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define("APPROVED", 1);
define("DECLINED", 2);
define("ERROR", 3);

class gwapi {

// Initial Setting Functions

function setLogin($username, $password) {
    $this->login['username'] = $username;
    $this->login['password'] = $password;
}

function setOrder($orderid,
    $orderdescription,
    $tax,
    $shipping,
    $ponumber,
    $ipaddress) {
    $this->order['orderid']          = $orderid;
    $this->order['orderdescription'] = $orderdescription;
    $this->order['tax']              = $tax;
    $this->order['shipping']         = $shipping;
    $this->order['ponumber']         = $ponumber;
    $this->order['ipaddress']        = $ipaddress;
}

function setBilling($firstname,
    $lastname,
    $company,
    $address1,
    $address2,
    $city,
    $state,
    $zip,
    $country,
    $phone,
    $fax,
    $email,
    $website) {
    $this->billing['firstname'] = $firstname;
    $this->billing['lastname']  = $lastname;
    $this->billing['company']   = $company;
    $this->billing['address1']  = $address1;
    $this->billing['address2']  = $address2;
    $this->billing['city']      = $city;
    $this->billing['state']     = $state;
    $this->billing['zip']       = $zip;
    $this->billing['country']   = $country;
    $this->billing['phone']     = $phone;
    $this->billing['fax']       = $fax;
    $this->billing['email']     = $email;
    $this->billing['website']   = $website;
}

function setShipping($firstname,
    $lastname,

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    $company,
    $address1,
    $address2,
    $city,
    $state,
    $zip,
    $country,
    $email) {
$this->shipping['firstname'] = $firstname;
$this->shipping['lastname'] = $lastname;
$this->shipping['company'] = $company;
$this->shipping['address1'] = $address1;
$this->shipping['address2'] = $address2;
$this->shipping['city'] = $city;
$this->shipping['state'] = $state;
$this->shipping['zip'] = $zip;
$this->shipping['country'] = $country;
$this->shipping['email'] = $email;
}

// Transaction Functions

function doSale($amount, $ccnumber, $ccexp, $cvv="") {

$query = "";
// Login Information
$query .= "username=" . urlencode($this->login['username']) . "&";
$query .= "password=" . urlencode($this->login['password']) . "&";
// Sales Information
$query .= "ccnumber=" . urlencode($ccnumber) . "&";
$query .= "ccexp=" . urlencode($ccexp) . "&";
$query .= "amount=" . urlencode(number_format($amount,2,".", "")) . "&";
$query .= "cvv=" . urlencode($cvv) . "&";
// Order Information
$query .= "ipaddress=" . urlencode($this->order['ipaddress']) . "&";
$query .= "orderid=" . urlencode($this->order['orderid']) . "&";
$query .= "orderdescription=" . urlencode($this->order['orderdescription']) . "&";
$query .= "tax=" . urlencode(number_format($this->order['tax'],2,".", "")) . "&";
$query .= "shipping=" . urlencode(number_format($this->order['shipping'],2,".", "")) . "&";
$query .= "ponumber=" . urlencode($this->order['ponumber']) . "&";
// Billing Information
$query .= "firstname=" . urlencode($this->billing['firstname']) . "&";
$query .= "lastname=" . urlencode($this->billing['lastname']) . "&";
$query .= "company=" . urlencode($this->billing['company']) . "&";
$query .= "address1=" . urlencode($this->billing['address1']) . "&";
$query .= "address2=" . urlencode($this->billing['address2']) . "&";
$query .= "city=" . urlencode($this->billing['city']) . "&";
$query .= "state=" . urlencode($this->billing['state']) . "&";
$query .= "zip=" . urlencode($this->billing['zip']) . "&";
$query .= "country=" . urlencode($this->billing['country']) . "&";
$query .= "phone=" . urlencode($this->billing['phone']) . "&";
$query .= "fax=" . urlencode($this->billing['fax']) . "&";
$query .= "email=" . urlencode($this->billing['email']) . "&";
$query .= "website=" . urlencode($this->billing['website']) . "&";

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    // Shipping Information
    $query .= "shipping_firstname=" . urlencode($this->shipping['firstname'])
. "&";
    $query .= "shipping_lastname=" . urlencode($this->shipping['lastname']) .
"&";
    $query .= "shipping_company=" . urlencode($this->shipping['company']) .
"&";
    $query .= "shipping_address1=" . urlencode($this->shipping['address1']) .
"&";
    $query .= "shipping_address2=" . urlencode($this->shipping['address2']) .
"&";
    $query .= "shipping_city=" . urlencode($this->shipping['city']) . "&";
    $query .= "shipping_state=" . urlencode($this->shipping['state']) . "&";
    $query .= "shipping_zip=" . urlencode($this->shipping['zip']) . "&";
    $query .= "shipping_country=" . urlencode($this->shipping['country']) .
"&";
    $query .= "shipping_email=" . urlencode($this->shipping['email']) . "&";
    $query .= "type=sale";
    return $this->_doPost($query);
}

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function doAuth($amount, $ccnumber, $ccexp, $cvv="") {

    $query = "";
    // Login Information
    $query .= "username=" . urlencode($this->login['username']) . "&";
    $query .= "password=" . urlencode($this->login['password']) . "&";
    // Sales Information
    $query .= "ccnumber=" . urlencode($ccnumber) . "&";
    $query .= "ccexp=" . urlencode($ccexp) . "&";
    $query .= "amount=" . urlencode(number_format($amount,2,".", "")) . "&";
    $query .= "cvv=" . urlencode($cvv) . "&";
    // Order Information
    $query .= "ipaddress=" . urlencode($this->order['ipaddress']) . "&";
    $query .= "orderid=" . urlencode($this->order['orderid']) . "&";
    $query .= "orderdescription=" . urlencode($this->order['orderdescription']) . "&";
    $query .= "tax=" . urlencode(number_format($this->order['tax'],2,".", ""))
. "&";
    $query .= "shipping=" . urlencode(number_format($this->order['shipping'],2,".", ""))
. "&";
    $query .= "ponumber=" . urlencode($this->order['ponumber']) . "&";
    // Billing Information
    $query .= "firstname=" . urlencode($this->billing['firstname']) . "&";
    $query .= "lastname=" . urlencode($this->billing['lastname']) . "&";
    $query .= "company=" . urlencode($this->billing['company']) . "&";
    $query .= "address1=" . urlencode($this->billing['address1']) . "&";
    $query .= "address2=" . urlencode($this->billing['address2']) . "&";
    $query .= "city=" . urlencode($this->billing['city']) . "&";
    $query .= "state=" . urlencode($this->billing['state']) . "&";
    $query .= "zip=" . urlencode($this->billing['zip']) . "&";
    $query .= "country=" . urlencode($this->billing['country']) . "&";
    $query .= "phone=" . urlencode($this->billing['phone']) . "&";
    $query .= "fax=" . urlencode($this->billing['fax']) . "&";
    $query .= "email=" . urlencode($this->billing['email']) . "&";
    $query .= "website=" . urlencode($this->billing['website']) . "&";
    // Shipping Information

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    $query .= "shipping_firstname=" . urlencode($this->shipping['firstname'])
    . "&";
    $query .= "shipping_lastname=" . urlencode($this->shipping['lastname']) .
"&";
    $query .= "shipping_company=" . urlencode($this->shipping['company']) .
"&";
    $query .= "shipping_address1=" . urlencode($this->shipping['address1']) .
"&";
    $query .= "shipping_address2=" . urlencode($this->shipping['address2']) .
"&";
    $query .= "shipping_city=" . urlencode($this->shipping['city']) . "&";
    $query .= "shipping_state=" . urlencode($this->shipping['state']) . "&";
    $query .= "shipping_zip=" . urlencode($this->shipping['zip']) . "&";
    $query .= "shipping_country=" . urlencode($this->shipping['country']) .
"&";
    $query .= "shipping_email=" . urlencode($this->shipping['email']) . "&";
    $query .= "type=auth";
    return $this->_doPost($query);
}

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function doCredit($amount, $ccnumber, $ccexp) {

    $query = "";
    // Login Information
    $query .= "username=" . urlencode($this->login['username']) . "&";
    $query .= "password=" . urlencode($this->login['password']) . "&";
    // Sales Information
    $query .= "ccnumber=" . urlencode($ccnumber) . "&";
    $query .= "ccexp=" . urlencode($ccexp) . "&";
    $query .= "amount=" . urlencode(number_format($amount,2,".", "")) . "&";
    // Order Information
    $query .= "ipaddress=" . urlencode($this->order['ipaddress']) . "&";
    $query .= "orderid=" . urlencode($this->order['orderid']) . "&";
    $query .= "orderdescription=" . urlencode($this->order['orderdescription']) . "&";
    $query .= "tax=" . urlencode(number_format($this->order['tax'],2,".", ""))
    . "&";
    $query .= "shipping=" . urlencode(number_format($this->order['shipping'],2,".", ""))
    . "&";
    $query .= "ponumber=" . urlencode($this->order['ponumber']) . "&";
    // Billing Information
    $query .= "firstname=" . urlencode($this->billing['firstname']) . "&";
    $query .= "lastname=" . urlencode($this->billing['lastname']) . "&";
    $query .= "company=" . urlencode($this->billing['company']) . "&";
    $query .= "address1=" . urlencode($this->billing['address1']) . "&";
    $query .= "address2=" . urlencode($this->billing['address2']) . "&";
    $query .= "city=" . urlencode($this->billing['city']) . "&";
    $query .= "state=" . urlencode($this->billing['state']) . "&";
    $query .= "zip=" . urlencode($this->billing['zip']) . "&";
    $query .= "country=" . urlencode($this->billing['country']) . "&";
    $query .= "phone=" . urlencode($this->billing['phone']) . "&";
    $query .= "fax=" . urlencode($this->billing['fax']) . "&";
    $query .= "email=" . urlencode($this->billing['email']) . "&";
    $query .= "website=" . urlencode($this->billing['website']) . "&";
    $query .= "type=credit";
    return $this->_doPost($query);
}

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function doOffline($authorizationcode, $amount, $ccnumber, $ccexp) {

    $query = "";
    // Login Information
    $query .= "username=" . urlencode($this->login['username']) . "&";
    $query .= "password=" . urlencode($this->login['password']) . "&";
    // Sales Information
    $query .= "ccnumber=" . urlencode($ccnumber) . "&";
    $query .= "ccexp=" . urlencode($ccexp) . "&";
    $query .= "amount=" . urlencode(number_format($amount,2,".", "")) . "&";
    $query .= "authorizationcode=" . urlencode($authorizationcode) . "&";
    // Order Information
    $query .= "ipaddress=" . urlencode($this->order['ipaddress']) . "&";
    $query .= "orderid=" . urlencode($this->order['orderid']) . "&";
    $query .= "orderdescription=" . urlencode($this->order['orderdescription']) . "&";
    $query .= "tax=" . urlencode(number_format($this->order['tax'],2,".", "")) . "&";
    $query .= "shipping=" . urlencode(number_format($this->order['shipping'],2,".", "")) . "&";
    $query .= "ponumber=" . urlencode($this->order['ponumber']) . "&";
    // Billing Information
    $query .= "firstname=" . urlencode($this->billing['firstname']) . "&";
    $query .= "lastname=" . urlencode($this->billing['lastname']) . "&";
    $query .= "company=" . urlencode($this->billing['company']) . "&";
    $query .= "address1=" . urlencode($this->billing['address1']) . "&";
    $query .= "address2=" . urlencode($this->billing['address2']) . "&";
    $query .= "city=" . urlencode($this->billing['city']) . "&";
    $query .= "state=" . urlencode($this->billing['state']) . "&";
    $query .= "zip=" . urlencode($this->billing['zip']) . "&";
    $query .= "country=" . urlencode($this->billing['country']) . "&";
    $query .= "phone=" . urlencode($this->billing['phone']) . "&";
    $query .= "fax=" . urlencode($this->billing['fax']) . "&";
    $query .= "email=" . urlencode($this->billing['email']) . "&";
    $query .= "website=" . urlencode($this->billing['website']) . "&";
    // Shipping Information
    $query .= "shipping_firstname=" . urlencode($this->shipping['firstname']) . "&";
    $query .= "shipping_lastname=" . urlencode($this->shipping['lastname']) . "&";
    $query .= "shipping_company=" . urlencode($this->shipping['company']) . "&";
    $query .= "shipping_address1=" . urlencode($this->shipping['address1']) . "&";
    $query .= "shipping_address2=" . urlencode($this->shipping['address2']) . "&";
    $query .= "shipping_city=" . urlencode($this->shipping['city']) . "&";
    $query .= "shipping_state=" . urlencode($this->shipping['state']) . "&";
    $query .= "shipping_zip=" . urlencode($this->shipping['zip']) . "&";
    $query .= "shipping_country=" . urlencode($this->shipping['country']) . "&";
    $query .= "shipping_email=" . urlencode($this->shipping['email']) . "&";
    $query .= "type=offline";
    return $this->_doPost($query);
}

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function doCapture($transactionid, $amount =0) {

    $query = "";
    // Login Information
    $query .= "username=" . urlencode($this->login['username']) . "&";
    $query .= "password=" . urlencode($this->login['password']) . "&";
    // Transaction Information
    $query .= "transactionid=" . urlencode($transactionid) . "&";
    if ($amount>0) {
        $query .= "amount=" . urlencode(number_format($amount,2,".", "")) .
"&";
    }
    $query .= "type=capture";
    return $this->_doPost($query);
}

function doVoid($transactionid) {

    $query = "";
    // Login Information
    $query .= "username=" . urlencode($this->login['username']) . "&";
    $query .= "password=" . urlencode($this->login['password']) . "&";
    // Transaction Information
    $query .= "transactionid=" . urlencode($transactionid) . "&";
    $query .= "type=void";
    return $this->_doPost($query);
}

function doRefund($transactionid, $amount = 0) {

    $query = "";
    // Login Information
    $query .= "username=" . urlencode($this->login['username']) . "&";
    $query .= "password=" . urlencode($this->login['password']) . "&";
    // Transaction Information
    $query .= "transactionid=" . urlencode($transactionid) . "&";
    if ($amount>0) {
        $query .= "amount=" . urlencode(number_format($amount,2,".", "")) .
"&";
    }
    $query .= "type=refund";
    return $this->_doPost($query);
}

function _doPost($query) {
    $ch = curl_init();
    curl_setopt($ch, CURLOPT_URL,
"https://secure.payscout.com/api/transact.php");
    curl_setopt($ch, CURLOPT_CONNECTTIMEOUT, 15);
    curl_setopt($ch, CURLOPT_TIMEOUT, 15);
    curl_setopt($ch, CURLOPT_RETURNTRANSFER, 1);
    curl_setopt($ch, CURLOPT_HEADER, 0);
    curl_setopt($ch, CURLOPT_SSL_VERIFYPEER, 0);

    curl_setopt($ch, CURLOPT_POSTFIELDS, $query);
    curl_setopt($ch, CURLOPT_POST, 1);
}

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    if (!( $data = curl_exec($ch) ) ) {
        return ERROR;
    }
    curl_close($ch);
    unset($ch);
    print "\n$data\n";
    $data = explode("&",$data);
    for($i=0;$i<count($data);$i++) {
        $rdata = explode("=", $data[$i]);
        $this->responses[$rdata[0]] = $rdata[1];
    }
    return $this->responses['response'];
}
}

$gw = new 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("50.00","4111111111111111","1010");
print $gw->responses['responsetext'];

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