Developers

AuthorizationReversalRequest Class ☰

Apex Reference Guide / **CommercePayments Namespace** / AuthorizationReversalRequest Class

AuthorizationReversalRequest Class

Sends information about an authorization reversal request to a gateway adapter during a service call.

Namespace

CommercePayments

Example

Add your reversal classes to your payment gateway adapter. We recommend adding `AuthorizationReversal` as a possible requestType value when calling processRequest on the gateway's response.

```
global commercepayments.GatewayResponse processRequest(commercepayments.paymentGateway
        commercepayments.RequestType requestType = gatewayContext.getPaymentRequestTyp
        commercepayments.GatewayResponse response;

        try {
        //add other requestType values here
        //..
        else if (requestType == commercepayments.RequestType.AuthorizationReversal) {
                response = createAuthReversalResponse((commercepayments.AuthorizationF

        return response;
```

Then, add a class that sets the amount of the authorization reversal request, as well as gateway information and the Salesforce result code.

```
global commercepayments.GatewayResponse createAuthReversalResponse(commercepayments.Au
        commercepayments.AuthorizationReversalResponse authReversalResponse = new comm
        if(authReversalRequest.amount!=null )
        {
            authReversalResponse.setAmount(authReversalRequest.amount);
        }
        else
        {
            throw new SalesforceValidationException('Required Field Missing : Amount'
        }

        system.debug('Response - success');
        authReversalResponse.setGatewayDate(system.now());
        authReversalResponse.setGatewayResultCode('00');
        authReversalResponse.setGatewayResultCodeDescription('Transaction Normal');
        authReversalResponse.setGatewayReferenceNumber('SF'+getRandomNumber(6));
        authReversalResponse.setSalesforceResultCodeInfo(SUCCESS_SALESFORCE_RESULT_COD
        return authReversalResponse;
        }
```

- **AuthorizationReversalRequest Constructors**
- **AuthorizationReversalRequest Properties**

The following are constructors for `AuthorizationReversalRequest`.

- **AuthorizationReversalRequest(amount, authorizationId)**
  Constructor for building the amount in an authorization reversal request. This constructo
  is intended for test usage and throws an exception if used outside of the Apex test
  context.

AuthorizationReversalRequest(amount, authorizationId)

Constructor for building the amount in an authorization reversal request. This constructor is
intended for test usage and throws an exception if used outside of the Apex test context.

Signature

```
global AuthorizationReversalRequest(Double amount, String authorizationId)
```

Parameters

amount

Type: Double

The amount of the authorization reversal request.

authorizationId

Type: String

The authorization request to be reversed.

AuthorizationReversalRequest Properties

The following are properties for `AuthorizationReversalRequest`.

- **accountId**
  References the customer account for the transaction where the authorization reversal wa
  performed.
- **amount**
  The total amount of the authorization reversal request. Can be positive or negative.
- **paymentAuthorizationId**
  References the payment authorization to be reversed.

accountId

References the customer account for the transaction where the authorization reversal was
performed.

Signature

```
global String accountId {get; set;}
```

Property Value

Type: String

amount

The total amount of the authorization reversal request. Can be positive or negative.

Signature

```
global Double amount {get; set;}
```

paymentAuthorizationId

References the payment authorization to be reversed.

Signature

```
global String paymentAuthorizationId {get; set;}
```

Property Value

Type: String

AuthorizationReversalRequest Methods

The following are methods for `AuthorizationReversalRequest`.

- **equals(obj)**
  Maintains the integrity of lists of type `AuthorizationReversalRequest` by determining the equality of external objects in a list. This method is dynamic and based on the equals method in Java.

- **hashCode()**
  Maintains the integrity of lists of type `AuthorizationReversalRequest` by determining the uniqueness of the external object in a list.

- **toString()**
  Converts a date to a string.

equals(obj)

Maintains the integrity of lists of type `AuthorizationReversalRequest` by determining the equality external objects in a list. This method is dynamic and based on the equals method in Java.

Signature

```
global Boolean equals(Object obj)
```

Parameters

obj

  Type: Object

  External object whose key is to be validated.

Return Value

Type: Boolean

hashCode()

Maintains the integrity of lists of type `AuthorizationReversalRequest` by determining the uniquer of the external object in a list.

Signature

```
global Integer hashCode()
```

Return Value

Type: Integer

toString()

Return Value

Type: String

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