

```
#####  
#                                                                 #  
#  D I S C L A I M E R                                         #  
#                                                                 #  
#  WARNING: ANY USE BY YOU OF THE SAMPLE CODE PROVIDED        #  
#  IS AT YOUR OWN RISK.                                        #  
#                                                                 #  
#  The code is provided "as is" without                        #  
#  warranty of any kind, either express or implied,           #  
#  including but not limited to the implied warranties        #  
#  of merchantability and/or fitness for a particular        #  
#  purpose.                                                    #  
#                                                                 #  
#                                                                 #  
#####
```

```
import pycurl  
import urllib  
import urlparse  
import StringIO
```

```
class gwapi():
```

```
    def __init__(self):  
        self.login= dict()  
        self.order = dict()  
        self.billing = dict()  
        self.shipping = dict()  
        self.responses = dict()
```

```
    def setLogin(self,username,password):  
        self.login['password'] = password  
        self.login['username'] = username
```

```
    def setOrder(self,orderid,orderdescription,tax,shipping,  
ponumber,ipaddress):  
        self.order['orderid'] = orderid;  
        self.order['orderdescription'] = orderdescription  
        self.order['shipping'] = '{0:.2f}'.format(float(shipping))  
        self.order['ipaddress'] = ipaddress  
        self.order['tax'] = '{0:.2f}'.format(float(tax))  
        self.order['ponumber'] = ponumber
```

```
    def setBilling(self,  
        firstname,  
        lastname,  
        company,  
        address1,  
        address2,  
        city,  
        state,  
        zip,  
        country,
```

```

        phone,
        fax,
        email,
        website):
self.billing['firstname'] = firstname
self.billing['lastname'] = lastname
self.billing['company'] = company
self.billing['address1'] = address1
self.billing['address2'] = address2
self.billing['city'] = city
self.billing['state'] = state
self.billing['zip'] = zip
self.billing['country'] = country
self.billing['phone'] = phone
self.billing['fax'] = fax
self.billing['email'] = email
self.billing['website'] = website

def setShipping(self,firstname,
                lastname,
                company,
                address1,
                address2,
                city,
                state,
                zipcode,
                country,
                email):
self.shipping['firstname'] = firstname
self.shipping['lastname'] = lastname
self.shipping['company'] = company
self.shipping['address1'] = address1
self.shipping['address2'] = address2
self.shipping['city'] = city
self.shipping['state'] = state
self.shipping['zip'] = zipcode
self.shipping['country'] = country
self.shipping['email'] = email

def doSale(self,amount, ccnumber, ccexp, cvv=''):

    query = ""
    # Login Information

    query = query + "username=" + urllib.quote(self.login['username']) +
"&"
    query += "password=" + urllib.quote(self.login['password']) + "&"
    # Sales Information
    query += "ccnumber=" + urllib.quote(ccnumber) + "&"
    query += "ccexp=" + urllib.quote(ccexp) + "&"
    query += "amount=" + urllib.quote('{0:.2f}'.format(float(amount))) +
"&"

    if (cvv!=''):
        query += "cvv=" + urllib.quote(cvv) + "&"
    # Order Information
    for key,value in self.order.iteritems():

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```

        query += key + "=" + urllib.quote(str(value)) + "&"

    # Billing Information
    for key,value in self.billing.iteritems():
        query += key + "=" + urllib.quote(str(value)) + "&"

    # Shipping Information
    for key,value in self.shipping.iteritems():
        query += key + "=" + urllib.quote(str(value)) + "&"

    query += "type=sale"
    return self.doPost(query)

def doPost(self,query):
    responseIO = StringIO.StringIO()
    curlObj = pycurl.Curl()
    curlObj.setopt(pycurl.POST,1)
    curlObj.setopt(pycurl.CONNECTTIMEOUT,15)
    curlObj.setopt(pycurl.TIMEOUT,15)
    curlObj.setopt(pycurl.HEADER,0)
    curlObj.setopt(pycurl.SSL_VERIFYPEER,0)
    curlObj.setopt(pycurl.WRITEFUNCTION,responseIO.write);

curlObj.setopt(pycurl.URL,"https://secure.payscout.com/api/transact.php")

    curlObj.setopt(pycurl.POSTFIELDS,query)

    curlObj.perform()

    data = responseIO.getvalue()
    temp = urlparse.parse_qs(data)
    for key,value in temp.iteritems():
        self.responses[key] = value[0]
    return self.responses['response']

# NOTE: your username and password should replace the ones below
gw = gwapi()
gw.setLogin("demo", "password");

gw.setBilling("John","Smith","Acme, Inc.,""123 Main St","Suite 200", "Beverly Hills",
    "CA","90210","US","555-555-5555","555-555-5556","support@example.com",
    "www.example.com")
gw.setShipping("Mary","Smith","na","124 Shipping Main St","Suite Ship",
    "Beverly Hills",
    "CA","90210","US","support@example.com")
gw.setOrder("1234","Big Order",1, 2, "PO1234","65.192.14.10")

r = gw.doSale("5.00","4111111111111111","1212",'999')
print gw.responses['response']

if (int(gw.responses['response']) == 1) :
    print "Approved"

```

```
elif (int(gw.responses['response']) == 2) :  
    print "Declined"  
elif (int(gw.responses['response']) == 3) :  
    print "Error"
```