



CLEARGATE

Pay Now iFrame User Guide

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2	02/07/19	Husain Tazarvi	clr-isform and CustomStyle
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Introduction

Pay Now iFrame is a UI component which allows for the simple integration of Pay Now Buttons into a website which generate secure payment forms to collect customer payment information. The information collected includes customer first and last name, card number, cvv code, expiration date, and billing information. This will allow you to process transactions for your customers without having to handle sensitive customer data.

Requirements

Request an API key

1. Create a ClearGate merchant account
2. Request a Pay Now API key

HTTPS Requirements

All request submissions of payment information using the Pay Now iFrame are made via HTTPS connections. The page containing the ClearGate payment form must also be served over HTTPS.

Usage

Generate a Pay Now Button

1. Add Integration Script

To get started, add the Pay Now iFrame integration script to the html webpage inside the <body> element. Fill in the attribute fields as required. See **Script Attributes** for more details.

```
<script src="https://vtp1.cleargate.com/Cleargate/clearpay.js" class="clear-pay"
clr-apikey="API_KEY" clr-amount="TRN_AMOUNT" clr-detail="TRN_DETAILS"
clr-isform="false"></script>
```

Script Attributes

- **clr-apikey**

The API key assigned to you at the time of your cleargate merchant account creation. This key is used as security credentials for authenticating your account.

- **clr-amount**

The transaction amount. The value must be an integer and is the smallest currency unit. For USD the smallest currency unit is cents. Therefore, the value represented in the iFrame will be the amount divided by 100. Amounts should be entered as shown below.

Amount	Representation in iFrame
100000	\$1,000.00
1000	\$10.00
5055	\$50.55
5	\$0.05
05	\$0.05
50	\$0.50

- **clr-detail**

The details of the transaction or product.

- **clr-isform**

Determines whether the secure payment form is loaded directly to the page or through a Pay Now button. When the value is set to “true”, the payment form is loaded directly to the page. When the value is set to “false”, a pay now button is loaded to the page which will load the payment form when selected.

2. Create a Div Element

The Pay Now iFrame script loads the Pay Now button and secure payment form into a <div> element with the id **clear-pay**. Include this <div> element in the <body> section of the webpage.

```
<div id="clear-pay"></div>
```

3. Handle iFrame response

After a transaction is processed from the iFrame, a response message containing information on the transaction is returned to the client page via postMessage in the form of a JavaScript object. Adding the following javascript in the <body> section of the webpage after the clear-pay <div> element will receive the response message, verify it came from a qualified domain, and print it to the client console. This is optional and you can choose to handle the response in another manner or not at all. For a list of response codes, see [Response Codes and Response Text](#).

```

<script language = "javascript">

//receive response from iFrame
var eventMethod = window.addEventListener ? "addEventListener" : "attachEvent";
var eventer = window[eventMethod];
var messageEvent = eventMethod == "attachEvent" ? "onmessage" : "message";

// Listen to message from child window
eventer(messageEvent,function(event) {
    //only accept messages from the source domain in the above script tag
    if(event.origin.valueOf() == "https://vtpl.cleargate.com"){
        //results from transaction
        var res = event && event.data;

        alert(JSON.stringify(res));
        console.log(JSON.stringify(res));
    }else{
        console.log('message received but not from qualified domain');
    }
},false);
</script>

```

Example Response:

```

{
  "TRANSACTION_AMOUNT":"101",
  "CURRENCY":"USD",
  "CUSTOMER_BILLING_ADDRESS1":"5120 Some St.",
  "CUSTOMER_DATA_FIELD":"last_four_digits_of_card",
  "CARD_TYPE":"Discover",
  "CUSTOMER_BILLING_ADD_CITY":"Reno",
  "TRANSACTION_DATE_TIME":"Wed Oct 10 09:30:15 PDT 2018",
  "CUSTOMER_FIRST_NAME":"first_name",
  "CUSTOMER_EMAIL_ID":"cust.email@domain.com",
  "TRANSACTION_ID":"2147",
  "CUSTOMER_LAST_NAME":"last_name",
  "CUSTOMER_BILLING_ADD_STATE":"Nevada",
  "RESPONSE_TEXT":"SUCCESS",
  "CUSTOMER_BILLING_ADD_ZIP":"89507",
  "RESPONSE_CODE":"00"
}

```

4. Apply Style Properties

The Pay Now Button and the Payment iFrame elements are loaded into the **clear-pay** <div> element and therefore can be styled to fit the page layout. Custom styling can also be applied to the Payment Form via a javascript variable named **CustomStyle**. This variable still needs to be included even if no custom styling is provided and the default style is preferred.

Pay Now Button and the Payment iFrame

To customize the Pay Now Button and the Payment iFrame, add the following CSS either internally defined in the <head> section within a <style> element, or add it externally by adding a link in the <head> section to a css file where the styles are kept. Alter the styles as needed.

```
.PayNowButton {
    background-color: #3976ba;
    color: white;
    border: none;
    padding: 5px;
    width: 200px;
    text-align: center;
    text-decoration: none;
    display: inline-block;
}
.paymentIframe {
    position: absolute;
    top: 0;
    left: 0;
    width: 100%;
    height: 100%;
}
```

Payment Form

The following **CustomStyle** javascript variable must be included in the page either directly enclosed in a <script> tag or from an external javascript file. The following is the basic structure of the script variable.

```
var CustomStyle = {
    "children": {},
    "attributes": {}
};
```

The **children** property of the **CustomStyle** object contains multiple name:value pairs where the name is the selector for the element(s) to apply style properties to and the value contains an **attributes** property which contains the styling properties. The following example contains the most common selectors for the Payment Form.

```

var CustomStyle = {
  "children": {
    ".creditCardForm": {
      "children": {},
      "attributes": {
        "background": "#f1ecec"
      }
    },
    "#customerFirstName, #customerLastName, #customerEmail": {
      "attributes": {
        "background": "#ffcc80"
      }
    },
    "#cardNumber, #cvv, #month, #year": {
      "attributes": {
        "background": "#00d0ff24"
      }
    },
    "#amount": {
      "attributes": {
        "background": "#d3f8dd"
      }
    },
    "#customerBillingAddress1, #customerBillingAddCity,
#customerBillingAddState, #customerBillingAddZip": {
      "attributes": {
        "background": "#d6e0f5"
      }
    },
    "#pay-now > #confirm-purchase": {
      "attributes": {
        "display": "block",
        "margin": "auto",
        "width": "40%",
        "background": "#1aaf41eb"
      }
    },
    "#txnReceipt": {
      "attributes": {
        "background": "#f1ecec"
      }
    },
    "#txnReceipt > .transaction-receipt > .headerblock": {
      "attributes": {
        "border": "2px solid #cccccc",
        "color": "#b32400"
      }
    },
    "#txnReceipt > .transaction-receipt > table": {
      "attributes": {
        "border": "2px solid #cccccc",
      }
    }
  },
  "attributes": {}
};

```


Load WebPage in Browser

Once the steps above are completed to configure your webpage, open the page in a browser and it will load the **Pay Now** button.



Clicking on the **Pay Now** button will load the iFrame form to securely collect all required customer information to process a transaction.

First Name *	<input type="text"/>	Last Name *	<input type="text"/>
Email <input type="text"/>			
Card Number *	<input type="text"/>	CVV2/CID *	<input type="text"/>
USD\$1.01			
MM *	/	YYYY *	<input type="text"/>
Street * <input type="text"/>			
City *	<input type="text"/>	Select a State *	<input type="text"/>
Zip/Postal Code * <input type="text"/>			
Pay			

Simple and secure payment processing by



Testing

Use the Cleargate Sandbox to fully test the Pay Now iFrame before moving to a live integration. By using our provided test account and test cards, you can test transactions in a secure environment.

Test Integration Script

To get started with using the Cleargate Sandbox you must include the sandbox Pay Now iFrame integration script and edit the **clr-apikey** attribute field to include the API credentials associated with our test account.

```
<script src="https://vtsandbox.cleargate.com/Cleargate/clearpay.js"
class="clear-pay" clr-apikey="pk_Fhlzwtm9SCx6Uxww5fNXX8CUBwwAc"
clr-amount="TRANSACTION AMOUNT" clr-detail="PRODUCT_DETAILS"
clr-isform="false"></script>
```

The request values for **clr-amount** are setup in the testing environment to return different response codes. In order to test an approved and a declined transaction, use the two request values below for **clr-amount**. See more amounts in later [section](#). *Note: Remember to format the request value correctly. Refer to the [Script Attributes](#) section of this document for the proper formatting of the **clr-amount** value.*

Request Value	Response Code	Response Text
\$0.20	05	Decline
\$1.01	00	Approval

If you are handling the response message from an iFrame transaction and wish to verify it came from a qualified domain then you must update the url to point to the sandbox.

```
<script language = "javascript">

//receive response from iFrame
var eventMethod = window.addEventListener ? "addEventListener" : "attachEvent";
var eventer = window[eventMethod];
var messageEvent = eventMethod == "attachEvent" ? "onmessage" : "message";

// Listen to message from child window
eventer(messageEvent,function(event) {
    //only accept messages from the source domain in the above script tag
    if(event.origin.valueOf() == "https://vtsandbox.cleargate.com"){
        //results from transaction
        var res = event && event.data;

        alert(JSON.stringify(res));
        console.log(JSON.stringify(res));
    }else{
        console.log('message received but not from qualified domain');
    }
},false);
</script>
```

Test Account

Transactions made on the Cleargate Sandbox are tracked on the sandbox Virtual Terminal site:

<https://vtsandbox.cleargate.com/payhubvt>

Use the following account information to login to the Sandbox Virtual Terminal.

Organization ID	User Name	Password
10022	testuser22	cleargate20!

Test Cards

Use any of the following test cards to perform transactions on the test environment. *Note: Copying and pasting the card numbers to the iFrame may not work as expected, please enter the values manually.*

Card Type	Card Number				Expiration Date	CVV/C ID
VISA	4012	0000	9876	5439	12/20	999
MasterCard	5499	7400	0000	0057	12/20	998
Amex	3714	4963	5392	376	12/20	9997
Discover	6011	0009	9302	6909	12/20	996
MasterCard 2 BIN	2223	0000	4840	0011	12/20	998

Test AVS Data

Address	Zip
8320	85284

Sample Client Application

```
<!DOCTYPE html>
<html>
<head>
  <title>ClearGate Pay Now Sample App</title>
  <script
src="https://ajax.googleapis.com/ajax/libs/angularjs/1.6.9/angular.min.js"></script>
  <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css">
  <style>
    .payNowButton {
      background-color: #3976ba;
      color: white;
      border: none;
      padding: 5px;
      width: 200px;
      text-align: center;
      text-decoration: none;
      display: inline-block;
    }
    .paymentIframe {
      position: absolute;
      top: 0;
      left: 0;
      width: 100%;
      height: 100%;
    }
  </style>
</head>
<body>
  <script> var CustomStyle = {"children": {}}; </script>
  <script src="https://vtsandbox.cleargate.com/Cleargate/clearpay.js"
class="clear-pay" clr-apikey="pk_Fhlzwtm9SCx6Uxww5fNXX8CUBwwAc"
  clr-amount="101" clr-detail="product-detail" clr-isform="false"></script>

  <div class="container-fluid">
    <div id="pay"></div>
    <div id="clear-pay" class="paymentDiv"></div>
  </div>

  <script language = "javascript">
  //receive response from iFrame
  var eventMethod = window.addEventListener ? "addEventListener" : "attachEvent";
  var eventer = window[eventMethod];
  var messageEvent = eventMethod == "attachEvent" ? "onmessage" : "message";
  // Listen to message from child window
  eventer(messageEvent, function(event) {
    //only accept messages from the source domain in the above script tag
    if(event.origin.valueOf() == "https://vtsandbox.cleargate.com"){
      //results from transaction
      var res = event && event.data;

      alert(JSON.stringify(res));
      console.log(JSON.stringify(res));
    }else{
      console.log('message received but not from qualified domain!');
    }
  }, false);
  </script>
</body>
</html>
```

Test Amount Response Triggers

Note: Response Text is not guaranteed to be exact, therefore the response code should be evaluated and NOT the response text. Not all of the responses are supported at this time by the ClearGate gateway although this may change in the future. For more details see the [Notes](#) section.

Standard Credit Card Transactions					
VISA					
Request Value	Response Code	Response Text	Response Misc	Conditions	Notes
\$0.00	13	AMOUNT ERROR			See notes 2
\$0.01	01	CALL			
\$0.02	02	CALL			
\$0.03	28	NO REPLY			
\$0.04	91	NO REPLY			
\$0.05	04	HOLD-CALL			
\$0.06	07	HOLD-CALL			
\$0.07	41	HOLD-CALL			
\$0.08	43	HOLD-CALL			
\$0.09	06	ERROR (General)			
\$0.10	79	ALREADY REVERSED			
\$0.11	13	AMOUNT ERROR			
\$0.12	83	CANT VERIFY PIN			
\$0.13	86	CANT VERIFY PIN			
\$0.14	14	CARD NO ERROR			
\$0.15	82	INCORRECT CVV			
\$0.16	N3	CASHBACK NOT AVL			
\$0.17	06	ERROR (General)			
\$0.19	80	NO IMPACT			
\$0.20	05	DECLINE			
\$0.21	51	DECLINE			
\$0.22	N4	DECLINE			
\$0.23	61	Decline			
\$0.24	62	DECLINE			
\$0.25	65	DECLINE			
\$0.26	93	DECLINE			
\$0.27	81	ENCRYPTION ERROR			
\$0.28	06	ERROR XXXX			
\$0.29	54	EXPIRED CARD			

\$0.30	92	INVALID ROUTING			
\$0.31	12	INVALID TRANS			
\$0.32	78	NO ACCOUNT			
\$0.33	21	NO ACTION TAKEN			
\$0.34	76	UNSOLIC REVERSAL			
\$0.35	77	NO ACTION TAKEN			
\$0.36	52	NO CHECK ACCOUNT			
\$0.37	39	NO CREDIT ACCT			
\$0.38	53	NO SAVE ACCOUNT			
\$0.39	15	NO SUCH ISSUER			
\$0.40	75	PIN EXCEEDED			
\$0.41	19	RE-ENTER			
\$0.42	63	SEC VIOLATION			
\$0.43	57	SERV NOT ALLOWED			
\$0.44	58	SERV NOT ALLOWED			
\$0.45	96	SYSTEM ERROR			
\$0.46	03	TERM ID ERROR			
\$0.47	55	WRONG PIN			
\$0.48	N7	CVV2 MISMATCH			
\$0.49	85	CARD OK	TAS498		See notes 1
\$0.51	00	APPROVAL	"G " sent in G3V034	Must send G3V034	See notes 1
\$0.52	00	APPROVAL	"K " sent in G3V034	Must send G3V034	See notes 1
\$0.53	00	APPROVAL	"S " sent in G3V034	Must send G3V034	See notes 1
\$0.96	R0	STOP RECURRING			
\$0.97	R1	STOP RECURRING			
\$1.01	00	APPROVAL	TAS526		See notes 1
\$1.12	05	DECLINE			
\$1.13	05	DECLINE			
\$1.22	06	ERROR 0096			
\$1.23	06	ERROR 0096			
\$1.50	00	APPROVAL	TAS608		See notes 1
\$2.00	00	APPROVAL	TAS648		See notes 1
\$1.24	06	ERROR 1234			
\$10.00	00	APPROVAL	TAS639		See notes 1
\$32.48	00	APPROVAL	no auth code		See notes 1
\$32.49	00	APPROVAL	TAS701		See notes 1
\$32.85	11	APPROVAL			See notes 1
\$33.50	0930	REQUEST TIME OUT			

Standard Credit Card Transactions					
AMEX					
\$0.18	EV	CID FORMAT ERROR			
\$0.19	80	NO IMPACT			
\$0.20	05	DECLINE			
\$1.01	00	APPROVAL			See notes 1
\$1.02	11	APPROVAL			See notes 1
\$1.03	08	APPROVAL			See notes 1
\$12.00	00	APPROVAL	AXS504		See notes 1
\$15.00	10	PARTIAL APPROVAL	AXS498		

Notes

1 - TSYS APPROVAL Codes.

Transactions that result in a TSYS approval code **00** will have a ClearGate SUCCESS response text instead of the TSYS APPROVAL response text. The response code is not changed and will remain as 00. This is one example of why response texts should not be evaluated but rather the response codes should be evaluated.

Transactions that result in TSYS approval codes **08** (Honor Mastercard with ID), **11** (VIP approval), and **85** (CARD OK) are not supported by the ClearGate Gateway at this time. Therefore if these codes are generated the transaction will result in an approved authorization with TSYS but the transaction will be flagged as failed on the ClearGate Gateway and will not be included in the settlement. These responses are edge cases and will be supported in a future update. Until that time they should be treated as declined transactions.

2 - TSYS Response Code 13 (AMOUNT ERROR)

The ClearGate Gateway currently does not allow a transaction to be sent to the processor with \$0.00 amounts. Therefore, submitting a \$0.00 amount will not return a TSYS code **13** but rather an internal code **0012** (INVALID AMOUNT). Use \$0.11 trigger for TSYS code **13** instead.

Response Codes and Response Text

Note: Response Text is not guaranteed to be exact, therefore the response code should be evaluated and NOT the response text. All two digit codes are TSYS generated and the four digit codes are generated by the ClearGate Gateway. Some TSYS response codes currently cannot be generated due to lack of support of the functionality to generate them in the gateway. Some of the four digit codes may return multiple response text strings depending on the request.

Code	Response Text	Description
00	Approval	Successful - Approved and completed
00	Hold	Process and Hold - High Ticket limit
00	Hold	Process and Hold - Refund Ticket limit
00	Hold	Process and Hold - Monthly volume limit
01	Call	Failed - Refer to issuer
02	Call	Failed - Refer to issuer; special condition
03	Term ID Error No Merchant	Failed - Invalid Merchant ID
04	Hold-call or Pick Up Card	Failed - Pick up card (no fraud)
05	Decline	Failed - Do not honor
06	Error XXXX	Failed - General error
06*	(Check Service Custom Text)	Failed - Error response text from check service
07	Hold-call or Pick Up Card	Failed - Pick up card, special condition (fraud account)
08	Approval	Successful - Honor MasterCard with ID
10	Partial Approval	Successful - Partial approval for the authorized amount returned in Group III version 022
11	Approval	Successful - VIP approval
12	Invalid Trans	Failed - Invalid transaction
13	Amount Error	Failed - Invalid amount
14	Card No. Error	Failed - Invalid card number
15	No such Issuer	Failed - No such issuer
19	RE Enter	Failed - Re-enter transaction
21	No Action Taken	Failed - Unable to back out transaction
25	No Card Number	Failed - Unable to locate the account number
28	No Reply	Failed - File is temporarily unavailable
30	MSG Format Error	Failed - Transaction was improperly formatted
34	Transaction Cancelled	Failed - MasterCard use only; transaction cancelled; fraud concern (Used in reversal requests only).
39	No Credit Acct	Failed - No credit account
41	Hold-call or Pick Up Card	Failed - Lost card, pick up (fraud

		account)
43	Hold-call or Pick Up Card	Failed - Stolen card, pick up (fraud account)
51	Decline	Failed - Insufficient funds
52	No Check Account	Failed - No checking account
53	No Save Account	Failed - No savings account
54	Expired Card	Failed - Expired card
55	Wrong PIN	Failed - Incorrect PIN
57	Serv not allowed	Failed - Transaction not permitted-Card
58	Serv not allowed	Failed - Transaction not permitted-Terminal
59	Serv not allowed	Failed - Transaction not permitted-Merchant
61	Declined	Failed - Exceeds withdrawal limit
62	Declined	Failed - Invalid service code, restricted
63	Sec Violation	Failed - Security violation
65	Declined	Failed - Activity limit exceeded
75	PIN Exceeded	Failed - PIN tried exceeded
76	Unsolicited Reversal	Failed - Unable to locate, no match
77	No Action Taken	Failed - Inconsistent data, reversed, or repeat
78	No Account	Failed - No account
79	Already Reversed	Failed - Already reversed at switch
80	No Impact	Failed - No Financial impact (used in reversal responses to decline originals)
81	Encryption Error	Failed - Cryptographic error
82	Incorrect CVV	Failed - CVV data is not correct
83	Cannot Verify PIN	Failed - Cannot verify PIN
85	Card OK	Successful - No reason to decline
86	Cannot Verify PIN	Failed - Cannot verify PIN
91	No Reply	Failed - Issuer or switch is unavailable
92	Invalid Routing	Failed - Destination not found
93	Decline	Failed - Violation, cannot complete
94	Duplicate Trans	Failed - Unable to locate, no match
96	System Error	Failed - System malfunction
A1	Activated	POS device authentication successful
A2	Not Activated	POS device authentication not successful
A3	Deactivated	POS device deactivation successful
B1	SRCHG Not Allowed	Surcharge amount not permitted on Visa cards or EBT food stamps
B2	SRCHG Not Allowed	Surcharge amount not supported
CV	Failure CV	Card Type Verification Error
E1	ENCR NOT CONFIGD	Encryption is not configured
E2	TERM NOT AUTHENT	Terminal is not authenticated
E3	DECRYPT FAILURE	Data could not be decrypted

EA	Acct Length Err	Verification error
EB	Check Digit Err	Verification error
EC	CID Format Error	Verification error
HV	Failure HV	Hierarchy Verification Error
KO	TOKEN RESPONSE	Token request was processed
N3	Cashback Not Avl	Failed - Cash back service not available
N4	Decline	Exceeds issuer withdrawal limit
N7	CCV2 Mismatch	CVV2 Value supplied is invalid
R0	Stop recurring	Customer requested stop of specific recurring payment
R1	Stop recurring	Customer requested stop of all recurring payments from specific merchant
R3	Stop All Recur	All recurring payments have been canceled for the card number in the request
T0	Approval	First check is okay and has been converted
T1	Cannot Convert	The check is okay but cannot be converted. This is a declined transaction
T2	Invalid ABA	Invalid ABA number, not an ACH participant
T3	Amount Error	Amount greater than the limit
V1	Failure VM	Daily threshold exceeded
GB	Good Batch	Batch is Successfully Captured
RB	Rejected Batch	Batch Capturing Failed
QD	Duplicate Batch	Batch Capturing Failed due to Duplicate Batch ID submitted
0003	INVALID MERCHANT	Failed
0011	INVALID TRANSACTION	Failed
0012	INVALID AMOUNT	Failed
0013	INVALID ACCOUNT NUMBER	Failed
0021	EXPIRED CARD	Failed
0037	ACTIVITY AMOUNT LIMIT EXCEEDED	Failed
0039	ORIGINAL AMOUNT INCORRECT	Failed
0044	INVALID DATE	Failed
0045	ENCRYPTION ERROR	Failed
0049	NETWORK UNAVAILABLE	Failed
0056	INVALID BATCH	Failed
0058	AVS REQUIRED	Failed
0059	CVV2 REQUIRED	Failed
0060	ACCOUNT LENGTH ERROR	Failed
0061	CHECK DIGIT ERROR	Failed
0064	CVV2 MISMATCH	Failed
0902	INVALID TERMINAL	Failed
0905	INVALID RESPONSE CODE	Failed

0906	INVALID RESPONSE	Failed
0907	OFFLINE DECLINE	Failed
0918	INVALID EXPIRY DATE	Failed
0924	PROCESSOR MID TID DO NOT EXIST	Failed
0925	INVALID ZIP CODE	Failed
0926	MERCHANT CARD PROCESSOR NOT FOUND	Failed
0927	MERCHANT CARD PERMISSION NOT FOUND	Failed
0928	GW MERCHANT ID AND PROCESSOR TID NOT FOUND	Failed
0929	UNABLE TO CONNECT TSYS	Failed
0930	REQUEST TIME OUT	Failed
1000	INVALID MTI	Failed
1001	MTI IS NULL	Failed
1002	INVALID MTI LENGTH	Failed
1003	INVALID MTI VERSION	Failed
1004	INVALID TRANS TYPE	Failed
1005	INVALID MTI REQUEST	Failed
1006	INVALID MTI REQUEST TYPE	Failed
1007	FAILED TO CREATE TRANSACTION ID	Failed
1008	INVALID TIME	Failed
1009	INVALID REFERENCE NUMBER	Failed
1010	INVALID REVERSAL APPROVAL CODE	Failed
1011	INVALID REVERSAL TRANSACTION ID	Failed
1012	INVALID REVERSAL DATE TIME	Failed
1013	INVALID TRANSACTION CARD TYPE	Failed
1014	INVALID TRANSACTION TYPE	Failed
1015	INVALID SYSTEM TRACE AUDIT NUMBER	Failed
1016	INVALID NETWORK IDENTIFICATION CODE	Failed
1017	INVALID TRANSACTION SEQUENCE NUMBER	Failed
1018	INVALID DATE TIME	Failed
1019	INACTIVE MERCHANT	Failed
1020	INACTIVE TERMINAL	Failed
1021	INVALID REQUEST ACI	Failed
1022	INVALID MOTO E COMMERCE FOR REQUEST ACI	Failed
1023	INVALID CVV CODE	Failed
1024	INVALID TERMINAL FOR MERCHANT	Failed
1025	INVALID SECONDARY AMOUNT	Failed
1026	INVALID COMMERCIAL CARD REQUEST CODE	Failed
1027	INVALID TRANSACTION REQUEST TYPE	Failed
1028	INVALID BATCH TRANSACTION COUNT	Failed
1029	INVALID BATCH TRANSMISSION DATE	Failed
1030	INVALID BATCH HASHING TOTAL	Failed
1031	INVALID BATCH NET DEPOSIT	Failed
1032	INVALID BATCH DETAIL DATA	Failed

1033	UNABLE TO BUILD REQUEST	Failed
1034	INVALID REFUND REQUEST	Failed
1035	INVALID CARD HOLDER ID CODE	Failed
1036	INVALID ACCOUNT DATA SOURCE	Failed
1037	INVALID RETURNED ACI	Failed
1038	INVALID AUTHORIZATION SOURCE CODE	Failed
1039	INVALID APPROVAL CODE	Failed
1040	INVALID AVS RESULT CODE	Failed
1041	INVALID TRANSACTION IDENTIFIER	Failed
1042	INVALID VALIDATION CODE Void Indicator	Failed
1043	INVALID VOID INDICATOR	Failed
1044	INVALID TRANSACTION STATUS CODE	Failed
1045	INVALID REIMBURSEMENT ATTRIBUTE	Failed
1046	INVALID SETTLEMENT AMOUNT	Failed
1047	INVALID AUTH AMOUNT	Failed
1048	INVALID CARD LEVEL RESULT	Failed
1049	INVALID LEVEL FLAG	Failed
1050	INVALID OPTIONAL AMOUNT IDENTIFIER	Failed
1051	INVALID OPTIONAL AMOUNT	Failed
1052	INVALID PURCHASE ORDER NO	Failed
1053	INVALID GROUP LENGTH	Failed
1054	INVALID PAYMENT TRANSACTION INDICATOR	Failed
1055	INVALID MC IIAS INDICATOR	Failed
1056	INVALID MERCHANT SELLER ID	Failed
1057	INVALID CUSTOM IDENTIFIER DETAIL	Failed
1058	INVALID ASSOCIATION TIMESTAMP	Failed
1059	INVALID SUPPLIER REFERENCE NUMBER	Failed
1060	INVALID CARDHOLDER REFERENCE NUMBER	Failed
1061	INVALID SHIPPED TO ZIP CODE	Failed
1062	INVALID SALES TAX	Failed
1063	INVALID CHARGE DESCRIPTOR	Failed
1064	INVALID REQUESTER NAME	Failed
1065	INVALID TOTAL TAX AMOUNT	Failed
1066	INVALID TAX TYPE CODE	Failed
1067	INVALID TOTAL AUTHORIZED AMOUNT	Failed
1068	INVALID PURCHASE IDENTIFIER FORMAT CODE	Failed
1069	INVALID PURCHASE IDENTIFIER	Failed
1070	INVALID LOCAL TAX INCLUDED FLAG	Failed
1071	INVALID LOCAL TAX	Failed
1072	INVALID NATIONAL TAX INCLUDED FLAG	Failed
1073	INVALID NATIONAL TAX AMOUNT	Failed
1074	INVALID MERCHANT VAT REGISTRATION NUMBER	Failed
1075	INVALID CUSTOMER VAT REGISTRATION NUMBER	Failed

1076	INVALID SUMMARY COMMODITY CODE	Failed
1077	INVALID DISCOUNT AMOUNT	Failed
1078	INVALID FREIGHT AMOUNT	Failed
1079	INVALID DUTY AMOUNT	Failed
1080	INVALID DESTINATION ZIP CODE	Failed
1081	INVALID SHIP FROM ZIP CODE	Failed
1082	INVALID DESTINATION COUNTRY CODE	Failed
1083	INVALID UNIQUE VAT INVOICE REFERENCE NUMBER	Failed
1084	INVALID ORDER DATE	Failed
1085	INVALID VAT TAX AMOUNT	Failed
1086	INVALID VAT TAX RATE	Failed
1087	INVALID LINE ITEM COUNT	Failed
1088	INVALID LINE ITEM	Failed
1089	INVALID ALTERNATE TAX AMOUNT INDICATOR	Failed
1090	INVALID ALTERNATE TAX AMOUNT	Failed
1091	INVALID LINE ITEM CARD TYPE	Failed
1092	INVALID ITEM COMMODITY CODE	Failed
1093	INVALID ITEM CONTENT	Failed
1094	INVALID PRODUCT CODE	Failed
1095	INVALID ITEM QUANTITY	Failed
1096	INVALID UNIT OF MEASURE CODE	Failed
1097	INVALID UNIT COST	Failed
1098	INVALID DISCOUNT PER LINE ITEM	Failed
1099	INVALID LINE ITEM TOTAL	Failed
1100	INVALID ITEM DESCRIPTION	Failed
1101	INVALID ALTERNATE TAX IDENTIFIER	Failed
1102	INVALID ALTERNATE RATE APPLIED	Failed
1103	INVALID TAX TYPE APPLIED	Failed
1104	INVALID TAX AMOUNT	Failed
1105	INVALID DISCOUNT INDICATOR	Failed
1106	INVALID NET GROSS INDICATOR	Failed
1107	INVALID EXTENDED ITEM AMOUNT	Failed
1108	INVALID DEBIT CREDIT INDICATOR	Failed
1109	INVALID ITEM DISCOUNT RATE	Failed
1110	INVALID ITEM QUNTY EXPNT IND	Failed
1111	INVALID ITEM DSCNT EXPNT IND	Failed
1112	INVALID TAX RATE APPLIED	Failed
1113	INVALID TIP	Failed
1114	INVALID PROCESSOR	Failed
1115	INVALID MERCHANT NAME	Failed
1116	INVALID MERCHANT CITY	Failed
1117	INVALID MERCHANT STATE	Failed
1118	INVALID MERCHANT ZIP CODE	Failed
1119	INVALID MERCHANT TIME ZONE	Failed

1120	INVALID MERCHANT INDUSTRY ID	Failed
1121	INVALID CARD PERMISSION MERCHANT ID	Failed
1122	INVALID CARD PROCESSOR MERCHANT ID	Failed
1123	INVALID PROCESSOR STORE NUMBER	Failed
1124	INVALID PROCESSOR TERMINAL NUMBER	Failed
1125	INVALID PROCESSOR AGENT SETTLE NUMBER	Failed
1126	INVALID PROCESSOR CHAIN NUMBER	Failed
1127	BIN FILTER DENY	Failed
1128	INVALID BIN FILTER	Failed
1129	INVALID TRANSACTION REF NO	Failed
1130	FAILED TO CREATE BATCH ID	Failed
1131	FAILED TO CONNECT DB	Failed
1132	FAILED TO HANDLE CASH TRANSACTION	Failed
1133	INVALID TIP FLAG	Failed
1134	AVS ZIP FORMAT ERROR	Failed
1135	INVALID VT BATCH ID	Failed
1136	INVALID MERCHANT CATEGORY CODE	Failed
1137	INVALID ACQUIRER BIN	Failed
1138	INVALID AGENT BANK NUMBER	Failed
1139	INVALID DEVELOPER ID	Failed
1140	INVALID VERSION ID	Failed
1141	INVALID TERMINAL LOCATION CODE	Failed
1142	INVALID TERMINAL ID NUMBER	Failed
1143	INVALID MERCHANT OFFLINE APPROVAL CODE	Failed
1144	INVALID AGENT SETTLEMENT NUMBER	Failed
1145	INVALID MERCHANT ABA NUMBER	Failed
1146	INVALID BATCH NUMBER	Failed
1147	USERNAME NOT MATCHED ITS PASSWORD	Failed
1148	INVALID USER PASSWORD	Failed
1149	UNKNOWN BATCH ERROR	Failed
1150	INVALID SHARING GROUP	Failed
1151	INVALID TERMINAL ZIP CODE	Failed
4004	CLEARGATE GW SERVER NOT REACHABLE	Failed
4005	TRN DENY	Failed
4006	INVALID_MERCHANT	Failed
4007	INVALID_TERMINAL	Failed
4008	INVALID_USER_NAME	Failed
4009	INVALID_USER_PASSWORD	Failed
4010	INVALID_RECORD_FORMAT	Failed
4011	INACTIVE_TERMINAL	Failed
4012	INVALID_AUTHENTICATION	Failed
4013	INVALID_TRANSACTION_CD	Failed
4014	INVALID_OFFLINE_APPROVAL_CD	Failed
4015	INVALID_CARDHOLDER_ID_CODE	Failed
4016	INVALID_CARD HOLDER ID DATA	Failed

4017	INVALID_ACCOUNT_DATA_SOURCE	Failed
4018	INVALID_CUSTOMER_DATA_FIELD	Failed
4019	INVALID_CVV_CODE	Failed
4020	INVALID_CVV_DATA	Failed
4021	INVALID_TRANSACTION_AMOUNT	Failed
4022	INVALID_CARD_NUMBER	Failed
4023	INVALID_BATCH_ID	Failed
4024	INVALID_TRANSACTION_ID	Failed
4025	INVALID_CARD_EXPIRY_DATE	Failed
4026	INVALID_AVS_DATA_FLAG	Failed
4027	INVALID_CUSTOMER_ID	Failed
4028	INVALID_CUSTOMER_WEB	Failed
4029	INVALID_CUSTOMER_EMAIL_ID	Failed
4030	INVALID_CUSTOMER_BILLING_ADD_ZIP	Failed
4031	INVALID_CUSTOMER_SHIPPING_ADD_ZIP	Failed
4032	<i>INACTIVE_MERCHANT</i>	Failed
4033	<i>INVALID_TERMINAL_ORIGIN</i>	Failed
4034	<i>INVALID_CARD_DATA_FOR_DEBIT</i>	Failed
4035	<i>INVALID_TRANSACTION_CODE_FOR_DEBIT</i>	Failed
4036	INVALID_CUSTOMER_ADDRESS	Failed
4037	INVALID_CUSTOMER_COMPANY_NAME	Failed
4038	INVALID_CUSTOMER_DATA	Failed
4039	INVALID_TRANSACTION_NOTE	Failed
4040	CARD_NOT_SUPPORT_CODE	Failed
4041	CVV_REQUIRED_CODE	Failed
4042	AVS_REQUIRED_CODE	Failed
4043	CARD_REQUIRED_CODE	Failed
4044	EXPIRY_REQUIRED_CODE	Failed
4045	TRACK_DATA_REQUIRED_CODE	Failed
4046	CARD_TOKEN_GENRATION_FAILED_CODE	Failed
4047	PAYMENT_TYPE_REQUIRED_CODE	Failed
4048	TRANSACTION_TYPE_REQUIRED_CODE	Failed
4049	TRANSACTION_ID_REQUIRED_CODE	Failed
4050	BATCH_ID_REQUIRED_CODE	Failed
4051	TERMINAL_ID_REQUIRED_CODE	Failed
4052	ORGANIZATION_REQUIRED_CODE	Failed
4053	BATCH_TRANSACTION_NOT_FOUND_CODE	Failed
4054	ALREADY_SETTLED_BATCH_CODE	Failed
4055	DUPLICATE_BATCH_CODE	Failed
4056	BATCH_SETTLED_SUCCESSFULLY_CODE	Failed
4057	BATCH_SETTLEMENT_FAILD_CODE	Failed
4058	BATCH_REJECTED_CODE	Failed
4059	NETWORK_UNAVAILABLE_CODE	Failed
4060	UNABLE_TO_BUILT_REQUEST_CODE	Failed
4061	RECORD_NOT_FOUND_CODE	Failed

4062	RECURRING SAVED CODE	SUCCESSFULLY ADDED
4063	RECURRING SAVING FAILED CODE	Failed
4064	RECURRING UPDATION CODE	Failed
4065	RECURRING UPDATION FAILED CODE	Failed
4066	RECURRING STATUS CHANGED SUCCESSFULLY	SUCCESSFULLY ADDED
4067	RECURRING STATUS CHANGING FAILED	Failed
4068	INVALID TRANSACTION ID CODE	Failed
4069	TRANSACTION ALREADY VOIDED CODE	Failed
4070	CARD TYPE REQUIRED CODE	Failed
4071	INVALID BATCH NO CODE	Failed
4072	TRANSACTION ALREADY REFUNDED CODE	Failed
4073	UNABLE TO VOID CODE	Failed
4074	UNABLE TO REFUND CODE	Failed
4075	UNABLE TO CAPTURE	Failed
4076	TRANSACTION CAPTURED SUCCESSFULLY	Success
4077	TRANSACTION CAPTURING FAILED	Failed
4080	INVALID BILL TYPE CODE	Failed
4081	INVALID BILL GENERATION SPAN CODE	Failed
4082	INVALID END DATE TYPE CODE	Failed
4083	INVALID END BILL COUNT CODE	Failed
4084	INVALID END BILL DATE CODE	Failed
4085	INVALID WEEKDAYS CODE	Failed
4086	INVALID MONTHLY TYPE CODE	Failed
4087	INVALID MONTHLY WEEKDAYS CODE	Failed
4088	INVALID MONTHLY DAYS POSSION CODE	Failed
4089	INVALID MONTHLY DAYS CODE	Failed
4090	INVALID START DATE CODE	Failed
4091	INVALID SPECIFIC DATES CODE	Failed
4092	SPECIFIC SAME DATES CODE	Failed
4093	INVALID RECURRING DATA CODE	Failed
4094	END BILL DATE BEFORE START CODE	Failed
4095	CARD HOLDER DATA REQUIRED CODE	Failed
4096	CARD HOLDER CODE REQUIRED CODE	Failed
4097	INVALID STATUS CODE	Failed
4098	UNABLE TO CHANGE STATUS	Failed
4099	CARD VALIDATION FAILED CODE	Failed
4100	RECURRING CIS FAILED CODE	Failed
4101	UNABLE BUILT RECURRING FILTER STRING CODE	Failed
4102	UNABLE TO BUILT NEXT BILL CODE	Failed
4103	INVALID BILL TYPE CODE	Failed
4104	INVALID ACCOUNT NUMBER	Failed
4105	INVALID ROUTING NUMBER	Failed
4106	INVALID CHECK FIRST NAME	Failed
4107	INVALID CHECK LAST NAME	Failed
4108	INVALID CUSTOMER FIRST NAME	Failed

4109	INVALID CUSTOMER LAST NAME	Failed
4110	INVALID CUSTOMER EMAIL	Failed
FAIL	ORIGINAL TRANSACTION IN PROGRESS	Failed
FAIL	TRANSACTION ALREADY REFUNDED	Failed
4211	SIGNATURE UPDATED	Success
4212	SIGNATURE ALREADY CAPTURE FOR THIS ID	Failed
4213	SIGNATURE ONLY FOR SWIPE TRANSACTIONS	Failed
5010	TRANSACTION PRINT RECEIPT CODE	Success

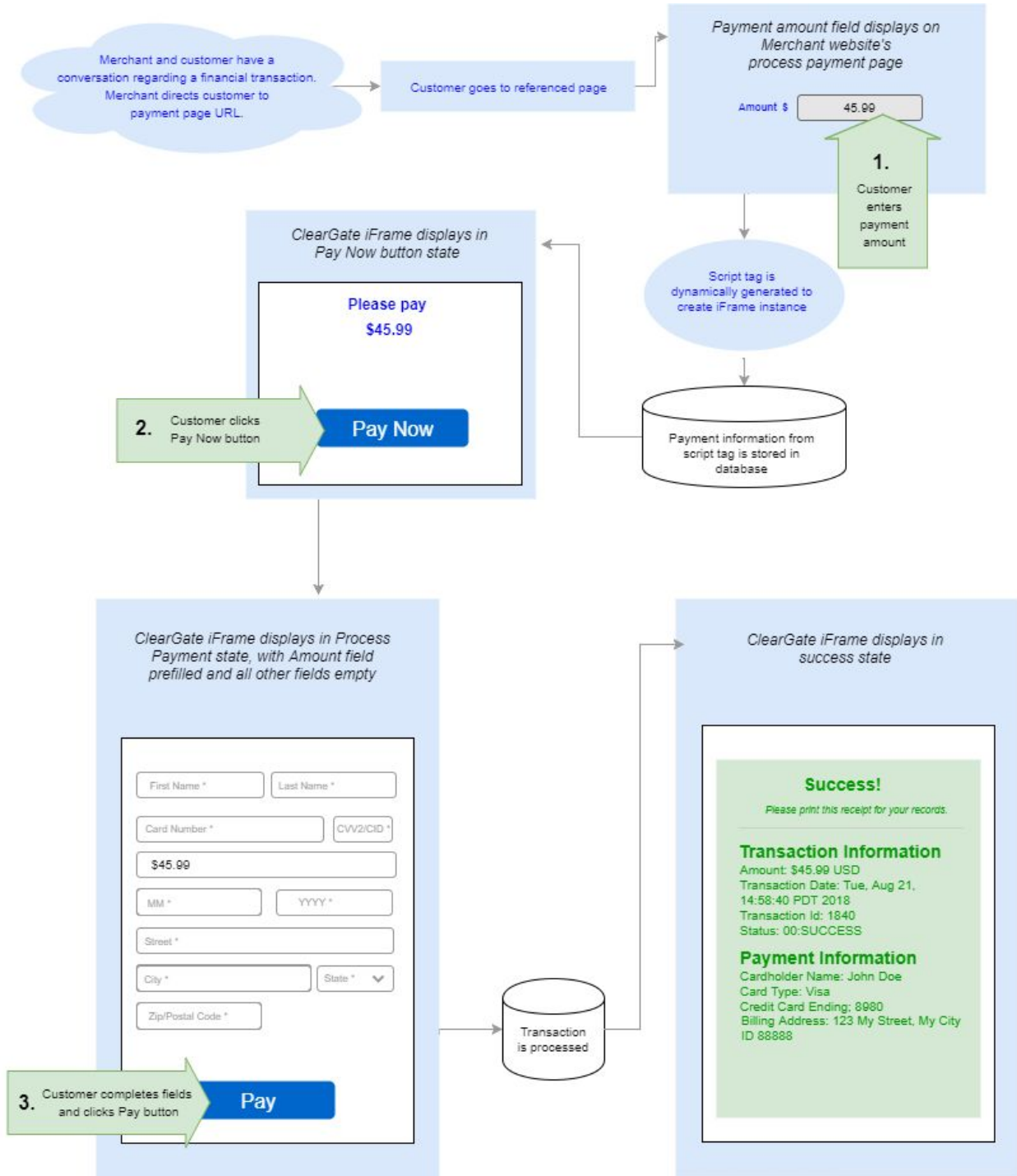
Sample Use Cases

Use Case 1

In this use case, the developer has added a simple amount input form to the customer or client's website, The merchant's patron adds the desired payment amount, which is then passed into the iFrame to complete the payment transaction.

This implementation is ideal for:

- Collecting donations for non-profit organizations
- Household service providers such as lawn care, house cleaning, and handymen who are paid upon completion of service
- Merchants selling through online venues such as Craigslist or classified ads, or who want to avoid the high fees charged to use the popular online selling apps.

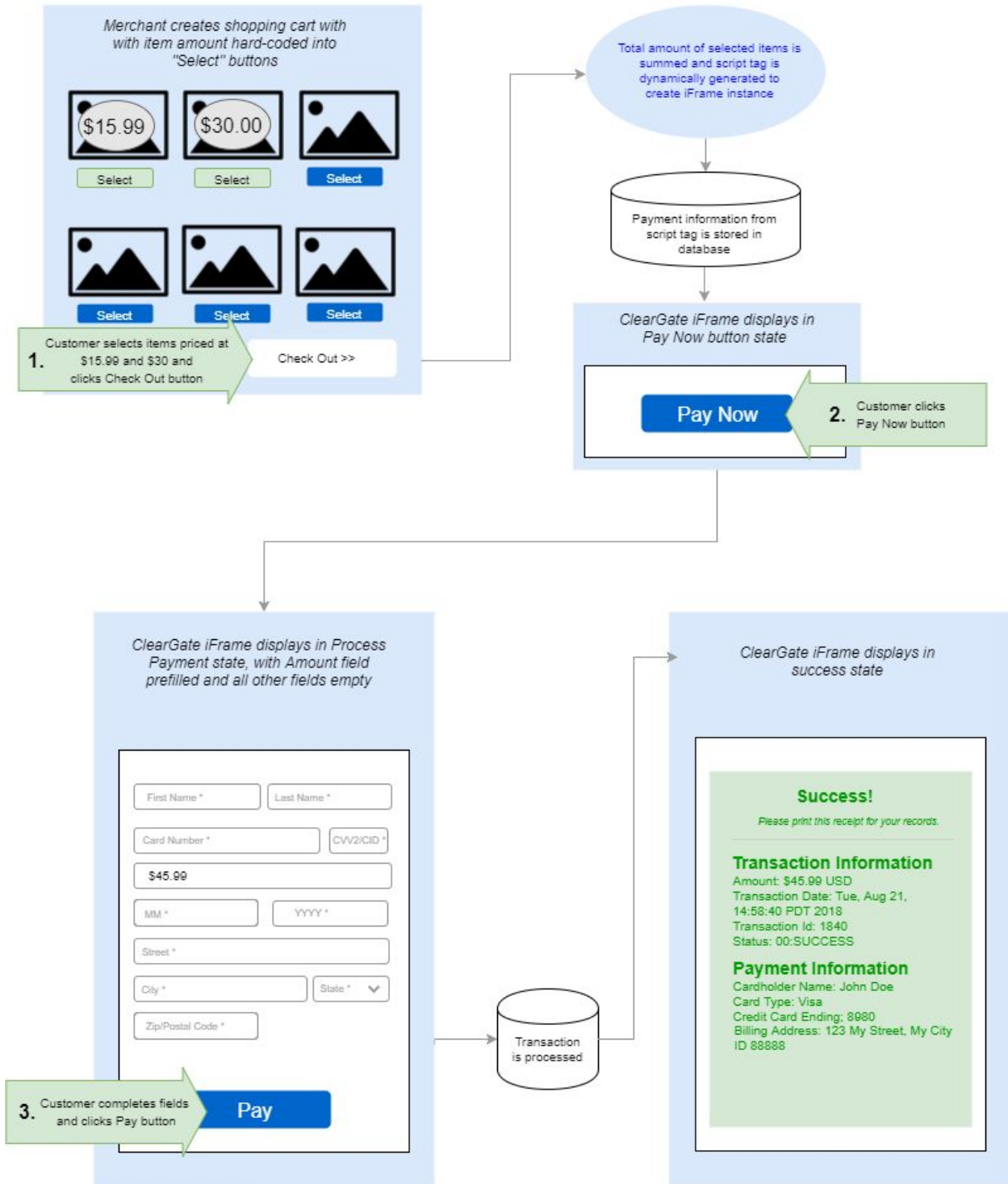


Use Case 2

In this use case, the developer has added a simple product gallery to their client's website, with each 'Select' button coded with the item's price. When the patron clicks the 'Go to checkout' button, the amounts of all selected items are totaled and passed into the iFrame to complete the payment transaction.

This implementation is ideal for:

- Merchants who do not want or need a full shopping cart solution
- 'Buy Now' options for online auctions and other fundraising activities
- Membership sign-ups and renewal processing on organizational websites

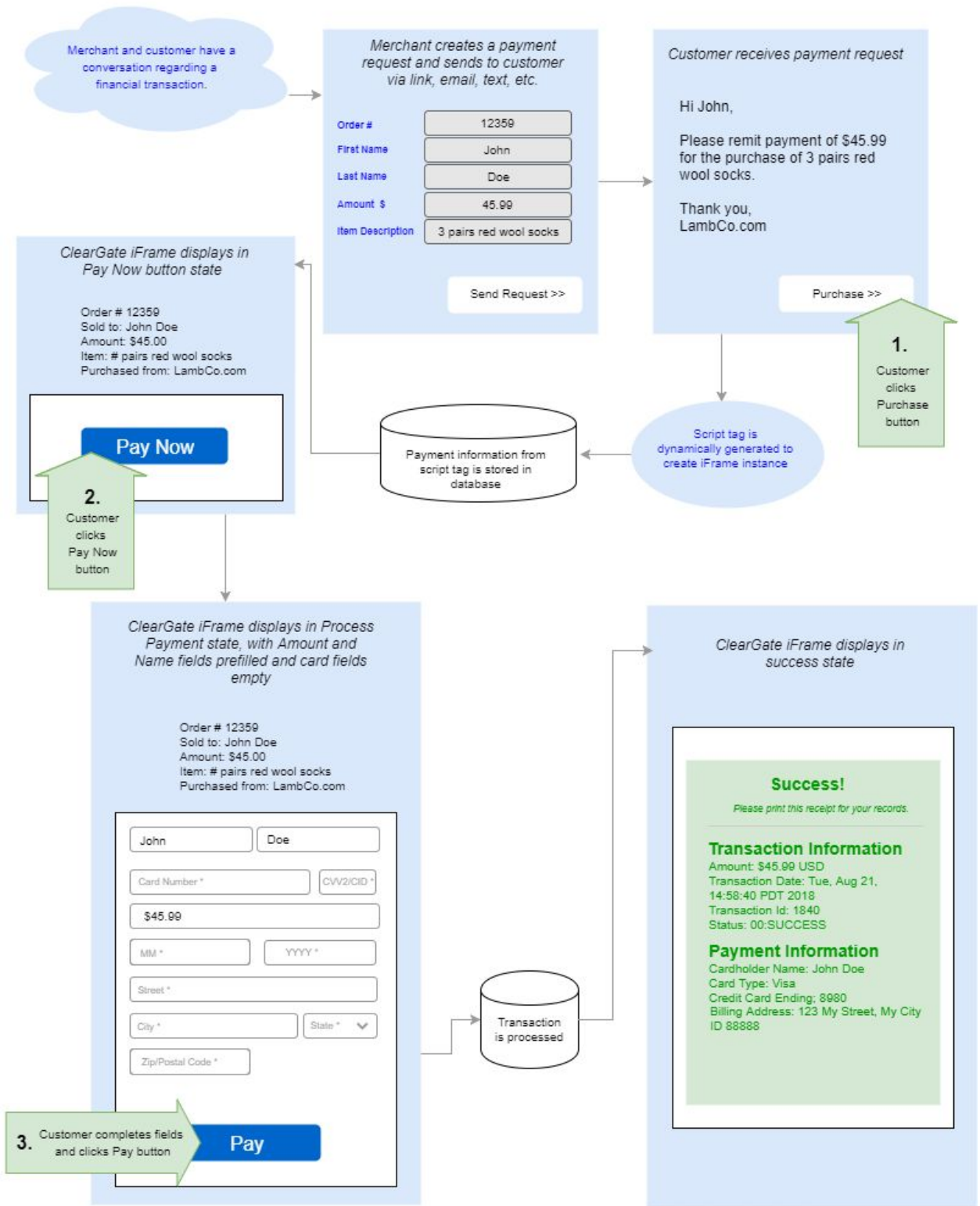


Use Case 3

In this use case, the developer has created a lightweight invoicing system by adding a payment request form that sends an email or text to the merchant's patron. When the patron clicks the 'Purchase' button in the payment request, he is landed on the merchant's payment processing page in the browser with the information from the payment request populated into the payment form fields.

This implementation is ideal for:

- Merchants who do not have online stores but take telephone orders for products, such as dealership auto parts departments
- Consultants, attorneys, accountants and any other professional who performs billing activities
- B-to-C or C-to-C selling platforms



Troubleshooting

If you face any issues with the form not loading after adding the Pay Now iFrame script and the clear-pay <div> element on the web page, please verify the api key is valid in your ClearGate merchant account. Also check if the correct format is used for the **clr-amount** field. The correct format is mentioned in the [Script Attributes](#) section of this document. Additionally, make sure the CustomStyle variable is included. Errors are returned in the console of the browser if the api key or amount is invalid.

If you have any other questions related to the Pay Now iFrame component, please contact ClearGate support at developersupport@cleargate.com.