }
        ]

    }
```

Points program with various offer types example response (200)

Offers only display when they are available in the member's account, otherwise they will not be in the response.

```
{
```

```json
        "quantity": 0.0,
    "units": "points",
    "spend_threshold": 100.0,
    "label": "$10 Off",
    "rewards": [
        {
                "currency": "USD",
                "offer": "Rebate",
                "label": "$10 Off",
                "value": 10.0,
                "next_expires_on": "2020-12-31",
                "reference": {
                        "type": "promo",
                        "code": "10OFF"
                },
                "quantity": 1.0
        },
        {
                "currency": "USD",
                "offer": "Discount",
                "label": "10% Off",
                "value": 10.0,
                "next_expires_on": "2020-12-31",
                "reference": {
                        "type": "promo",
                        "code": "10PERCENT"
                },
                "quantity": 1.0
        },
        {
                "currency": "USD",
                "offer": "Gift",
                "label": "Free Dessert",
                "value": 0.0,
                "next_expires_on": "2020-12-31",
                "reference": {
                        "type": "promo",
                        "code": "FREEDESSERT"
                },
                "quantity": 1.0
        }
```

```
    ]

}
```

Retrieve member rewards by store

Get the member's rewards that are available for redemption at a particular store. The rewards and offers returned may vary depending on the store and the offer rules. Some offers may expire after being returned once if defined in the rules to do so.

The store location identifier — or `store_code` — query parameter is required in the request to return the correct redeemable rewards for a member at the specified store. `store_code` is required to be synchronized in Spendgo.

Often used for brands with multiple store locations who use targeted offers by store location.

HTTP request

```
GET
https://webservice.<ENVIRONMENT>.com/loyalty/accounts/<SPENDGO_ID>/rewards?
store=<STORE_CODE>
```

Request path parameters

SPENDGO_ID   string   Member's Spendgo unique identifier. The id returned in the /loyalty/accounts call.
STORE_CODE   string   the query parameter to retrieve redeemable rewards at that store location.

Headers

X-Class-Key The API Key provided by Spendgo.

X-Class-Signature	The base-64 encoded message signature.
Content-Type	The value "application/json".

Headers

X-Class-Key	The mobile API Key provided by Spendgo.
X-Class-Signature	The base-64 encoded message signature.
Content-Type	The value "application/json".

JSON body
None

Example request

```
curl -k -v -X GET -H 'X-Class-Key: test_spendgo_loyalty' -H
'X-Class-Signature: OtPDNqk+0MIhHIbMNxHbiX6OchbG8lHcGBpQ/Sa4AEE=' -H
'Content-Type: application/json'
https://webservice.skuped.com/loyalty/accounts/494979/rewards?store=999999
```

Returns
List of rewards and their quantities available for redemption. If there are no available rewards, the rewards value will be an empty array. For many offers the `reward.value` is to be taken as a projected value, the value is validated in the Order flow and the final value will be returned at that time.

JSON response

rewards array	List of available rewards.
id string A unique identifier for the object. When prefaced with a "P_" this indicates a [Points Banking & Shop With Points](#) program.	
currency string Optional three-letter ISO 4217 code.	

offer _string_	Discount type. Values are "rebate", "discount" or "gift".	
label _string_	Member facing reward name.	
value _decimal_	Optional projected reward value.	
reference _object_	Optional POS reference for processing the reward.	
type _string_	Optional. Value is "promo".	
code _string_	Optional discount code linked to order processing.	
quantity _integer_	The number of rewards that can be used.	

Example response (200)

```
{
    "rewards": [
        {
            "id": "2234402",
            "currency": "USD",
            "offer": "rebate",
            "label": "$5 Off",
            "value": 5,
            "reference": {
                "type": "promo",
                "code": "5OFF",
            }
            "quantity": 1
        }
    ]
}
```

Mobile

Retrieve a member status

Get any member's status by their account phone number or email address.

Use the Retrieve member status call in a sign up form to validate the phone number or email address does not already exist in the Spendgo system. If they already have an account, the app can direct the member to sign in.

HTTP request

```
POST https://my.<ENVIRONMENT>.com/mobile/gen/<WEB_CONTEXT>/v1/lookup
```

Request path parameters

WEB_CONTEXT string An environment and account specific web context. Provided by Spendgo.

Headers

X-Class-Key The mobile API Key provided by Spendgo.

X-Class-Signature The base-64 encoded message signature.

Content-Type The value "application/json".

JSON body

phone string Required if you are looking up by the member's phone number.

email string Required if you are looking up by the member's email address.

check_email_validated_status boolean Optional applicable only if you are looking up by the member's email address. Set value to `true` to check whether the user previously tried to create an account but did not validate their email to complete the registration process.

Example request by phone

```
curl -k -v -X POST -H 'Content-Type:application/json' -H
'X-Class-Key:test_spendgo_mob' -H 'X-Class-Signature:
mHmItoYzvsIdSOKb/HulWhv8GcTpzikZRiDoLmRIYCA=' -d '{"phone":"9999999999"}'
https://my.skuped.com/mobile/gen/partnerdemo/v1/lookup
```

Example request by email

```
curl -k -v -X POST -H 'Content-Type:application/json' -H
'X-Class-Key:test_spendgo_mob' -H 'X-Class-Signature:
JZoSPHJNGXASUkokXD6lOcrKI9o6/OFHNo6YJjETgCo=' -d
'{"email":"joe@example.com"}'
https://my.skuped.com/mobile/gen/partnerdemo/v1/lookup
```

Returns

Returns a 200 success with the status of a member's account and whether they are
linked-to-account — a member who is associated with the account your request is for. It is
possible for a member to exist as a Spendgo member and not be linked to your specific
account.

The status / linked_to_account response combinations define the member status in
relation to the Account your credentials target:

- **Activated / true** is a registered member with your account.
- **Activated / false** is a registered member in the Spendgo system associated with
  other accounts, but is not associated with the account your request is targeting.
- **StarterAccount / true** is a starter member with your account. This type of member
  does not need to register again, the [Sign in member](#) API can be used to link to your
  account.
- **StarterAccount / false** is a starter member in the Spendgo system associated with
  other accounts, but is not associated with the account your request is targeting.
- **NotFound** is a phone number or email address that does not exist in the Spendgo
  system.
- **InvalidEmail** is the response when a non-valid email address format is entered.
- **WaitingForEmailValidation** is a user who has not verified their email after
  registration — the Activated status is achieved after they validate their email. This is
  only returned when the check_email_validated_status is true.

JSON response

status string Member's Spendgo account status. Values are "StarterAccount" for starter members, "Activated" for registered members, "NotFound" for email address or phone number that is not found, "InvalidEmail" for when the email address is not in a valid format, or "WaitingForEmailValidation" for when the user who has not verified their email address after registration.

linked_to_account boolean Identifies whether the member is associated with your account.

Example response (200)

```json
{
    "status": "Activated",
    "linked_to_account": true
}
```

Create a member

Creates a member linked with your account.

If the phone number, email address, or both is already a registered Spendgo member, but not associated with your account, they will be linked to your account.

This API does not update any member details. Use the Update a member call to update member information.

HTTP request

```
POST https://my.<ENVIRONMENT>.com/mobile/gen/<WEB_CONTEXT>/v1/add
```

Request path parameters

WEB_CONTEXT string An environment and account specific web context. Provided by Spendgo.

Headers

X-Class-Key The mobile API Key provided by Spendgo.

X-Class-Signature The base-64 encoded message signature.

Content-Type The value "application/json".

JSON body

phone string Required member's phone number.

email string Required member's email address.

password string Required member's password.

first_name string Optional member's first name.

last_name string Optional member's last name.

dob string Optional member's date of birth formatted as YYYY-MM-DD.

gender string Optional member's gender. Values are "M" or "F".

marital_status string Optional member's marital status. Values are "Single", "Married", "Divorced", or "Domestic Partner".

street string Optional member's street address.

unit string Optional member's address unit.

city string Optional member's city name.

state string Optional member's 2-letter state abbreviation (e.g. CA)	

zip string Optional member's zip code.	

favorite_store_id integer Optional Spendgo unique identifier of the member's favorite store.	

sms_opt_in boolean Optional member's text subscription preference for your brand. If value is true, once the user has validated their account creation, they will be sent the text double opt-in flow to confirm their text subscription.	

email_opt_in boolean Optional member's email marketing preference for your brand.	

research_opt_in boolean Optional member's research survey opt-in preference.	

Example request

```
curl -k -v -X POST -H 'X-Class-Key: test_spendgo_mob' -H
'X-Class-Signature: pRdJtrtgqsGBBt6UDV5OHygVNGgRz4gBC/utbaplC8Q=' -H
'Content-Type:application/json' -d
'{"phone":"9999998888","email":"user9999998888@spendgo.com","password":"F@b
Pwd3%","first_name":"John","last_name":"Doe","username":"john.doe.7654","do
b":"1978-12-27","gender":"M","email_opt_in":false,"sms_opt_in":true,"street
":"1883 Landings Dr.","unit":"2332","city":"Mountain
View","state":"CA","zip":"94043","favorite_store_id":33627,"research_opt_in
":false}' https://my.skuped.com/mobile/gen/partnerdemo/v1/add
```

Returns

Returns a 200 status with the Spendgo id if the member is linked to your account. When a new account is created, a 202 status will be returned and the member is sent the email validation flow. Once the email is validated the member is successfully created. If the member was already linked to your account, a 400 error is returned. When both the phone number and email address in request are associated with two separate members, a 400 error is returned.

JSON response

id string Member's Spendgo unique identifier.

status string Member's account status values are "Active" for an active account, and "WaitingEmailVerification" is not yet an account waiting to be verified.

Example response (200)

```
{
    "id": "496472",
    "status": "Active"
}
```

Example response (202)

```
{
    "status": "WaitingEmailVerification"
}
```

Update a member

Modify the current signed in member and their preferences. An Authorization Token is required. At least the member's `phone number` and `spendgo_id` are required as the unique reference in the request. Both `phone number` and the `spendgo_id` cannot be updated.

HTTP request

```
POST https://my.<ENVIRONMENT>.com/mobile/gen/<WEB_CONTEXT>/v1/update
```

Request path parameters

WEB_CONTEXT string An environment and account specific web context. Provided by Spendgo.

Headers

X-Class-Key The mobile API Key provided by Spendgo.

X-Class-Signature The base-64 encoded message signature.

Content-Type The value "application/json".

Authorization The authentication token in the form of Bearer <token>

JSON body

phone string Required member's phone number. The phone number cannot be updated through the API.

spendgo_id string Required member's Spendgo unique identifier.

email string Optional member's email address.

password string Optional member's password.

first_name string Optional member's first name.

last_name string Optional member's last name.

dob string Optional member's date of birth formatted as YYYY-MM-DD.

gender string Optional member's gender. Values are "M" or "F".

marital_status string Optional member's marital status. Values are "Single", "Married", "Divorced", or "Domestic Partner".

street string Optional member's street address.

unit string Optional member's address unit.

city string Optional member's city name.

state string Optional member's 2-letter state abbreviation (e.g. CA)

zip string Optional member's zip code.

favorite_store_id integer Optional Spendgo unique identifier of the member's favorite store.

sms_opt_in boolean Optional member's text subscription preference for your brand. If updating to true, the member will be sent the text double opt-in flow to their mobile number. If updated to false, the member will receive a confirmed opt out message.

email_opt_in boolean Optional member's email marketing preference for your brand.

research_opt_in boolean Optional

email_validated boolean Default value is "false". A value of "true" indicates that the email address does not need to be validated.

Example request

```
curl -k -v -X POST -H 'X-Class-Key: test_spendgo_mob' -H
'X-Class-Signature: eFerm9ECPolJCPCg1P8Sp/DXNNr12HgTDsqGelBTYnQ=' -H
'Content-Type:application/json' -H 'Authorization:Bearer
42475b862a94951a063ac74e9d7961326842a8b57e2c3477ecf75463d529e1831bbdb7e12ec
a037812a0bf3165808e0c504691205e539575a9e0e0ac225551d4f0e79bb86b76cddc373d35
996f7b213826f7f1c2156319a08fb1b209e2682504337f2caadf905cddcf055f3e4e736b697
3b88a0d0e2976b346aca61d5d5953ba91f70ea640573468fe4c77fd92e2f67afe9df6677618
c7c2e7bdc71e227ebd9a' -d
'{"spendgo_id":"6522","phone":"9999999999","email":"joe@example.com","passw
ord":"J0ePwd#4q","first_name":"Joe","last_name":"Smithson","dob":"1990-12-1
4","gender":"M","email_opt_in":false,"sms_opt_in":true,"street":"2196 3rd
Street","unit":"1111","city":"San Francisco","state":"CA","zip":"94107"}'
https://my.skuped.com/mobile/gen/partnerdemo/v1/update
```

Returns

Returns an empty JSON with a `200` response when the update request succeeds. When an update request includes an email change, the member will be sent an email validation message to verify their new email address; the email address and any additional data changes within the same request will be updated once their new email address has been confirmed.

JSON response
Empty JSON

Example response (200)

```
{}
```

Retrieve member balance

Get the member's rewards balance by their spendgo unique id. An authorization token is required. Includes their earnings, their rewards and their offers.

HTTP request

```
GET https://my.<ENVIRONMENT>.com/mobile/gen/<WEB_CONTEXT>/v1/balance
```

Request path parameters

WEB_CONTEXT string An environment and account specific web context. Provided by Spendgo.

Headers

X-Class-Key The mobile API Key provided by Spendgo.

X-Class-Signature The base-64 encoded message signature.

Content-Type The value "application/json".

> **Authorization** The authentication token in the form of Bearer <token>

JSON body

> **spendgo_id** string Required member's Spendgo unique identifier.

Example request

Note: This is a working request only for points programs. Contact us for other rewards program type examples.

```
curl -k -v -X POST -H 'X-Class-Key: test_spendgo_mob' -H
'X-Class-Signature: LIjHlMcAybWWL+VlG6J4gKUzwG+AZQ92RyXbmi0ea70=' -H
'Content-Type: application/json' -H 'Authorization:Bearer
42475b862a94951a063ac74e9d7961326842a8b57e2c3477ecf75463d529e1831bbdb7e12ec
a037812a0bf3165808e0c504691205e539575a9e0e0ac225551d4f0e79bb86b76cddc373d35
996f7b213826f7f1c2156319a08fb1b209e2682504337f2caadf905cddcf055f3e4e736b697
3b88a0d0e2976b346aca61d5d5953ba91f70ea640573468fe4c77fd92e2f67afe9df6677618
c7c2e7bdc71e227ebd9a' -d '{"spendgo_id":"6522"}'
https://my.skuped.com/mobile/gen/partnerdemo/v1/balance
```

Returns

Returns the member's available balance, rewards and offers. Responses will vary based on the rewards program type that is configured on the account-level. Only one rewards program type is configured per account at a time. To understand the responses correctly, you'll need to know the reward program types:

- **Points** programs earn points based on spend. A member earns a reward when they meet the set points threshold for the reward. Example: for every 100 points get $10 Off
- **Visits** programs earn visits based on a purchase. A member earns a reward when they meet the set visits threshold for the reward. Example: for every 10 visits get $10 Off
- **Points banking** programs earn points based on spend. A member can then use their points to redeem offers for points. Example: $10 for 100 points, $20 off for 200 points
- **Shop with points** programs earn points based on spend. A member can then redeem their points balance for a cash value. Example: 1,000 points balance is $10.00

See the various examples based on the reward program types below.

JSON response

quantity decimal The number of units in the member's account balance.

spend_threshold decimal Optional reward threshold. This does not appear for "points banking" or "shop with points" programs because there is no spend_threshold.

units string The unit measure of the program. Values are "points", "visits" or "stamps".

label string The name of the reward.

rewards array List of available live rewards and offers.

    currency string Optional three-letter ISO 4217 code.

    offer string Discount type. Values are "rebate" for fixed dollar and open dollar discounts, "discount" for percentage off discounts, or "gift" for free items.

    label string Member facing reward name.

    value decimal Optional projected reward value.

    next_expires_on string Optional the next offer expiring date. If there are multiple quantities of the same reward/offer, this value is the reward/offer expiring soonest (i.e. a first in first out basis). If there is no expiration, `next_expires_on` will not be present. Points banking tier offers do not have an expiration unless the tier is available for a limited time, and in this use case the offer tier end date will be displayed. It's important to understand the reward/offer rules defined for a brand when exposing these expirations dates to members.

    points decimal Optional point value of a reward. For points banking programs only, where rewards are redeemed for points.

    value_per_point decimal Optional point to cash conversion factor. For Shop with points programs only, where points are redeemed for cash.

reference	object	Optional POS reference for processing the reward.
type	string	Optional. Value is "promo".
code	string	Optional discount code linked to order processing.
quantity	decimal	This available reward count in the member's account. If the reward is not available (e.g. zero are available), it will not be returned.

Example response (200)

```json
{
    "quantity":0.0,
    "spend_threshold":50.0,
    "Units":"points",
    "label":"$5 Off",
    "rewards":[
        {
            "currency":"USD",
            "offer":"rebate",
            "label":"$5 Off",
            "value":5.0,
            "quantity":1.0,
            "reference":{
                "Type":"promo",
                "code":"5OFF"
            }
        },
        {
            "currency":"USD",
            "offer":"Discount",
            "label":"10% off on Cold Beverages",
            "value":8.0,
            "next_expires_on":"2040-03-23",
            "quantity":1.0,
            "reference":{
            "type":"promo",
            "code":""
            }
        }
```

```
        ]
}
```

Sign in member

Retrieve the access token and a refresh token for a member once their authentication process is successful. The life of the access token is shorter than refresh token. Once the access token expires the client can use the refresh token to renew and get a fresh set of access token via the [Refresh token](#) API. If the refresh token is expired then the user has to login again.

HTTP request

```
POST https://my.<ENVIRONMENT>.com/mobile/gen/<WEB_CONTEXT>/v1/signin
```

Request path parameters

WEB_CONTEXT string An environment and account specific web context. Provided by Spendgo.	

Headers

X-Class-Key The mobile API Key provided by Spendgo.	
X-Class-Signature The base-64 encoded message signature.	
Content-Type The value "application/json".	

JSON body

value string Required member's email or phone number.	
password string Required member's password in clear text.	
device_id string Optional unique device ID to uniquely identify the member's device.	

os_name string Optional device operating system name. For example: iOS, Android.
os_version string Optional device operating system version. For example: Version 11.4 (Build 15F79), 10.0.
manufacturer string Optional device manufacturer details. For example: Samsung, Apple.

Example request

```
curl -k -v -X POST -H 'X-Class-Key: test_spendgo_mob' -H
'X-Class-Signature: e+GCpQ/FWwdFp2mCT95e6zY8ySAk+Hmja3zVqz0uAPc=' -H
'Content-Type: application/json' -d
'{"value":"9999999999","password":"J0ePwd#4q","device_id":"2fc4b5912826ad1"
,"os_name":"Android","os_version":"8.0","manufacturer":"Samsung"}'
https://my.skuped.com/mobile/gen/partnerdemo/v1/signin
```

Returns

Returns the token and refresh token details plus the `spendgo_id` on a `200` successful request. When the member is not found, a `404` response is returned with the 2000 code and error details. When the member id and/or password are invalid, a `401` response is returned with a 2000 code and its error details.

JSON response

spendgo_id string Member's Spendgo unique identifier.
access_token string The access token used for authorization and access to secured resources.
access_token_expires_in_sec integer The access token expiration time in seconds. The default duration is 600 seconds.
access_token_expires_on integer The access token expiration in unix time format.

refresh_token string The refresh token. Use the [Refresh token](#) API to renew your access token.

refresh_token_expires_in_sec integer The refresh token expiration time in seconds. The default duration is 60 days (i.e. 5184000 seconds).

refresh_token_expires_on integer The refresh token expiration in unix time format.

Example response (200)

```json
{
        "spendgo_id":"6522",
        "access_token":
"42475b862a94951a063ac74e9d7961326842a8b57e2c3477ecf75463d529e1831bbdb7e12e
ca037812a0bf3165808e0c504691205e539575a9e0e0ac225551d4f0e79bb86b76cddc373d3
5996f7b213826f7f1c2156319a08fb1b209e2682504337f2caadf905cddcf055f3e4e736b69
73b88a0d0e2976b346aca61d5d5953ba91f70ea640573468fe4c77fd92e2f67afe9df667761
8c7c2e7bdc71e227ebd9a",
        "access_token_expires_in_secs":600,
        "access_token_expires_on":1598961687681,
        "refresh_token":
"42475b862a94951a063ac74e9d7961326842a8b57e2c3477ecf75463d529e1831bbdb7e12e
ca037812a0bf3165808e0c504691205e539575a9e0e0ac225551d4f0e79bb86b76cddc373d3
5996f7b213826f7f1c2156319a08fb1b209e2682504337f2caadf905cddcf055f3e4e736b69
73b88a0d0e2976b346aca61d5d5953ba91f70ea640573468fe4c77fd92e2f67a6b6937420ec
19287b87acbe64e661ee635a8dde9a557b3ff47ad8f9bf83cb2d1",
        "refresh_token_expires_in_secs":5184000,
        "refresh_token_expires_on":1604145087681
}
```

Refresh Token

To refresh the expiry time of the access token before or after it has expired. The access token will be renewed by the defined access token renewal time period (default value being 600 seconds). The time for the refresh token is also renewed and the updated refresh token is also returned. After the tokens have been renewed the prior tokens are invalidated and the new tokens need to be used in subsequent calls.

HTTP request

```
POST
https://my.<ENVIRONMENT>.com/mobile/gen/<WEB_CONTEXT>/v1/signin/refreshtoke
n
```

Request path parameters

WEB_CONTEXT string An environment and account specific web context. Provided by Spendgo.

Headers

X-Class-Key The mobile API Key provided by Spendgo.

X-Class-Signature The base-64 encoded message signature.

Content-Type The value "application/json".

Authorization The refresh token in the form of Bearer <token>.

JSON body
Empty JSON

Example request

```
curl -k -v -X POST -H 'X-Class-Key: test_spendgo_mob' -H
'X-Class-Signature: /jrz1F0/G2NRUfM/esPsddxhvR4LxEnjO5/EBmL1qkg=' -H
'Content-Type: application/json' -H 'Authorization:Bearer
42475b862a94951a063ac74e9d796132ad882bdb139bda730074a759c59681180fdf6fc8a33
8b0971a9c4f531ecda50a5f7926634d74b219dc3bafc3c1328fe175f224201287ace64fbf6e
963d96e4cc26f7f1c2156319a08fb1b209e2682504337f2caadf905cddcf055f3e4e736b697
```

```
81fcb4b1ac5e760121e12928567dd387968b4a73509a2c71cb18c1032a4734c6b6937420ec1
9287b87acbe64e661ee635a8dde9a557b3ff47ad8f9bf83cb2d1' -d '{}'
https://my.skuped.com/mobile/gen/partnerdemo/v1/signin/refreshtoken
```

Response

A `200` successful request returns a new access token with a validity of 600 seconds and the refresh token duration is also refreshed to 60 days. When the refresh token is invalid a `401` response is returned.

JSON response

spendgo_id string Member's Spendgo unique identifier.

access_token string The access token used for authorization and access to secured resources.

access_token_expires_in_sec integer The access token expiration time in seconds. The default duration is 600 seconds.

access_token_expires_on integer The access token expiration in unix time format.

refresh_token string The refresh token. Use the [Refresh token](#) API to renew your access token.

refresh_token_expires_in_sec integer The refresh token expiration time in seconds. The default duration is 60 days (i.e. 5184000 seconds).

refresh_token_expires_on integer The refresh token expiration in unix time format.

Example response (200)

```
{
    "spendgo_id":"6522",
    "access_token":
"42475b862a94951a063ac74e9d796132633f1da2242e7043a24b363a66fb23a6f0fa44b8de
```

```
d328ee3c583ff547db08fcd83367626af4c0cc09c84689002c5ef3153f4ff21aaffe2c05d37
e0fa5d32df126f7f1c2156319a08fb1b209e2682504337f2caadf905cddcf055f3e4e736b69
0a5ff90f5bc4959b0fe953f98d5ccc8b3115a1f9912cd0a9d16be88d17cf5bddfe9df667761
8c7c2e7bdc71e227ebd9a",
        "access_token_expires_in_secs":600,
        "access_token_expires_on":1598962525821,
        "refresh_token":
"42475b862a94951a063ac74e9d796132633f1da2242e7043a24b363a66fb23a6f0fa44b8de
d328ee3c583ff547db08fcd83367626af4c0cc09c84689002c5ef3153f4ff21aaffe2c05d37
e0fa5d32df126f7f1c2156319a08fb1b209e2682504337f2caadf905cddcf055f3e4e736b69
0a5ff90f5bc4959b0fe953f98d5ccc8b3115a1f9912cd0a9d16be88d17cf5bdd6b6937420ec
19287b87acbe64e661ee635a8dde9a557b3ff47ad8f9bf83cb2d1",
        "refresh_token_expires_in_secs":5184000,
        "refresh_token_expires_on":1604145925821
}
```

Retrieve a member

Get any member's information after the member sign in is successful.

HTTP request

```
POST https://my.<ENVIRONMENT>.com/mobile/gen/<WEB_CONTEXT>/v1/get
```

Request path parameters

WEB_CONTEXT string An environment and account specific web context. Provided by Spendgo.

Headers

X-Class-Key The mobile API Key provided by Spendgo.

X-Class-Signature The base-64 encoded message signature.

Content-Type The value "application/json".

> **Authorization** The authentication token in the form of Bearer <token>.

Example request

```
curl -k -v -X POST -H 'X-Class-Key: test_spendgo_mob' -H
'X-Class-Signature: JO8hU9dPa04JFFGBsYYdHajpnQsj8VeGL6O8wPKJQ+g=' -H
'Content-Type: application/json' -H 'Authorization:Bearer
42475b862a94951a063ac74e9d796132b718896024a6678e32941bf94b9beb49837ef9c9639
8e5c022d2e5c44838a614a502ac10de8eea9f016868d359d4aa95103bb2a2bcf3c24b79d526
db18f4c98126f7f1c2156319a08fb1b209e2682504337f2caadf905cddcf055f3e4e736b693
87bd9b967454d9719cd1ad42274d5b93391e9a7c99646d85410e529f3ab24c4fe9df6677618
c7c2e7bdc71e227ebd9a' -d '{"phone":"9999999999"}'
https://my.skuped.com/mobile/gen/partnerdemo/v1/get
```

Returns
Returns member details after a valid authentication.

JSON body

> **merchant_id** integer The account unique identifier.

> **is_activated** boolean Identifies whether the member is registered.

> **spendgo_id** string The member's Spendgo unique identifier.

> **username** string The member's Spendgo generated unique username.

> **phone** string The member's phone number.

> **email** string The member's email address.

> **first_name** string The member's first name.

> **last_name** string The member's last name.

> **dob** string The member's date of birth formatted as YYYY-MM-DD.

gender string Optional member's gender. Values are "M" or "F". This element is not returned if the member has not defined it.

marital_status string Optional member's marital status. Values are "Single", "Married", "Divorced", or "Domestic partner".

street string The member's street address.

unit string The member's address unit.

city string The member's city name.

state string The member's 2-letter state abbreviation (e.g. CA).

zip string The member's zip code.

sms_opt_in boolean The member's text subscription preference for your brand. Once the user has validated their account creation, they will be sent the text double opt-in flow to confirm their text subscription.

email_opt_in boolean The member's email marketing preference for your brand.

favorite_store_id integer The Spendgo unique identifier of the member's favorite store.

favorite_store object The store details of the member's favorite store.

> **id** string The Spendgo unique identifier of the member's favorite store. This is the same as the favorite_store_id value.

> **code** string The store code of the member's favorite store.

> **name** string The store name of the member's favorite store.

> **street** string The street address of the member's favorite store.

city	string	The city name of the member's favorite store.
state	string	The 2-letter state abbreviation (e.g. CA) of the member's favorite store.
zip	string	The zip code of the member's favorite store.
longitude	decimal	The longitude of the member's favorite store.
latitude	decimal	The latitude of the member's favorite store.
hours	string	The store hours of the member's favorite store.
phone	string	The phone number of the member's favorite store.

consumer_meta_data object The member's additional metadata. The results can be account specific and may vary or be extended based on preferences.

addtl_info object The member's additional information. The results can be account specific and may vary or be extended based on preferences.

JSON response

```json
{
    "merchant_id": 33559,
    "is_activated": true,
    "spendgo_id": "6522",
    "username": "user999",
    "phone": "9999999999",
    "email": "joe@example.com",
    "first_name": "Joe",
    "last_name": "Smithson",
    "dob": "1990-12-14",
    "gender": "M",
    "marital_status": "Single",
    "street": "2196 3rd Street",
    "unit": "1111",
```

```
    "city": "San Francisco",
    "state": "CA",
    "zip": "94107",
    "sms_opt_in": true,
    "email_opt_in": false,
    "favorite_store_id": 33627,
    "favorite_store": {
        "id": 33627
        "code": "999999",
        "name": "Spendgo Demo Store",
        "street": "2196 3rd Street",
        "city": "San Francisco",
        "state": "CA",
        "zip": "94107",
        "longitude": -122.38888549804688,
        "latitude": 37.76190948486328,
        "hours": "",
        "phone": "4159065250",
    },
    "consumer_meta_data": [
        {
            "timestamp_created": "2020-08-26T07:15:05.000",
            "type_name": "spouse",
            "user_data": "1979-01-13",
            "label": "spouse",
            "type_category": "birthday",
            "type": "date"
        }
    ],
    "addtl_info": [
        {
            "sms_double_opt_in_status": "WaitingDoubleOptInConfirmation"
        }
    ]
}
```

Sign out member

Logs a member out of their account after having been signed in. An Authorization Token is required. The Authorization Token and the Refresh Token are invalidated after a successful Sign out call.

HTTP request

```
POST https://my.<ENVIRONMENT>.com/mobile/gen/<WEB_CONTEXT>/v1/signoff
```

Request path parameters

WEB_CONTEXT string An environment and account specific web context. Provided by Spendgo.

Headers

X-Class-Key The mobile API Key provided by Spendgo.

X-Class-Signature The base-64 encoded message signature.

Content-Type The value "application/json".

Authorization The authentication token in the form of Bearer <token>.

JSON body
Empty JSON

Example request

```
curl -k -v -X POST -H 'X-Class-Key: test_spendgo_mob' -H
'X-Class-Signature: 9h1YngNoyV88PFok9WJ+JT2orwvKNzdPjXeq5pVMIFg=' -H
'Content-Type: application/json' -H 'Authorization:Bearer
42475b862a94951a063ac74e9d796132302fddff8d90a80efbf71d07e6744ac79feb1b6c63c
3e9c97ed6e6fb1575af044cf9c70ac572ac75924b27f1fa8118703534322af28e35b4e7aba0
c5bde05ffb26f7f1c2156319a08fb1b209e2682504337f2caadf905cddcf055f3e4e736b691
d37781f7cfa4d09224cdf8525922ccbe375ad675b48e45c9305b05bef450babfe9df6677618
c7c2e7bdc71e227ebd9a' -d '{}'
https://my.skuped.com/mobile/gen/partnerdemo/v1/signoff
```

Returns
Returns an empty JSON with a `200` successful sign out response.

JSON response
Empty JSON

Example response (200)

```
{}
```

Reset member password

Triggers a reset password flow which sends an email with a reset password link to the member's account email address.

HTTP request

```
POST
https://my.<ENVIRONMENT>.com/mobile/gen/<WEB_CONTEXT>/v1/forgotPassword
```

Request path parameters

WEB_CONTEXT string An environment and account specific web context. Provided by Spendgo.

Headers

X-Class-Key The mobile API Key provided by Spendgo.

X-Class-Signature The base-64 encoded message signature.

Content-Type The value "application/json".

JSON body

email string Required member's email address.

Example request

```
curl -k -v -X POST -H 'X-Class-Key: test_spendgo_mob' -H
'X-Class-Signature: kknbue6hd6LSzN3fr9AKw9KvSjier3iZhCniB5MbSEU=' -H
'Content-Type: application/json' -d '{"email":"joe@example.com"}'
https://my.skuped.com/mobile/gen/partnerdemo/v1/forgotPassword
```

Returns

Returns an empty JSON with a 200 response when successful. When the email address is invalid or does not exist within Spendgo, a 400 bad request response is returned.

JSON response

Empty JSON

Example response (200)

```
{}
```

Events

Server-to-server

Orders

Posts a member's order at the various stages of their ordering workflow. Each stage in the ordering workflow has a corresponding order status to be inserted in the request.

These are some of the common ordering workflows:

- [Add Transaction Using Signed Requests](#)
- [Add Transaction With User-Authentication (OAuth2)](#)

HTTP request

```
POST
https://webservice.<ENVIRONMENT>.com/loyalty/accounts/<SPENDGO_ID>/orders
```

Request path parameters

SPENDGO_ID string Member's Spendgo unique identifier. The id returned in the /loyalty/accounts call. When the `spendgo_id` value is "guest" (i.e. .../loyalty/accounts/guest/orders) this is equivalent to an order made by a non-member or guest.

Headers

X-Class-Key The API Key provided by Spendgo.

X-Class-Signature The base-64 encoded message signature.

Content-Type The value "application/json".

JSON body

id string Optional order id generated by the commerce system. Required at or after the "placed" order status.

source string Required order source. Values are "web" for desktop, "mobileweb" for mobile web, "mobileapp" for mobile apps, or "instore" for in-store orders.

transaction string Optional when "refunded" status, this is an external reference sent from Spendgo at the "billed" or "completed" status.

status string Required order status. Values are "checkout", "placed", "billed", "completed", "voided", and "refunded".

type string Optional order type. Values are "regular" or "catering".

rendition string Optional. Values are "onsite", "pickup", or "delivery".

currency string Optional three-letter ISO 4217 code.

placed string Optional date-time formatted as YYYY-MM-DDTHH:MM:SSZ. This is when the order was created, but does not indicate when the order was paid or when the

customer receives the order. For example the order is placed on 3/1/2020 @ 10am to be picked up on 3/3/2020 @ noon.

wanted string Optional date-time formatted as YYYY-MM-DDTHH:MM:SSZ. This represents the time when the customer receives the order. For example, the order is placed on 3/1/2018 @ 10am to be picked up on 3/3/2018 @ noon.

vendor string Required store code.

brand string Required brand's unique Spendgo `account_id` provided by Spendgo.

subtotal decimal Required order subtotal — order cost before applying tax, tip, delivery, and discount.

tax decimal Optional order tax amount.

tip decimal Optional order tip amount.

delivery decimal Optional delivery cost.

discount decimal Optional discount amount. This is the sum of all discounts being applied to the cart.

total decimal Optional order total — the sum of subtotal, delivery, tip, tax, and discounts.

address array Optional customer's delivery address.

    street string Optional street address.

    cross string Optional cross street.

    city string Optional city.

    code string Optional zip code.

region string Optional region (a two-letter ISO 3166-2 code).

country string Optional country (a three-letter ISO 3166-1 code).

payments array Optional payment tender(s). Required for subsequent order states after "checkout".

tender string Optional payment method. Values are "cash", "check", "credit", "debit", "prepaid", "transfer", or "value".

issuer string Optional payment vendor. Values are "amex", "diners", "discover", "jcb", "mastercard", "paypal", or "visa".

suffix string Optional payment last four digits.

amount integer Optional amount allocated to this payment method.

basket array Required order details.

uuid string Optional ordering transaction identifier.

rewards array Optional. Corresponds to the reward discounts on the order.

provider string Optional. When redeeming a reward, the required value is "Spendgo".

id string Optional. When redeeming a reward, the required value is the corresponding id returned in the [Retrieve member rewards by store](#) request.

level string Optional. When redeeming a reward, the value is "basket".

product string Optional product item SKU.

discount decimal Optional. This is required when redeeming a reward. When the order status is "checkout", the value is the reward.value returned in the [Retrieve member rewards by store](#) request. The response will include the validated discount value — you will use the validated value in subsequent order calls.

posEntries array Required order items.

posItem array Required item details.

product string Optional item product identifier.

modifiers array Optional modifications or add-ons to an item.

product string Optional modifier product identifier.

modifiers array Optional modifications or add-ons to a modifier.

label string Optional item modifier name. Required when a modifier is present.

cost decimal Optional item modifier cost value. Required when a modifier is present.

categories array Optional modifier categories.

quantity integer Optional quantity of modifier added to item. Required when a modifier is present.

label string Required item name.

cost decimal Required item unit cost value.

categories string Optional item categories.

quantity integer	Required item quantity added to order.	

Example request

```
curl -k -v -X POST -H 'X-Class-Key: test_spendgo_loyalty' -H
'X-Class-Signature: HG4+uMDAjBpESYM0ISfHdPzALQQ7Fd2W141MVJATmbY=' -H
'Content-Type: application/json' -d
'{"id":"988654417","source":"web","transaction":null,"status":"checkout","t
ype":"regular","rendition":"delivery","currency":null,"placed":"2020-01-01T
12:00:00Z","wanted":"2020-01-01T13:00:00Z","vendor":"999999","brand":"33559
","subtotal":10,"tax":0.1,"tip":0,"delivery":0,"discount":5,"total":5.1,"ad
dress": [{"street":"123 Street","cross":"","city":"San Francisco",
"region":"CA","code":94107,"country":"USA"}],
"payments":{"tender":"credit","issuer":"visa","suffix":"1234","amount":5.1}
,"basket":{"uuid":"472b564f-ae72-49ac-91cb-f177e21216f8",
"rewards":[{"provider":"Spendgo","id":"2234402","level":"basket","product":
"0","discount":5}],"posEntries":[{"posItem":{"product":"1082","cost":5,"cat
egories":null,"label":"Turkey Sandwich"},"quantity":2}]}}'
https://webservice.skuped.com/loyalty/accounts/494979/orders
```

Returns

When the order status is checkout, the response returns the final reward discount value that has been validated against the items within the order submitted. In most cases you will use this final value as the reward value to be discounted from the order. Only a Shop With Points reward — identified by a reward.id prefixed with a "P_" — can be equal to or less than the returned value because the member can redeem all or some of the value.

When the order status is billed, the successful response returns the transaction.id and status.

JSON response

transaction object		
id string	Optional order identifier created in status "billed" order.	
discount decimal	The validated reward discount value.	

status string The status of the order that was passed in the request, will be returned in the response.
message string Optional. If there is an error applying a reward to the order in the checkout stage, this will contain a customer-facing error message.

Example response (200)

```
{
    "transaction": {
        "discount": 5.00,
        "status": "checkout"
    }
}
```

Account

Mobile

Retrieve stores

Get a list of that account's nearby stores based on the distance from a zip code or the latitude and longitude combination.

HTTP request

```
GET https://my.<ENVIRONMENT>.com/mobile/gen/<WEB_CONTEXT>/v1/nearestStores
```

Request path parameters

WEB_CONTEXT   string   An environment and account specific web context. Provided by Spendgo.

Headers

X-Class-Key	The mobile API Key provided by Spendgo.
X-Class-Signature	The base-64 encoded message signature.
Content-Type	The value "application/json".

JSON body

zip	string	Optional 5-digit postal code.
distance	integer	Optional. The distance in miles from zip or longitude and latitude.
latitude	integer	Optional latitude. Always use latitude in combination with longitude.
longitude	integer	Optional longitude. Always use latitude in combination with longitude.
country	string	Optional. 2-letter country code e.g. "US"

Example request by zip code

```
curl -k -v -X POST -H 'X-Class-Key: test_spendgo_mob' -H
'X-Class-Signature: Mp8l4fuH8hm6K/0EZxzKERT5f/l+3hP6urLITyf9XZk=' -H
'Content-Type: application/json' -d '{"zip":"94107","distance":50}'
https://my.skuped.com/mobile/gen/partnerdemo/v1/nearestStores
```

Example request by longitude/latitude

```
curl -k -v -X POST -H 'X-Class-Key: test_spendgo_mob' -H
'X-Class-Signature: /LoNDdIQeKiC2UXxE0lZxTfXmMkYhFQpFyn88GhiTVA=' -H
'Content-Type: application/json' -d
'{"latitude":30.59437370300293,"longitude":-88.16300964355469}'
https://my.skuped.com/mobile/gen/partnerdemo/v1/nearestStores
```

Returns

Returns a list of stores on a `200` successful request. When the `zip` or `longitude/latitude` are provided with the `distance`, the response returns a filtered list of only stores within the distance in miles of the specified location. If there are no stores nearby the next 20 store locations nearest the defined location will be returned without the distance restriction.

JSON response

stores array List of stores.

id integer The Spendgo unique identifier of the store.

name string The store name stored in Spendgo.

code string The store code stored in Spendgo.

street string The street address of the store.

city string The city name of the store.

state string The 2-letter state abbreviation (e.g. CA) of the store.

zip string The zip code of the store.

phone string The phone number of the store.

hours string The hours of the store.

latitude decimal The latitude of the store.

longitude decimal The longitude of the store.

Example response (200)

```
[
    {
```

```
            "id":33627,
            "name":"Spendgo Demo Store",
            "code":"999999",
            "street":"2196 3rd Street",
            "city":"San Francisco",
            "state":"CA",
            "zip":"94107",
            "phone":"4159065250",
            "hours":"",
            "latitude":37.76190948486328,
            "longitude":-122.38888549804688
        }
]
```