**AuthorizeNet & ARB**

AuthorizedNet is **AIM** means Advance Integration Method. AIM is used for online transaction but with authorized way. It means Admin need to authorized the amount or order submitted by end-user.

After authorization it will go for Capture. Once amount will be captured by Admin that means it is queued for Unsettled Transaction. After some hour it will process automatically for settled Transaction.

* **Authorized:** it means amount is Approved by Admin or Merchant
* **Capture :** it means amount is deducted from buyer account
* **Unsettled :** it means amount is not yet deposited to Merchant account
* **Settled :** it means account is deposited to Merchant account. This is the final process for Transaction

**What is ARB??**

ARB means Automatic Recurring Billing. ARB is used for subscription .ARB can be created monthly , yearly , half yearly etc. Once ARB is created Amount will be deducted from buyer account as according to set ARB details . It will continue until it is canceled by Merchant or Admin.

**How To Work with AIM ARB C#?**

1) First of all you need to Add reference of AuthorizeNet.  
 2) Add reference of AIM DLL

(Download AIM.DLL file)  
   
\*\*Now access all Classes of AIM ARB according to your needs\*\*\*  
  
1) To create Order by customer  
   
 #1>> create object of AIMTransaction class  
 #2>> Invoke CreateOrder method  
 #3>> pass following parameters

|  |  |
| --- | --- |
| Data Type | Parameter |
| string | LoginAPI (get it from your Authorized.net account) |
| string | TransactionKey (get it from your Authorized.net account) |
| string | cardNumber (credit card number) |
| string | expirationMonthAndYear |
| decimal | amount |
| string | description |
| string | FirstName |
| string | LastName |
| string | Address |
| string | Country |

#4>> It will return a message suucess/error  
  
2) To get list of Unsetteled Transaction  
   
 #1>> Invoke UnsetteledTransaction  
 #2>> pass following parameters

|  |  |
| --- | --- |
| Data Type | Parameter |
| string | LoginAPI (get it from your Authorized.net account) |
| string | TransactionKey (get it from your Authorized.net account) |

#3>> It will return you Unsetteled Transaction list  
  
  
3) To get list of Setteled Transaction  
   
 #1>> Invoke SetteledTransaction  
 #2>> pass following parameters

|  |  |
| --- | --- |
| Data Type | Parameter |
| string | LoginAPI (get it from your Authorized.net account) |
| string | TransactionKey (get it from your Authorized.net account) |

#3>> It will return you Setteled Transaction list  
  
4) Create Subscription or ARB  
   
 #1>> create object of ARB class  
 #2>> Invoke createSubscription method  
 #3>> pass following parameters

|  |  |
| --- | --- |
| Data Type | Parameter |
| string | LoginAPI (get it from your Authorized.net account) |
| string | TransactionKey (get it from your Authorized.net account) |
| string | transaction\_id |
| string | BuyerEmailId |
| string | CardNumber |
| short | BillingInterval |
| int | CardExpirationMonth |
| int | CardExpirationYear |
| string | InvoiceNumber |
| DateTime | StartsOn (start date) |
| string | StreetAddress |
| decimal | amount |
| short | numberOfBillings |

#4>> It will return you Subscription ID ,save it in DB because require while cancel subscription  
  
4) Cancel Subscription or ARB  
   
 #1>> create object of AIMTransaction class  
 #2>> Invoke CancelSubscription method  
 #3>> pass following parameters

|  |  |
| --- | --- |
| Data Type | Parameter |
| string | LoginAPI (get it from your Authorized.net account) |
| string | TransactionKey (get it from your Authorized.net account) |
| string | sub\_id |

#4>> It will return you message success/error  
  
  
5) Refund Amount to User  
   
 #1>> create object of AIMTransaction class  
 #2>> Invoke Refund method  
 #3>> pass following parameters

|  |  |
| --- | --- |
| Data Type | Parameter |
| string | LoginAPI (get it from your Authorized.net account) |
| string | TransactionKey (get it from your Authorized.net account) |
| string | id (id here is transaction Id) |
| decimal | amount |
| string | creditcardNuber |

#4>> It will return you message success/error  
  
  
6) Capture Amount by Admin  
   
 #1>> create object of AIMTransaction class  
 #2>> Invoke Capture method  
 #3>> pass following parameters

|  |  |
| --- | --- |
| Data Type | Parameter |
| string | LoginAPI (get it from your Authorized.net account) |
| string | TransactionKey (get it from your Authorized.net account) |
| string | transaction\_id |
| decimal | amount |

#4>> It will return you message success/error  
  
6) Void Amount by Admin  
   
 #1>> create object of AIMTransaction class  
 #2>> Invoke VoidAMI method  
 #3>> pass following parameters

|  |  |
| --- | --- |
| Data Type | Parameter |
| string | LoginAPI (get it from your Authorized.net account) |
| string | TransactionKey (get it from your Authorized.net account) |
| string | id (id here as Transaction Id) |
| decimal | creditcardNuber |

#4>> It will return you message success/error