

Accepting credit cards online through UBFWIT (UB Foundation Web Interface for Transactions)

Documentation for web developers

Getting set up

To use UBFWIT:

1. You need to have your own web site
2. You need to have a page on your site that will POST to UBFWIT
3. You need to have a page on your site that will accept a POST from UBFWIT

To make the connection to UBFWIT, you will be POSTING to:

<https://ubfoundation.buffalo.edu/interface/CreditCard.php>

Before you can use the system you must contact the UB Foundation to have a **connecting_site_code** assigned. At this time you will also need to provide the UBF Account Numbers that your transactions will be associated with. To have this set up, please complete the web site setup form located at:

http://www.ubfoundation.buffalo.edu/forms/UBFWIT_Web_Setup.doc

Email the web site setup form to:

Cindy Johannes
Director of Constituent Records & Revenue, UB Foundation
Center for Tomorrow, North Campus
Voice: 645-3013 x223
Email: devclj@buffalo.edu

OR

Linda Huffman
Center For Tomorrow, North Campus
Voice: 645-3013 x224
Email: devlah@buffalo.edu

Depending on what type of product or service for which your site accepts payment, you will also need to know the correct Service Type Code. Cindy Johannes or Linda Huffman can help you determine the correct code.

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Connecting/Posting to UBFWIT

The following charts describe the data that is passed to and from UBFWIT (to your web pages):

Data to include when posting to the interface:

Variable	Description	Maximum Length	Required when posting/linking to UBFWIT?
additional_comments	This is a field that you may use however you like	2000	N
charge_amount	Amount to charge the card (must be ≥ 10.00 and $\leq 10,000.00$)		Y
city	Customer's City	30	N
company	Customer's Company	50	N
connecting_site_code	An alpha-numeric code that we assign to you when you request to use the service	16	Y
country	Customer's Country	60	N
deposit_number	Reserved for future/internal use	20	N
email	Customer's Email Address - where the email receipt generated by Authorize.net is sent when email_ind = TRUE. Only one email address allowed.	200	Y if email_ind = TRUE
email_footer	Text at the top of the email receipt	500	N
email_header	Text at the top of the email receipt	500	N
email_ind	If an email receipt should go to the customer (TRUE or FALSE) (case sensitive)	5	N
first_name	Customer's First Name	50	N
home_phone	Customer's Home Phone	25	N
last_name	Customer's Last Name	50	N
merchant_email	Administration Email Address – where a copy of the customers email receipt generated by Authorize.net (minus the custom header and footer) is sent when merchant_email_ind = TRUE. Only one email address allowed.	200	Y if merchant_email_ind = TRUE
merchant_email_ind	If a copy of the email receipt should go to the merchant (TRUE or FALSE) (case sensitive)	5	N
post_back_qstring	If you need to add a query_string to the post_back_url, put that in this variable – do not include the leading '?'. The variables in this query_string will be sent back to you via the post to your post_back_url. NOTE: Please encode the query string properly and make sure not to use variables already listed here.	Unlimited (recommended that it is not > 4000)	N
post_back_url	URL of the script to receive the response (http://yourserver/yourscript) Note: please do not add a QUERY_STRING to this url, rather, use the post_back_qstring field	2000	Y
state	Customer's State	40	N
service_type_code	Type of service or product relating to the transaction	5	Y
street_address	Customer's Street Address	60	N
transaction_desc	Description of charge on email receipt	200	Y
transaction_id	Your unique transaction identifier – used for tracking on your end	20	Y
ubf_account	UBF Account Number	10	Y
zipcode	Customer's Zip Code	20	N

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Page Formatting Options:

(variables to include in your POST to UBFWIT if you want to customize the look of the page)

Variable	Description	Default
HtmlBasefontFace	face attribute of the <basefont> tag and corresponding style selectors	Arial,Helvetica,Sans-Serif
HtmlBasefontSize	size attribute of the <basefont> tag and corresponding style selectors	3
HtmlTitle	contents of the <title> tag	Credit Card Transaction
HtmlBodyBgcolor	bgcolor attribute of the <body> tag and corresponding style selector	#ffffff
HtmlBodyText	Text attribute of the <body> tag and corresponding style selector	#000000
HtmlBodyLink	link attribute of the <body> tag and corresponding style selector	#0000ff
HtmlBodyAlink	Alink attribute of the <body> tag and corresponding style selector	#cc33ff
HtmlBodyVlink	Vlink attribute of the <body> tag and corresponding style selector	#cc33ff
HtmlBodyHlink	Color of a.hover in the style tag	#cc33ff
ClassRequiredColor	Color of the labels for required form fields	#ff0000
FormFormat	The format of the form that collects credit card number (horizontal or vertical)	vertical
HeaderHtmlPaymentForm	A block of HTML that will be inserted before the form that collects the customer's credit card information	
FooterHtmlPaymentForm	A block of HTML that will be inserted after the form that collects the customer's credit card information	

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Receiving the response from UBFWIT

Data posted back to your script (Plus the fields above that were included in the first POST):

Variable	Description	Length
ubf_transaction_id	UBF unique transaction identifier (UBF's Transaction ID)	20
x_response_code	Authorize.net Response: 1 = This transaction has been approved. 2 = This transaction has been declined. 3 = There has been an error processing this transaction. Please code accordingly. Only when receiving a "1" should you confirm with the site visitor that the transaction is a success.	1
x_response_reason_code	Authorize.net Response: See Below	2
x_response_reason_text	Authorize.net Response: See Pages 21-27 of Authorize.net documentation at http://www.authorizenet.com/support/AIM_guide.pdf	varies
name_on_card	The name on the card charged – only returned for a successful transaction	40
card_last_4_digits	The last 4 digits on the card charged – only returned for a successful transaction	4
card_type	The type of card charged – only returned for a successful transaction (VISA, MASTERCARD, AMERICANEXPRESS, DISCOVER)	20
authnet_auth_code	Authorize.net's Authorization Code – only returned for a successful transaction	6
authnet_transaction_id	Authorize.net's Transaction ID – only returned for a successful transaction	10-20

Notes:

1. Your receiving script/html should NOT use relative urls (for images, links, etc.). Due to the utility we use to automatically post back to your script, all the urls in your html should have the full url (http://www.yourserver...).
2. To be prepared for future security updates, we suggest that customer address information is included in your POST to UBFWIT (even though these fields are not currently required).
3. The person in the email field and the person in merchant_email field get slightly different emails from Authorize.net - the one to "email" is meant for the customer/visitor on your site (it has your custom Email Header and Footer). The one to "merchant_email" is meant for someone internal in your department (it has no custom content and it has more information about the transaction). Only pass in the actual email address in these fields (no name inclusion like: "Kristen Frey <kfreysemailaddress@buffalo.edu>") ONLY pass in kfreysemailaddress@buffalo.edu
4. Currently the DOCTYPE for the UBFWIT pages is HTML 4.0 transitional. Eventually, deprecated HTML elements may force us to change the formatting options when we go to HTML 4.0 Strict or XHTML. There are no current plans for this yet.
5. Any images that you reference in the HTML code passed into UBFWIT do not need to be hosted on a secure server in order for the transaction to be secure, BUT some of your customers may complain that their browser is telling them that the page is insecure (depending on the browser). Due to this it is recommended that you do not references images in the HTML code that gets passed unless they are on a secure server and the url in the code starts with <https://>. In the case that you absolutely must have images but do not have a secure server, you may contact Kristy Frey to arrange hosting of your images on the UB Foundation's server.

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TESTING YOUR SITE'S INTEGRATION WITH UBFWIT

The TEST ADDRESS to POST to is <https://ubfoundation.buffalo.edu/test/interface/CreditCard.php>)

1. Transactions ARE NOT REAL when performed at the test site
2. The credit cards numbers listed below should be used when testing
3. Test transactions should not be done on the LIVE Site

Test Credit Card Numbers:

Visa – 40070000000027

Mastercard – 5424000000000015

Discover – 6011000000000012

American Express – 370000000000002

When you switch to “LIVE MODE” you may use the test credit card numbers for an initial test (they get declined when you are in “LIVE MODE”).

Sample PHP code can be found at:

http://ubfoundation.buffalo.edu/UBFWIT_Example/Form.php

We also welcome your examples that may help others. If you would be willing to host a working set of test pages please contact:

Kristen Frey

Senior Programmer Analyst

Center For Tomorrow, North Campus

Voice: 645-3013 x280

Email: kfrey@buffalo.edu