



**CCAvenue WORLD INTEGRATION MANUAL**  
**Version 1.0**



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## TABLE OF CONTENTS

<b>1. INTRODUCTION.....</b>	<b>4</b>
<b>1.1 OVERVIEW AND OBJECTIVE.....</b>	<b>4</b>
<b>2. VARIABLE AMOUNT INTERFACE.....</b>	<b>5</b>
<b>2.1 OVERVIEW AND REQUIREMENTS.....</b>	<b>5</b>
<b>2.2 SITE INTEGRATION.....</b>	<b>5</b>
<b>3. SHOPPING CART INTERFACE.....</b>	<b>8</b>
<b>3.1 OVERVIEW AND REQUIREMENTS.....</b>	<b>8</b>
<b>3.2 PRODUCT MANAGEMENT.....</b>	<b>8</b>
<b>3.3 SITE INTEGRATION.....</b>	<b>10</b>
<b>4. ADVANCED SITE INTEGRATION FOR REALTIME SUCCESS/FAILURE.....</b>	<b>11</b>
<b>4.1 PRE-REQUISITES.....</b>	<b>11</b>
<b>4.2 DOWNLOAD INTEGRATION KIT.....</b>	<b>12</b>
<b>4.3 STEPS TO INTEGRATION.....</b>	<b>13</b>
<b>4.4 TESTING ADVANCED SITE INTEGRATION.....</b>	<b>17</b>
<b>5. APPENDIX.....</b>	<b>18</b>



### 1. INTRODUCTION

The CCAvenue™ Transaction Gateway offers e-merchants a one-stop solution for processing e-transactions ranging from credit card transactions to direct debit from their online bank accounts.

At CCAvenue™ we strive to offer value added services to the e-merchant to increase the number of transactions, their value and overall profitability and to enhance transaction security and pro-actively counter fraud and charge-back related losses.

#### 1.1 OVERVIEW AND OBJECTIVES

The CCAvenue™ System has been designed for quick integration and ease of use. The CCAvenue™ User Guide will introduce you to the CCAvenue™ World Gateway and familiarize you with the features and methods of integration of CCAvenue™ World.

The CCAvenue™ World User Guide is intended as a set up guide for new merchants of CCAvenue.com. It outlines the steps required to be followed by a new merchant to bring their account from newly created to completely integrated. This document has been written assuming a basic level of familiarity HTML and technical aspect of e-commerce. *(If you need to learn more about HTML basics please read appendix A.)* Reading this document should be the first step a merchant takes after signing up for their account. It contains indispensable information about how the merchant's account functions, and what its limitations are.



## 2. THE VARIABLE AMOUNT INTERFACE

### 2.1 Variable Amount Overview and Requirements

The Variable Amount Interface is the best option for you if you have only a couple of items for sale on your website OR if you have your own custom shopping cart and require only a **'BUY NOW'** or **'PROCEED TO PAY NOW'** button. To use this option for collection of online payments you need to incorporate certain lines of simple HTML code to put a 'BUY NOW' button on your website. You will find the HTML code for integration of the Variable amount interface on the main menu itself under the head **Generate HTML for Variable Amount Interface**.

Although the Variable amount interface in itself works on simple HTML code, you do need to have some script to generate a unique order id for each transaction that is sent to the CCAvenue™ gateway for processing. What script and the programming language you use to run this script is entirely at your own discretion; it may be written in perl, ASP, JSP, etc.

We do however have a sample script written in ASP (Active Server Pages) for your convenience.

### 2.2 Variable Amount Site Integration

The CCAvenue™ system expects certain input data with specific names to be sent to the CCAvenue™ website. For this reason, it is essential that the names of the input fields on the merchant's web site and the CCAvenue.com web site match exactly. To achieve this the relevant data field values of the shopping cart must be assigned to the appropriate data field of the form provided below. Some of these input data fields are mandatory and marked in **red**, and must be sent to the CCAvenue™ system with every order. Please ensure that the values have no unnecessary blank spaces preceding or trailing the values.

**Line 1:** `<form method="post"`

`action="https://world.ccavenue.com/servlet/ccw.CCAvenueController">`

This line defines the beginning of the form. The `method` is the way we are sending the information. The `action` property of this form tells the form where to send the information contained in the input fields. For all Variable Amount transactions, the action property should be **`https://world.ccavenue.com/servlet/ccw.CCAvenueController`** for online processing. Please do not change any part of this line.

**Line 2:** `<input type="hidden" name="Merchant_Id" value="M_demos_17">`

This field represents the merchant id assigned to you by CCAvenue™ and identifies the order as one originating from your website. This field will accept up to a maximum of **20** characters only.

**Line 3:** `<input type="hidden" name="Amount" value="1000">`

The amount field must contain the information about the final total of the amount in USD to be processed by the CCAvenue™ payment system.

**Line 4:** `<input type=hidden name=Currency value="USD">`

This field defined the currency type and is a constant. You must always pass USD in this field.

**Line 5:** `<input type="hidden" name="Order_Id" value="ORD_ID1234">`

This field is a compulsory field that sends the id, which is to be the unique identifier for this order, to the CCAvenue™ site. This must be a unique id generated at your website and may contain combination of letters, numbers, dashes(-), forward slashes(/) or back slashes(\) up to a maximum of **30** characters.

**Line 6:** `<input type=hidden name=TxnType value="A">`

This is a constant and must be included as defined above.



**Line 7:** <input type=hidden name=actionID value="TXN">

This is a constant and must be included as defined above.

**Line 8:** <input type="hidden" name="billing\_cust\_name" value="John">

This field must contain the customer's first name as it appears on his / her credit card and will accept up to **30** characters.

**Line 9:** <input type="hidden" name="billing\_middle\_name" value="Edgar">

This field must contain the customer's middle name as it appears on his / her credit card and will accept up to **20** characters.

**Line 10:** <input type="hidden" name="billing\_last\_name" value="Doe">

This field must contain the customer's last name as it appears on his / her credit card and will accept up to **20** characters.

**Line 11:** <input type="hidden" name="billing\_cust\_address" value="123 Green Acres, West Eden">

The customer's billing address information must be sent in this parameter and it will accept a maximum of **200** characters.

**Line 12:** <input type="hidden" name="billing\_cust\_city" value="Estberry">

The customer's billing city information must be sent in this parameter and it will accept a maximum of **40** characters.

**Line 13:** <input type="hidden" name="billing\_cust\_state" value="Wales">

The customer's billing state information must be sent in this parameter and it will accept a maximum of **50** characters.

**Line 14:** <input type="hidden" name="billing\_cust\_zip" value="12345">

The customer's billing pin code/ zip code information must be sent in this parameter and it will accept a maximum of **18** characters.

**Line 15:** <input type="hidden" name="billing\_cust\_country" value="UK">

The customer's billing country must be sent in this parameter and it will accept a maximum of **2** characters.

**Line 16:** <input type="hidden" name="billing\_cust\_tel\_Ctry" value="41">

This field must contain the customer's telephone Country code and will accept up to **3** characters.

**Line 17:** <input type="hidden" name="billing\_cust\_tel\_Area" value="345">

This field must contain the customer's telephone Area code and will accept up to **5** characters.

**Line 18:** <input type="hidden" name="billing\_cust\_tel\_No" value="345678">

This field must contain the customer's telephone number and will accept up to **12** characters.

**Line 19:** <input type="hidden" name="billing\_cust\_email" value="johndoe@hotmail.com">

This field must contain the customer's email and will accept up to **60** characters.

**Line 20:** <input type="hidden" name="billing\_cust\_notes" value="Send right away!">

This field has been provided to capture any special instructions or notes that the customer wishes to convey to the merchant and will accept up to **500** characters.



**Line 21:** `<input type="hidden" name="delivery_cust_name" value="John">`

This field must contain the recipient's first name and will accept up to **30** characters.

**Line 22:** `<input type="hidden" name="delivery_middle_name" value="Edgar">`

This field must contain the recipient's middle name and will accept up to **20** characters.

**Line 23:** `<input type="hidden" name="delivery_last_name" value="Doe">`

This field must contain the recipient's last name and will accept up to **20** characters.

**Line 24:** `<input type="hidden" name="delivery_cust_address" value="123 Green Acres, West Eden ">`

This field must contain the recipient's address where the merchandise is to be delivered and will accept up to **200** characters.

**Line 25:** `<input type="hidden" name="delivery_cust_city" value="Estberry">`

This field must contain the recipient's city where the merchandise is to be delivered and will accept up to **40** characters.

**Line 26:** `<input type="hidden" name="delivery_cust_state" value="Wales">`

The recipient's state information must be sent in this parameter and it will accept a maximum of **50** characters.

**Line 27:** `<input type="hidden" name="delivery_cust_zip" value="12345">`

The recipient's pin code/ zip code information must be sent in this parameter and it will accept a maximum of **18** characters.

**Line 28:** `<input type="hidden" name="delivery_cust_country" value="UK">`

The recipient's country must be sent in this parameter and it will accept a maximum of **2** characters.

**Line 29:** `<input type="hidden" name="delivery_cust_tel_Ctry" value="41">`

This field must contain the recipient's telephone Country code and will accept up to **3** characters.

**Line 30:** `<input type="hidden" name="delivery_cust_tel_Area" value="345">`

This field must contain the recipient's telephone Area code and will accept up to **5** characters.

**Line 31:** `<input type="hidden" name="delivery_cust_tel_No" value="345678">`

This field must contain the recipient's telephone number and will accept up to **12** characters.

**Line 32:** `<input type="submit" value=" Buy Now ">`

This creates a button displaying the text "Buy Now" and on clicking which all the above parameterised information is sent to the CCAvenue™ shipping and billing page. You can change this text of the button to anything that you want displayed on your website; for example "CheckOut".

**Line 33:** `</form>`

This simply demarcates and ends the form.

To enhance your customer's experience on your website you can customise the CCAvenue™ shipping / billing pages so that it blends with your website. Please refer to **Section 2.3.5** to read more on how to '**Customise the Shipping and Billing Page**'.



## 3. THE SHOPPING CART INTERFACE

### 3.1 Shopping Cart Overview and Requirements

Merchants who have only an HTML website and do not have the software programming expertise required to develop their own custom shopping cart, CCAvenue™ has provided a ready-to-use shopping cart.

### 3.2 Product Management

Before you can integrate the shopping cart you need to perform a few necessary and extremely easy steps, as follows:

#### Step 1: Select the correct Interface Type in Settings and Options

If you wish to use the shopping cart interface then you must go the General settings' link in the 'Setting and Options' section. Go to the Change Interface type and select either 'ShopCart Interface' or 'Both Amount and ShopCart Interface' and click on 'Submit' to update the settings.

#### Step 2: Add and Manage Products

The next step requires that you upload the products you wish to display on your shopping cart by visiting the 'Product Management' section. ( Please note that if you have skipped the previous step you will not get access to the product management features. )

**All the Product Management Function Links are listed here.**

**Search for any product by entering the Product Id and clicking the 'Search' link.**

**The listing of all Current products is displayed with product id, product name, price, weight and links to 'Modify' or 'Delete'.**

Product ID #	Product Name	Price [ USD ]	Weight	
910	Salvar Suit	23.00	2.00	Modify Delete
APP001	Aparnas Designs Size: --- Size --- Texture: --- Texture --- Colors: --- Colors --- Ask customer to type in : Enter your Inscription Text here	23.68	3.00	Modify Delete

You can add products by any of the two methods:

- 1) Adding one product at a time by clicking on the 'Add a new Product' Link.

**Fill in the Product Details**

**Product ID Number**   
Letters, Numbers, and dashes are ok.

**Product Name**   
For best results, use both upper- and lower- case letters

**Product Price**  USD **Product Weight**  kg

**Currently Available ?**  
☐ Yes, available for immediate shipment.  
☐ No, product is backordered or temporarily unavailable.

Click Here To

OR, use the areas below for Product Varieties & Options.

**Add Your Product** You need to provide the Product Id, Product Name, the Unit Price in USD, Weight of the product and the Unit of weight.

If the product is not available you can simply select the 'No' radio button which ensures the appropriate message will be displayed to your customer informing him / her that the product chosen is currently unavailable.





Advanced options are also available where you can give the customer up to 3 options for every product and specify multiple choices within each of these options.

Specify the text to be displayed to the customer asking for special message, inscription etc which he wants added on to the product.

## Fill in the Product Options

	1	2	3
<b>Name of Option</b> (Size, Color, Flavor, etc.)	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>Name of Choices</b> One per line	<div><div></div></div>	<div><div></div></div>	<div><div></div></div>
<b>Name of Customer Text Option</b> (Inscription, Monogramme, etc.)	<input type="text"/>		
<input type="button" value="Add Product"/>			



### 3.3 Shopping Cart Site Integration

if you have registered with CCAvenue™ for using our shopping cart interface, then you need to place **'Add to Cart'** link next to each of the products displayed on your website and a **'View Shopping Cart / Checkout'** link at the top and bottom of the shopping area on each of your pages.

**The 'Add to Cart' Link:** You need to place a this button near each product description on your shopping pages.(see our Demo Shop for a demonstration). When a customer presses a the 'Add to Cart' Button, that product will be added to the customer's shopping cart. We'll then give the customer an opportunity to select quantities and product varieties, if any. The customer can then select more items to purchase, or pay and finish.

The HTML code to generate this link is:

```
<A  
HREF="http://world.ccavenue.com/servlet/ccw.shop.AddToCart?MID=ClientID&PID=productID&URL=continue-page">Add to cart</a>
```

If you wish to create a graphical version of this button instead, the code would be:

```
<A  
HREF="http://world.ccavenue.com/servlet/ccw.shop.AddToCart?MID=ClientID&PID=productID&URL=continue-page"></a>
```

**The 'View Shopping Cart / Checkout' Link:** allows customers to either view the contents of their shopping cart, or pay and finish.

The HTML code to generate this link is:

```
<A  
HREF="http://world.ccavenue.com/servlet/ccw.shop.AddToCart?MID=ClientID&PID=shopCart&URL=continue-page">View Shopping Cart/Checkout</a>
```

If you are going to create a graphical version of this button instead, the code would be:

```
<A  
HREF="http://world.ccavenue.com/servlet/ccw.shop.AddToCart?MID=ClientID&PID=shopCart&URL=continue-page"></a>
```

Note the red text, ClientID, continue-page and productID in the examples above are compulsory.

The ClientID is the client id assigned to you by CCAvenue upon activation of your account.

productID refers to the actual product id of each product that exists in your shop. This is an identifier used by your Web page to communicate with CCAvenue™'s software. It tells CCAvenue™ which product is being selected when a customer clicks on the "Add to Cart" button for that product. The product ID number can be any combination of letters, numbers, and dashes (-) Please note that each product entry is required to be made via the Your Products interface.

In place of continue-page, insert the address of the Main Shopping page at your Web site. (This usually starts with http:// or www.) When the customer presses the "Add More Items" button from a CCAvenue™ page, we will send the customer back to the continue-page address that you specify.

For small shops, you'll probably want us to send the customer back to the page from where he/she originally clicked on this link. Larger shops might want to send the customer to a search page in order to browse for his/her next product.



## 2. ADVANCED SITE INTEGRATION FOR REAL TIME SUCCESS / FAILURE

### 1.1 OVERVIEW AND PRE-REQUISITES

The Real Time Success / Failure feature is available for merchants who have their own custom shopping cart or web application and maintain an active database at their end which needs to be updated with the authorisation status of the transaction in real time.

The pre-requisites for using this facility are:

- 1) Your website must run on a web server which supports any of the following scripting languages.
  - **ASP - Active Server Pages**
  - **JSP – Java Server Pages**
  - **PHP – PHP: Hypertext Pre-processor**
- 2) You will need intermediate level of programming skills in the scripting language or you may consider hiring the services of a programmer for integrating the feature with your website.

### How the Real Time Success Failure Feature works?

The Real Time Success Failure Feature works on the basis of Checksum verification. The **Checksum** refers to a random numeric string generated using a mathematical algorithm (a complex quadratic equation) to ensure that data is not tampered along the way. The way it works is lets say a message has to be sent from **A** to **B**. **A** and **B** both mutually agree on a Key that only both of them possess. A checksum is calculated with a mathematical function using the parameters passed and the Key as input. This checksum is then sent along with the message to point **B**. **B** then recalculates this checksum using the Key and the same algorithm. If the checksum that **B** calculates is different from the checksum that **A** has passed then the data has been tampered with along the way.



## 1.2 DOWNLOAD INTEGRATION KIT

The first step to integrating this feature is to download the Integration Kit. You need to log in to your CCAvenue™ account and click on the "How to Integrate?" link.



### To Download Integration Kit

**Step 1:** You need to log in to your CCAvenue account and click on the link to download the kit. You will find this within the "How to set up Your CCAvenue account?" Section.

**Step 2:** Select the option 'Save this file to disk' and click on the 'OK' button.

**Step 3:** Select the directory and folder path in which to save the zip file and hit the 'Save' button.

**Step 4:** Extract the file using the WinZip utility to access the folders and files provided.

The zip file contains the following files and folders:

### 1) ASP folder:

This folder contains the following sample codes:

Please note that you could insert your subroutines/functions to the checkout & redirecturl.jsp page & further customize the pages.

libfuncs.asp : functions necessary for calculating, verifying checksum  
 checkout.asp : sample code for your ASP checkout page  
 redirecturl.asp : sample code for your ASP redirect page

### 2) JSP folder:

This folder contains the following sample codes:

Please note that you could insert your subroutines/functions to the checkout & redirecturl.jsp page & further customize the pages.

libFunctions.jsp : functions necessary for calculating ,verifying checksum  
 checkout.jsp : sample code for your JSP checkout page  
 redirecturl.jsp : sample code for your JSP redirect page

### 3) PHP folder:

This folder contains the following sample codes:

Please note that you could insert your subroutines/functions to the checkout & redirecturl.php3 page & further customize the pages.

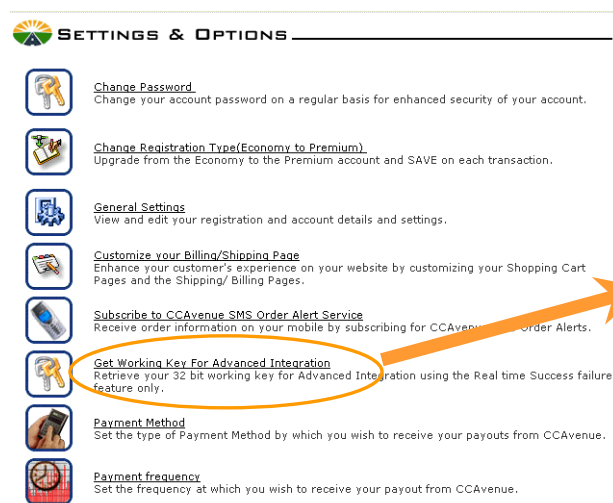
libfuncs.php3 : functions necessary for calculating, verifying checksum  
 checkout.php3 : sample code for your PHP checkout page  
 redirecturl.php3 : sample code for your PHP redirect page

Three separate folders have been provided depending upon the type of scripting language supported by your website you will need to use the relevant folder only.

## 1.3 STEPS TO INTEGRATION

To successfully integrate you need to follow the below steps:

1. Go to the '**Settings and Options**' link in the top menu and click on the '**Generate Working Key**' link.
  - ➔ Please login to your CCAvenue™ account
  - ➔ Go to "Settings & Options"
  - ➔ Click the "Get Working Key"
  - ➔ Copy the 32 bit Working Key and assign it to the variable by the name '**WorkingKey**' in the files '**checkout.asp**' as well as '**redirecturl.asp**' (or similar .jsp or .php files).

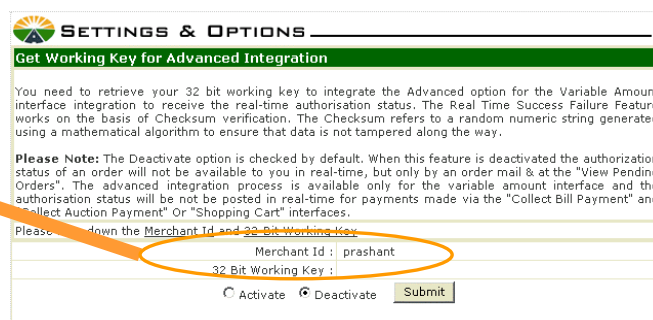


**SETTINGS & OPTIONS**

- Change Password**  
Change your account password on a regular basis for enhanced security of your account.
- Change Registration Type(Economy to Premium)**  
Upgrade from the Economy to the Premium account and SAVE on each transaction.
- General Settings**  
View and edit your registration and account details and settings.
- Customize your Billing/Shipping Page**  
Enhance your customer's experience on your website by customizing your Shopping Cart Pages and the Shipping/ Billing Pages.
- Subscribe to CCAvenue SMS Order Alert Service**  
Receive order information on your mobile by subscribing for CCAvenue Order Alerts.
- Get Working Key For Advanced Integration**  
Retrieve your 32 bit working key for Advanced Integration using the Real time Success failure feature only.
- Payment Method**  
Set the type of Payment Method by which you wish to receive your payouts from CCAvenue.
- Payment frequency**  
Set the frequency at which you wish to receive your payout from CCAvenue.

Click on the 'Get Working Key'

The Working Key is an unique 32 bit alphanumeric key assigned exclusively to you. You need to copy this key and assign it to the variable by the name '**WorkingKey**' in the files '**checkout.asp**' as well as '**redirecturl.asp**' (or similar .jsp or .php files).



**Get Working Key for Advanced Integration**

You need to retrieve your 32 bit working key to integrate the Advanced option for the Variable Amount interface integration to receive the real-time authorisation status. The Real Time Success Failure Feature works on the basis of Checksum verification. The Checksum refers to a random numeric string generated using a mathematical algorithm to ensure that data is not tampered along the way.

**Please Note:** The Deactivate option is checked by default. When this feature is deactivated the authorization status of an order will not be available to you in real-time, but only by an order mail & at the "View Pending Orders". The advanced integration process is available only for the variable amount interface and the authorisation status will not be posted in real-time for payments made via the "Collect Bill Payment" and "Collect Auction Payment" Or "Shopping Cart" interfaces.

Please download the Merchant Id and 32 Bit Working Key.

Merchant Id : prashant

32 Bit Working Key :

☐ Activate ☒ Deactivate

2. The **libfuncs** file contains functions for calculating and verifying the checksum. In the sample **checkout page (eg. checkout.asp)** you will see a Form with following parameters. You need to pass corresponding values to these parameters.

### Compulsory Parameters:

**Merchant\_Id:** This ID is generated for you at the time of activation of your site. This Member ID uniquely identifies you as a Member of CCAvenue™. You can get your CCAvenue™ Merchant Id/User Id at "Generate Key" of "Settings & Options" section.

**Order\_Id:** A Unique alphanumeric ID generated by you to uniquely identify this order. The Description/Order ID should be unique since it would allow you to identify the transaction easily.



**Amount:** Amount is the total amount of the transaction in USD, without a currency symbol or other non-numeric character. You must ensure that the value is greater than zero. Also note that up to two decimal places are allowed.

**Currency:** USD is the constant for the transaction currency.

**Redirect\_Url:** Replace the value

'<http://www.yourSite.com/yourPage.asp>' with the url of your page where you will be receiving and processing the return values. The sample-receiving page (eg. [redirecturl.asp](#)) contains the code, which can be customized by you as required.

Once the customer on your website has finished authenticating the transaction he is returned back to your website. The URL to which the customer returns back is called the Redirect URL. Once the authorization process has been completed the customer will be redirected to this URL to which we pass return values namely the Auth\_Status parameter indicating the status of the transaction along with all of the parameters mentioned above.

**Checksum:** A checksum is calculated using the **getChecksum** function, which runs a mathematical function using the parameters passed and the Key as input.

**TxnType:** TxnType is a constant and you must pass the value of "A" for this field. Changing the values of this constant will result in an error in integration.

**actionID:** actionID is also a constant and you must pass the value of "TXN" for this field. Changing the values of this constant will result in an error in integration.

### Optional Parameters:

If you would like the Billing/Shipping page on CCAvenue™ to be auto-filled with the details provided by the customer on your site, please send the following optional parameters with their corresponding values, namely:

billing\_cust\_name  
billing\_middle\_name  
billing\_last\_name  
billing\_cust\_address  
billing\_cust\_city  
billing\_cust\_zip  
billing\_cust\_country  
billing\_cust\_state  
billing\_cust\_tel\_Ctry  
billing\_cust\_tel\_Area  
billing\_cust\_tel\_No  
billing\_cust\_email  
billing\_cust\_notes  
delivery\_cust\_name  
delivery\_middle\_name  
delivery\_last\_name  
delivery\_cust\_address  
delivery\_cust\_city  
delivery\_cust\_state  
delivery\_cust\_country



delivery\_cust\_zip  
 delivery\_cust\_tel\_Ctry  
 delivery\_cust\_tel\_Area  
 delivery\_cust\_tel\_No

If the above parameters are sent with "" values (that is without a value) then your customer will be prompted to enter these details on the CCAvenue™ Shipping/Billing Page, except for the "billing\_cust\_notes" which is an optional field i.e. the customer will not be prompted to fill in the same.

The "billing\_cust\_country" and "delivery\_cust\_country" have a maxlength of 2 characters only and must contain values as outlined in the country list in the [Appendix "A"](#) attached.

**Merchant\_param:** This is an optional parameter you can send with any values of your choice.

Below is a list of all the variables that you will deal with in any transaction.

List of parameters	Data Length	Input/ Output	Values	Compulsory
<b>Merchant_Id</b>	<b>20</b>	<b>I &amp; O</b>	<b>Alphanumeric</b>	<b>Yes</b>
<b>Order_Id</b>	<b>30</b>	<b>I &amp; O</b>	<b>Alphanumeric</b>	<b>Yes</b>
<b>Amount</b>	<b>9,2</b>	<b>I &amp; O</b>	<b>Numeric , greater than 0 and up to 6 digits before the decimal point and up to 2 digits after the decimal.</b>	<b>Yes</b>
<b>Currency</b>	<b>3</b>	<b>I &amp; O</b>	<b>USD (Constant)</b>	<b>Yes</b>
<b>Redirect_Url</b>	<b>200</b>	<b>I &amp; O</b>	<b>Alphanumeric</b>	<b>Yes</b>
<b>Checksum</b>	<b>10</b>	<b>I &amp; O</b>	<b>Alphanumeric</b>	<b>Yes</b>
<b>TxnType</b>	<b>1</b>	<b>I</b>	<b>A (Constant)</b>	<b>Yes</b>
<b>actionID</b>	<b>3</b>	<b>I</b>	<b>TXN (Constant)</b>	<b>Yes</b>
billing_cust_name	30	I & O	Alpha	No
billing_middle_name	20	I & O	Alpha	No
billing_last_name	20	I & O	Alpha	No
billing_cust_address	200	I & O	Alphanumeric	No
billing_cust_city	40	I & O	Alpha	No
billing_cust_state	50	I & O	Alpha	No
billing_cust_zip	18	I & O	Alphanumeric	No
billing_cust_country	2	I & O	Alpha	No
billing_cust_tel_Ctry	3	I & O	Numeric	No
billing_cust_tel_Area	5	I & O	Numeric	No
billing_cust_tel_No	12	I & O	Numeric	No
billing_cust_email	60	I & O	Alphanumeric	No
delivery_cust_name	30	I & O	Alpha	No
delivery_middle_name	20	I & O	Alpha	No
delivery_last_name	20	I & O	Alpha	No
delivery_cust_address	200	I & O	Alphanumeric	No
delivery_cust_city	40	I & O	Alpha	No
delivery_cust_state	50	I & O	Alpha	No
delivery_cust_country	2	I & O	Alpha	No
delivery_cust_zip	18	I & O	Alphanumeric	No
delivery_cust_tel_Ctry	3	I & O	Numeric	No
delivery_cust_tel_Area	5	I & O	Numeric	No
delivery_cust_tel_No	12	I & O	Numeric	No
billing_cust_notes	500	I & O	Alphanumeric	No
Merchant_Param	100	I & O		No
Auth_Status	1	Only O		Yes



*All fields marked in bold are compulsory*

3. Depending upon the scripting language you will be using, you need to upload the files pertaining to your platform onto your website.
4. Once all the above steps are taken care of and you are ready to go live/test,
  - Please login to your CCAvenue™ account
  - Go to "Settings & Options"
  - Click the "Generate Working Key"
  - Choose the **"Activate"** option & click submit.

**SETTINGS & OPTIONS**

**Get Working Key for Advanced Integration**

You need to retrieve your 32 bit working key to integrate the Advanced option for the Variable Amount interface integration to receive the real-time authorisation status. The Real Time Success Failure Feature works on the basis of Checksum verification. The Checksum refers to a random numeric string generated using a mathematical algorithm to ensure that data is not tampered along the way.

**Please Note:** The Deactivate option is checked by default. When this feature is deactivated the authorization status of an order will not be available to you in real-time, but only by an order mail & at the "View Pending Orders". The advanced integration process is available only for the variable amount interface and the authorisation status will be not be posted in real-time for payments made via the "Collect Bill Payment" and "Collect Auction Payment" Or "Shopping Cart" interfaces.

Please note down the Merchant Id and 32-Bit Working Key

Merchant Id :	prashant
32 Bit Working Key :	
<input type="radio"/> Activate <input checked="" type="radio"/> Deactivate <input type="button" value="Submit"/>	

**Please Note:** The Deactivate option is checked by default. When this feature is deactivated the authorization status of an order will not be available to you in real-time, but only by an order mail & at the "View Pending Orders".

You could chose to activate/de-activate this real-time authorisation feature anytime by logging in to your CCAvenue account.





## 1.4 SAMPLE CODE FOR ADVANCED SITE INTEGRATION

To help you integrate your code correctly we are attaching sample code below. This code is for websites running Active Server pages only. Sample codes for JSP and PHP sites are included in the integration kits provided for each.

```
<!-- #include file = libfuncs.asp -->
<HTML>
    <HEAD>
        <TITLE>Your checkout page</TITLE>
    </HEAD>
    <BODY>
<%
    Merchant_Id = "" 'This id (also User Id) available at "Get Working Key for Advanced Site Integration" of
"Settings & Options"
    Amount = "" ' your script should substitute the amount here in the quotes provided here
    Currency="USD" ' is the constant for the transaction currency.
    Order_Id = "" ' your script should substitute the order description here in the quotes provided here
    Redirect_Url = "http://www.xyz.com/xyz.asp" ' your redirect URL where your customer will be redirected after
authorisation from CCAvenue
    TxnType="A" ' TxnType is a constant and you must pass the value of "A" for this field. Changing the values of
this constant will result in an error in integration.
    ActionID="TXN" ' actionID is also a constant and you must pass the value of "TXN" for this field. Changing
the values of this constant will result in an error in integration.
    WorkingKey = "" ' put in the 32 bit alphanumeric key in the quotes provided here. Please note that get this
key, login to your CCAvenue merchant account and visit the "Generate Working Key" section at the "Settings & Options"
page.

    Checksum = getChecksum(Merchant_Id,Amount,Order_Id ,Redirect_Url,WorkingKey)
    billing_cust_name=""
    billing_middle_name=""
    billing_last_name=""
    billing_cust_address=""
    billing_cust_city=""
    billing_cust_state=""
    billing_cust_zip=""
    billing_cust_country=""
    billing_cust_tel_Ctry=""
    billing_cust_tel_Area=""
    billing_cust_tel_No=""
    billing_cust_email=""
    delivery_cust_name=""
    delivery_middle_name=""
    delivery_last_name=""
    delivery_cust_address=""
    delivery_cust_city=""
    delivery_cust_state=""
    delivery_cust_zip=""
    delivery_cust_country=""
    delivery_cust_tel_Ctry=""
    delivery_cust_tel_Area=""
    delivery_cust_tel_No=""
    billing_cust_notes=""
    Merchant_Param=""

%>

    <form method="post" action="https://world.ccavenue.com/servlet/ccw.CCAvenueController">
    <input type="hidden" name=Merchant_Id value="<%=Merchant_Id%>">
    <input type="hidden" name=Amount value="<%=Amount%>">
    <input type="hidden" name=Currency value="USD">
    <input type="hidden" name=Order_Id value="<%=Order_Id%>">
    <input type="hidden" name=Redirect_Url value="<%=Redirect_Url%>">
    <input type="hidden" name=TxnType value="A">
    <input type="hidden" name=actionID value="TXN">
    <input type="hidden" name=Checksum value="<%=Checksum%>">
    <input type="hidden" name="billing_cust_name" value="<%=billing_cust_name%>">
    <input type="hidden" name="billing_middle_name" value="<%=billing_middle_name%>">
```



```

<input type="hidden" name="billing_last_name" value="<%=billing_last_name%>">
<input type="hidden" name="billing_cust_address" value="<%=billing_cust_address%>">
<input type="hidden" name="billing_cust_city" value="<%=billing_cust_city%>">
<input type="hidden" name="billing_cust_state" value="<%=billing_cust_state%>">
<input type="hidden" name="billing_cust_zip" value="<%=billing_cust_zip%>">
<input type="hidden" name="billing_cust_country" value="<%=billing_cust_country%>">
<input type="hidden" name="billing_cust_tel_Ctry" value="<%=billing_cust_tel_Ctry%>">
<input type="hidden" name="billing_cust_tel_Area" value="<%=billing_cust_tel_Area%>">
<input type="hidden" name="billing_cust_tel_No" value="<%=billing_cust_tel_No%>">
<input type="hidden" name="billing_cust_email" value="<%=billing_cust_email%>">
<input type="hidden" name="delivery_cust_name" value="<%=delivery_cust_name%>">
<input type="hidden" name="delivery_middle_name" value="<%=delivery_middle_name%>">
<input type="hidden" name="delivery_last_name" value="<%=delivery_last_name%>">
<input type="hidden" name="delivery_cust_address" value="<%=delivery_cust_address%>">
<input type="hidden" name="delivery_cust_city" value="<%=delivery_cust_city%>">
<input type="hidden" name="delivery_cust_state" value="<%=delivery_cust_state%>">
<input type="hidden" name="delivery_cust_zip" value="<%=delivery_cust_zip%>">
<input type="hidden" name="delivery_cust_country" value="<%=delivery_cust_country%>">
<input type="hidden" name="delivery_cust_tel_Ctry" value="<%=delivery_cust_tel_Ctry%>">
<input type="hidden" name="delivery_cust_tel_Area" value="<%=delivery_cust_tel_Area%>">
<input type="hidden" name="delivery_cust_tel_No" value="<%=delivery_cust_tel_No%>">
<input type="hidden" name="billing_cust_notes" value="<%=billing_cust_notes%>">
<input type="hidden" name="Merchant_Param" value="<%=Merchant_Param%>">
<INPUT TYPE="submit" value="submit">
</form>

</BODY>
</HTML>

```



### 1.5 TESTING ADVANCED SITE INTEGRATION

Remember that before testing you must have completed step 4 of the Steps to Integration. Two types of '**Auth\_Status**' statuses can be sent by CCAvenue™ namely '**Y**', '**N**' OR '**B**'.

- **Y** - indicates that the transaction has been **successfully authorised** by the gateway.
- **N** - indicates an **unsuccessful transaction**, as it did not receive authorisation from the gateway.
- **B** – indicates that the transaction is in batch processing mode and the authorisation status can only be determined at a later point in time. This happens only in very rare cases if any of the Gateway servers is down and we opt to process orders offline. In the case of these transactions the authorisation status is available only after 5-6 hours by mail from CCAvenue™ and at the "Pending Orders" section.

The sample receiving pages (eg. **redirecturl.asp**) can be directly used for integration with CCAvenue™ depending upon the platform of your application. You need to simply change the variables to match your variables as well as insert routines for handling a successful or unsuccessful transaction. The Checksum sent by the CCAvenue™ server needs to be verified using the **verifyChecksum** function.

If the **verifyChecksum** function returns a value of '**false**' then the data has been tampered with along the way from the CCAvenue™ server to the receiving page. This could mean that either any of the following Merchant\_Id, Order\_Id, Amount, Auth\_Status, WorkingKey values may have been tampered with. In such cases we recommend that you verify the authorisation status and the details of the transaction by logging into your CCAvenue™ merchant account and viewing the details of that order in the "Pending Orders" section.

Once activated, you can test the integration with the gateway by placing an order using a dummy card number eg. 4111 1111 1111 1111 to test for a unsuccessful transaction OR use a LIVE card number for a nominal amount (not more than USD.1/-) to test a successful transaction. Please enter the key word "**SUB-MERCHANT TEST**" in the Instructions/Notes text area in the CCAvenue™ Shipping/Billing Page.



### 5. APPENDIX

Country Code	Countries
AB	Antigua And Barbuda
AD	Andorra
AE	United Arab Emirates
AF	Afghanistan
AI	Anguilla
AL	Albania
AM	Armenia
AN	Antarctica
AO	Angola
AR	Argentina
AS	American Samoa
AT	Austria
AU	Australia
AW	Aruba
AZ	Azerbaijan
BB	Barbados
BD	Bangladesh
BE	Belgium
BF	Burkina Faso
BG	Bulgaria
BH	Bahrain
BI	Burundi
BJ	Benin
BL	Belarus
BM	Bermuda
BN	Brunei
BO	Bolivia
BR	Brazil
BS	Bahamas
BT	Bhutan
BU	Bouvet Island
BW	Botswana
BZ	Belize
CA	Canada
CG	Congo
CH	Switzerland
CI	Christmas Island
CK	Cook Islands
CL	Chile
CM	Cameroon
CN	China
CO	Colombia
CR	Costa Rica
CT	Croatia (Hrvatska)
CU	Cuba
CV	Cape Verde
CY	Cyprus
CZ	Czech Republic



Country Code	Countries
DC	Dominica
DE	Germany
DJ	Djibouti
DK	Denmark
DO	Dominican Republic
DZ	Algeria
EC	Ecuador
EG	Egypt
EL	El Salvador
EM	East Timor
EN	Estonia
ER	Eritrea
ES	Spain
ET	Ethiopia
FD	Faroe Islands
FI	Finland
FJ	Fiji Islands
FR	France
FU	French Guiana
GA	Gabon
GB	Guinea-Bissau
GD	Grenada
GG	Georgia
GH	Ghana
GI	Gibraltar
GL	Greenland
GM	Gambia
GN	Guinea
GP	Guadeloupe
GQ	Equatorial Guinea
GR	Greece
GT	Guatemala
GU	Guam
GY	Guyana
HN	Honduras
HO	Netherlands Antilles
HU	Hungary
HV	Haitiv
ID	Indonesia
IE	Ireland
IL	Israel
IN	India
IQ	Iraq
IR	Iran
IS	Iceland
IT	Italy
JM	Jamaica
JO	Jordan
JP	Japan
KE	Kenya



Country Code	Countries
KG	Kyrgyzstan
KH	Cambodia
KI	Kiribati
KM	Comoros
KW	Kuwait
KY	Cayman Islands
KZ	Kazakhstan
LA	Laos
LB	Lebanon
LE	Sierra Leone
LK	Sri Lanka
LN	Lithuania
LR	Liberia
LS	Lesotho
LT	Liechtenstein
LU	Luxembourg
LV	Latvia
LY	Libya
MA	Morocco
MC	Macao
MD	Macedonia
ME	Mayotte
MG	Madagascar
MH	Marshall Islands
MI	Micronesia
MK	Monaco
ML	Mali
MM	Myanmar
MN	Mongolia
MO	Moldova
MR	Mauritania
MS	Montserrat
MT	Malta
MU	Mauritius
MV	Maldives
MW	Malawi
MX	Mexico
MY	Malaysia
MZ	Mozambique
NA	Namibia
NC	New Caledonia
NE	Niger
NF	Norfolk Island
NG	Nigeria
NI	Nicaragua
NK	North Korea
NL	Netherlands
NO	Norway
NP	Nepal
NR	Nauru



Country Code	Countries
NU	Niue
NZ	New Zealand
OM	Oman
PA	Panama
PE	Peru
PF	French Polynesia
PG	Papua new Guinea
PH	Philippines
PI	Pitcairn Island
PK	Pakistan
PL	Poland
PR	Puerto Rico
PT	Portugal
PU	Palau
PY	Paraguay
QA	Qatar
RE	Reunion
RO	Romania
RS	Russia
RW	Rwanda
SA	Saudi Arabia
SB	Solomon Islands
SC	Seychelles
SD	Sudan
SE	Sweden
SG	Singapore
SH	Saint Helena
SI	Slovenia
SK	South Korea
SL	Saint Lucia
SM	San Marino
SN	Senegal
SO	Somalia
SR	Suriname
SV	Slovakia
SY	Syria
SZ	Swaziland
TA	Tanzania
TD	Chad
TG	Togo
TH	Thailand
TJ	Tajikistan
TK	Turkmenistan
TL	Tokelau
TN	Tunisia
TO	Tonga
TR	Turkey
TT	Trinidad And Tobago
TV	Tuvalu
TW	Taiwan



Country Code	Countries
UG	Uganda
UK	United Kingdom
UN	Ukraine
US	United States
UY	Uruguay
UZ	Uzbekistan
VC	Vatican City
VE	Venezuela
VT	Vietnam
VU	Vanuatu
WH	Western Sahara
WS	Samoa
YE	Yemen
YU	Yugoslavia
ZA	South Africa
ZM	Zambia
ZW	Zimbabwe





Avenues (I) Pvt. Ltd., Avenues World Pte. Ltd. and AVENUES LIMITED are the Holding company for a number of e-Ventures aimed at providing end-to-end solutions for a variety of industry verticals.

### **CCAvenue™ World**

CCAvenue is India's largest payment gateway and has the largest share in the volume of online transactions. With the launch of CCAvenue World we are India's only payment gateway with the ability to process your transactions in USD. This feature, combined with our close geographical proximity, will now give you benefits that you have never enjoyed before.

### **ResAvenue**

ResAvenue, aims to provide cost cutting, advanced hotel industry transaction processing solutions and electronic commerce services to help the Hotelier achieve profitability, so that they can focus on their core competency--a superb guest experience. As the owner/promoter of an independent or branded hotel, a major hotel chain or hotel management company, you can stay ahead of your competitors and capture new market share with an effective Online Distribution Strategy through the ResAvenue Property Management System.

### **CineAvenue**

CineAvenue is aimed at venue owners (theatres, schools, sports, entertainment and event venues) to provide an interactive seat map technology and private label experience, to enable them to seamlessly offer patrons, a 24/7 Internet box office, completely integrated with all possible electronic real time payment options. With real time control of online inventory, CineAvenue will provide the Venue owner with a complete, inexpensive, simple-to-use, un-staffed, reliable and totally secure ticketing solution.



[www.ccavenue.com](http://www.ccavenue.com)



[www.resavenue.com](http://www.resavenue.com)



[www.cineavenue.com](http://www.cineavenue.com)

Await the launch of our new ventures! Coming soon!