

# **Checkout API Specification**

Version 2.3.1

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# 1. Get Redeemable Campaigns API

Description: Query redeemable campaigns for the Checkout account.

## URL Structure

Method	URL
GET	<code>https://api.pass2u.net/v2/checkout/models/{modelId}/campaigns?account={checkoutAccount}</code>

## Path Variables

Name	Type	Required	Description
<code>modelId</code>	string	Yes	The unique ID of the model to be queried.

## Query Parameters

Name	Type	Required	Description
<code>checkoutAccount</code>	string	No	Indicates which Checkout account to query. The default value is 'admin'.

## HTTP Request Header

***x-api-key:*** {API Key}

***Accept:*** application/json

## HTTP Request Body

none

## HTTP Response Header

**Content-Type:** *application/json*

## HTTP Response Body

Returns an HTTP status of 200 with JSON array payload which contains redeemable campaign information about the Checkout account

```
[
  {
    "id": 381,
    "name": "Get 10% discount"
  },
  {
    "id": 382,
    "name": "Get a cup of drink"
  }
]
```

## Payload Parameters

Name	Type	Description
id	string	Campaign ID.
name	boolean	Campaign name.

Or returns an HTTP status of 400 with JSON payload if the redeemable campaign query of the barcode is not successful.

```
{
  "errorCode": 5001,
  "errorMessage": "The model ID does not exist or is not allowed to access.",
}
```

## Error Payload Parameters

Name	Type	Description
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<b>errorCode</b>	integer	Error code to indicate the error reason type. Please see <b>6. Error Codes and Messages</b> for the details.
<b>errorMessage</b>	string	Error message to describe the reason. Please see <b>6. Error Codes and Messages</b> for the details.

## 2. Redeem Barcode API

Description: Redeem the barcode for the given campaign. The barcode can be redeemed successfully only during its valid time interval for the campaign if it has.

### URL Structure

Method	URL
POST	<code>https://api.pass2u.net/v2/checkout/models/{modelId}/campaigns/{campaignId}/barcodes/{barcode}/records?account={checkoutAccount}</code>

### Path Variables

Name	Type	Required	Description
<b>modelId</b>	string	Yes	The unique ID of the specified model.
<b>campaignId</b>	integer	Yes	The campaign ID which the barcode belongs to.
<b>barcode</b>	string	Yes	The barcode to be redeemed. It must be URL encoded to avoid illegal characters.

### Query Parameters

Name	Type	Required	Description
<b>checkoutAccount</b>	string	No	Indicates which Checkout account redeems the barcode. The default value is 'admin'.

### HTTP Request Header

**x-api-key:** {API Key}

**Accept:** application/json

## HTTP Request Body

none

## HTTP Response Header

**Content-Type:** application/json

**Location:** the url to unredeem the barcode if allowed for the checkout account

## HTTP Response Body

Returns an HTTP status of 200 with JSON payload if the barcode is redeemed successfully.

```
{
  "passId": "T2bzXfEuEFXx",
  "barcode": "123456",
  "unredeemable": true,
  "redeemedAt": "2019-12-12T08:00:00+00:00"
}
```

## Payload Parameters

Name	Type	Description
passId	string	The ID of the pass contains the barcode.
barcode	string	The barcode to be redeemed.
unredeemable	boolean	true if the checkout account can cancel the redemption.
redeemedAt	string	The redemption date of the barcode in ISO 8601 format such as 2019-12-12T08:00:00+00:00.

Or returns an HTTP status of 400 with JSON payload if the barcode is not redeemed successfully.

```
{  
  "errorCode": 5001,  
  "errorMessage": "The model ID does not exist or is not allowed to access.",  
}
```

### Error Payload Parameters

Name	Type	Description
errorCode	integer	Error code to indicate the error reason type. Please see <b>6. Error Codes and Messages</b> for the details.
errorMessage	string	Error message to describe the reason. Please see <b>6. Error Codes and Messages</b> for the details.

### 3. Unredeem Barcode API

Description: Unredeem the barcode for the given campaign. The barcode can be unredeemed successfully only during the its valid time interval for the campaign if it has.

#### URL Structure

Method	URL
DELETE	<code>https://api.pass2u.net/v2/checkout/models/{modelId}/campaigns/{campaignId}/barcodes/{barcode}/records?account={checkoutAccount}</code>

#### Path Variables

Name	Type	Required	Description
<b>modelId</b>	string	Yes	The unique ID of the specified model.
<b>campaignId</b>	integer	Yes	The campaign ID which the barcode belongs to.
<b>barcode</b>	string	Yes	The barcode to be queried. It must be URL encoded to avoid illegal characters.

#### Query Parameters

Name	Type	Required	Description
<b>checkoutAccount</b>	string	No	Indicates which Checkout account unredeems the barcode. The default value is 'admin'.

#### HTTP Request Header



**x-api-key:** {API Key}

**Accept:** application/json

## HTTP Request Body

none

## HTTP Response Header

**Content-Type:** application/json

## HTTP Response Body

Returns an HTTP status of 200 with JSON payload if the barcode is unredeemed successfully.

```
{
  "passId": "T2bzXfEuEFXx",
  "barcode": "123456",
  "unredeemedAt": "2019-12-12T08:00:00+00:00"
}
```

## Payload Parameters

Name	Type	Description
passId	string	The ID of the pass contains the barcode.
barcode	string	The barcode to be unredeemed.
unredeemedAt	string	The unredeemption date of the barcode in ISO 8601 format such as 2019-12-12T08:00:00+00:00.

Or returns an HTTP status of 400 with JSON payload if the barcode is not unredeemed successfully.

```
{
  "errorCode": 5001,
  "errorMessage": "The model ID does not exist or is not allowed to access.",
}
```

}


### Error Payload Parameters

Name	Type	Description
<b>errorCode</b>	integer	Error code to indicate the error reason type. Please see <b>6. Error Codes and Messages</b> for the details.
<b>errorMessage</b>	string	Error message to describe the reason. Please see <b>6. Error Codes and Messages</b> for the details.

## 4. Customize Campaign Barcodes API

Description: specify barcodes for a Checkout one-time redemption campaign. The campaign has to be set as “Only selected barcodes (use API or import CSV to specify)” when creation. Please note maximum 1,000 barcodes can be sent in one request.

< **One-time Campaign Setting**



You have not created any Checkout Account yet.

**Redeemable Barcodes (the setting can not be changed once the campaign is created)**

All barcodes

Only selected barcodes (use API or import CSV to specify)

### URL Structure

Method	URL
POST	<a href="https://api.pass2u.net/v2/checkout/models/{modelId}/campaigns/{campaignId}/barcodes">https://api.pass2u.net/v2/checkout/models/{modelId}/campaigns/{campaignId}/barcodes</a>

### Path Variables

Name	Type	Required	Description
modelId	string	Yes	The unique ID of the specified model.
campaignId	integer	Yes	The unique ID of the campaign to be specified barcodes.

## HTTP Request Header

**x-api-key:** {your API key}

**Accept:** application/json

**Content-Type:** application/json

## HTTP Request Body

An JSON array contains valid barcodes.

```
{
  "barcodes": [
    "barcode1",
    "barcode2",
    "barcode3",
    "barcode4"
  ]
}
```

## Payload Parameters

Name	Type	Required	Description
barcodes	string array	Yes	Barcodes to be added into the campaign.

## HTTP Response Header

**Content-Type:** application/json

## HTTP Response Body

Returns an HTTP status of 200 with JSON payload if the operation is successful.

```
{
  "numOfBarcodes": 1,
  "invalidBarcodes": ["12345", "67890"],
}
```

```
"numOfInvalidBarcodes": 2
}
```

## Payload Parameters

Name	Type	Description
<b>numOfBarcodes</b>	integer	The number of barcodes to be added.
<b>invalidBarcodes</b>	string array	A string array to list all invalid barcodes.
<b>numOfInvalidBarcodes</b>	integer	The number of invalid barcodes.

Or returns an HTTP status of 400 with JSON payload if the barcode is not redeemed successfully.

```
{
  "errorCode": 5001,
  "errorMessage": "The model ID does not exist or is not allowed to access.",
}
```

## Error Payload Parameters

Name	Type	Description
<b>errorCode</b>	integer	Error code to indicate the error reason type. Please see <b>6. Error Codes and Messages</b> for the details.
<b>errorMessage</b>	string	Error message to describe the reason. Please see <b>6. Error Codes and Messages</b> for the details.

## 5. Delete Customized Campaign Barcode API

Description: delete the assigned barcode for a Checkout one-time redemption campaign. The campaign has to be set as “Only selected barcodes (use API or import CSV to specify)” when creation. Please note the barcodes can’t be deleted from the campaign once being redeemed.

### URL Structure

Method	URL
DELETE	<code>https://api.pass2u.net/v2/models/{modelId}/{campaigns}{campaignId}/barcodes/{barcode}</code>

### Path Variables

Name	Type	Required	Description
<code>modelId</code>	string	Yes	The unique ID of the specified model.
<code>campaignId</code>	integer	Yes	The unique ID of the campaign to be specified barcodes.
<code>barcode</code>	string	yes	The barcode to be deleted.

### HTTP Request Header

***x-api-key:*** `{your API key}`

***Accept:*** `application/json`

### HTTP Request Body

none

## HTTP Response Header

**Content-Type:** *application/json*

## HTTP Response Body

returns an HTTP status of 200 if the operation is successful or status of 400 with JSON payload if the barcode is not deleted successfully.

```
{  
  "errorCode": 5001,  
  "errorMessage": "The model ID does not exist or is not allowed to access.",  
}
```

## Error Payload Parameters

Name	Type	Description
errorCode	integer	Error code to indicate the error reason type. Please see <b>6. Error Codes and Messages</b> for the details.
errorMessage	string	Error message to describe the reason. Please see <b>6. Error Codes and Messages</b> for the details.

## 6. Callback to Redemption Report URL

When you redeem or unredeem a pass of a one-time redemption campaign and it is not performed by API, you can get the notification by HTTP POST if the Redemption Report URL is specified. You can assign redeem/unredeem report URL in the one-time redemption campaign editing page.

< **One-time Campaign Settings**

2018-12-04 17:17:00 ~ End

**Checkout Accounts**

Choose existing or create new accounts to use with Pass2U Checkout Service to redeem passes.

Choose Create Import

Account	Password	Store Name		
1	1	test2	Authority	Delete

**Redeemable Barcode List**

All barcodes

Specified barcodes (API only)

**Redemption Report URL**

https://webhook.site/70bd235b-64ff-4ab8-8f0d-0485dccf3584

Cancel Save

### URL Structure

Method	URL
POST	Your redemption report URL (HTTPS is required) and it will be invoked by Pass2U

### HTTP Response Header

**Content-Type:** application/json

### HTTP Response Body

Returns an HTTP status of 200 with JSON payload



```

{
  "modelId": 4677,
  "passId": "hjsbYoePWYgpG",
  "barcodeMessage": "123456",
  "campaignId": "1911",
  "campaignName": "To get a free drink",
  "redeemedAt": "2018-12-10T18:25:55+08:00",
  "checkoutAccount": "abc",
  "storeNo": "test"
}

```

## Payload Parameters

Name	Type	Description
modelId	integer	The unique ID of the specified model.
campaignId	integer	The unique ID of the campaign.
campaignName	string	The name of the specified campaign
passId	string	The unique ID of the created pass.
barcodeMessage	string	Redeemed or unredeemed barcode.
checkoutAccount	string	Identify which account redeems or unredeems the pass.
storeNo	string	Store number of the Checkout account.
redeemedAt	string	The date and time when the pass is redeemed in ISO 8601 format.
unredeemedAt	string	The date and time when the pass is unredeemed in ISO 8601 format.

## 7. Error Codes and Messages (Updated)

Name	Description
5001	The model ID does not exist or is not allowed to access.
5002	The campaign ID does not exist or is not allowed to access.
5003	The Checkout account does not exist.
5004	The Checkout account is not allowed to redeem barcodes of the campaign.
5005	The Checkout account is not allowed to unredeem barcodes of the campaign.
5006	The barcode is not redeemed.
5007	The barcode is redeemed already.
5008	The barcode does not exist.
5009	The pass is voided.
5010	The pass is expired.
5011	The campaign does not start yet.
5012	The campaign ends already.
5013	The barcode is not included in the campaign.
5014	“The barcode can be redeemed only after yyyy-MM-ddTHH:mm:ssZ” or “The barcode can be redeemed only before yyyy-MM-ddTHH:mm:ssZ”
5015	Barcodes of the campaign is not allowed to customize.