

## CACHE

**\$this->cache->delete(\$key)** - Deletes cache [product, category, country, zone, language, currency, manufacturer]

## CART

**\$this->cart->getProducts()** Gets all products currently in the cart including options, discounted prices, etc.

**\$this->cart->add( \$product\_id, \$qty = 1, \$options = array())** - Allows you to add a product to the cart

**\$this->cart->remove( \$key )** - Allows you to remove a product from the cart

**\$this->cart->clear()** - Allows you to remove all products from the cart

**\$this->cart->getWeight()** - Sum of the weight of all products in the cart that have require shipping set to Yes

**\$this->cart->getSubTotal()** - returns the subtotal of all products added together before tax

**\$this->cart->getTotal()** - returns the total of all products added together after tax

**\$this->cart->countProducts()** - returns the count of all product in the cart

**\$this->cart->hasProducts()** - returns true if there is at least one item in the cart

**\$this->cart->hasStock()** - returns false if there is at least one item in the cart that is out of stock

**\$this->cart->hasProducts()** - returns true if there is at least one item in the cart that requires shipping

**\$this->cart->hasDownload()** - returns true if there is at least one item in the cart that has a download associated

## CONFIG

**\$this->config->get(\$key)** - returns setting value by keyname based on application (catalog or admin)

**\$this->config->set(\$key, \$value)** - set the value to override the setting value. DOES NOT SAVE TO DATABASE

## CURRENCY

**\$this->currency->set(\$currency)** - set or override the currency code to be used in the session

**\$this->currency->format(\$number, \$currency = "", \$value = "", \$format = TRUE)** - format the currency

**\$this->currency->convert(\$value, \$from, \$to)** - convert a value from one currency to another. Currencies must exist

**\$this->currency->getId()** - get the database entry id for the current currency (1, 2, 3, 4)

**\$this->currency->getCode()** - get the 3-letter iso code for the current currency (USD, EUR, GBP, AUD, etc)

**\$this->currency->getValue(\$currency)** - get the current exchange rate from the database for the specified currency.

**\$this->currency->has(currency)** - Check if a currency exists in the opencart currency list

## CUSTOMER

**\$this->customer->login(\$email, \$password)** - Log a customer in

**\$this->customer->logout()** - Log a customer out

**\$this->customer->isLoggedIn()** - check if customer is logged in

**\$this->customer->getId()** - get the database entry id for the current customer (integer)

**\$this->customer->getFirstName()** - get customer first name

**\$this->customer->getLastName()** - get customer last name

**\$this->customer->getEmail()** - get customer email

**\$this->customer->getTelephone()** - get customer telephone number

**\$this->customer->getFax()** - get customer fax number

**\$this->customer->getNewsletter()** - get customer newsletter status

**\$this->customer->getCustomerId()** - get customer group id

**\$this->customer->getAddressId()** - get customer default address id (maps to the address database field)

## DATABASE

**\$this->db->query(\$sql)** - Execute the specified sql statement. Returns row data and rowcount.

**\$this->db->escape(\$value)** - Escape/clean data before entering it into database

**\$this->db->countAffected(\$sql)** - Returns count of affected rows from most recent query execution

**\$this->db->getLastId(\$sql)** - Returns last auto-increment id from more recent query execution

## DOCUMENT (\*Called from controller only before render)

**\$this->document->setTitle(\$title)** - Set page title

**\$this->document->getTitle()** - Get page title

**\$this->document->setDescription(\$description)** - Set meta description

**\$this->document->getDescription()** - Get meta description

**\$this->document->setKeywords()** - Set meta keywords

**\$this->document->getKeywords()** - Get meta keywords

**\$this->document->setBase(\$base)** - Set page base

**\$this->document->getBase()** - Get page base

**\$this->document->setCharset(\$charset)** - Set page charset

**\$this->document->getCharset()** - Get page charset

**\$this->document->setLanguage(\$language)** - Set page language

**\$this->document->getLanguage()** - Get page language

**\$this->document->setDirection(\$direction)** - Set page direction (rtl/ltr)

**\$this->document->getDirection()** - Get page direction (rtl/ltr)

**\$this->document->addLink( \$href, \$rel )** - Add dynamic <link> tag

**\$this->document->getLinks()** - Get page link tags

**\$this->document->addStyle( \$href, \$rel = 'stylesheet', \$media = 'screen' )** - Add dynamic style

**\$this->document->getStyles()** - Get page styles

**\$this->document->addScript( \$script )** - Add dynamic script

**\$this->document->getScripts()** - Get page scripts

**\$this->document->addBreadcrumb(\$text, \$href, \$separator = ' &gt; ')** - Add breadcrumb

**\$this->document->getBreadcrumbs()** - Get Breadcrumbs

## ENCRYPT

**\$this->encryption->encrypt(\$value)** - Encrypt data based on key in admin settings

**\$this->encryption->decrypt(\$value)** - Decrypt data based on key in admin settings

## IMAGE

**\$this->image->resize(\$width = 0, \$height = 0)**

## JSON

**\$this->json->encode( \$data )**

**\$this->json->decode( \$data , \$assoc = FALSE)**

## LANGUAGE

**\$this->language->load(\$filename);**

## LENGTH

**\$this->length->convert(\$value, \$from, \$to)** - convert a length to another. units must exist

**\$this->length->format(\$value, \$unit, \$decimal\_point = '.', \$thousand\_point = ',')** - format the length to use unit

## LOG

**\$this->log->write(\$message)** - Writes to the system error log

## REQUEST

**\$this->request->clean(\$data)** - Cleans the data coming in to prevent XSS

**\$this->request->get['x']** - Same as \$\_GET['x']

**\$this->request->post['x']** - Same as \$\_POST['x']

## RESPONSE

**\$this->response->addHeader(\$header)** - additional php header tags can be defined here

**\$this->response->redirect(\$url)** - redirects to the url specified

## TAX

**\$this->tax->setZone(\$country\_id, \$zone\_id)** - Set the country and zone id for taxing (integer)

**\$this->tax->calculate(\$value, \$tax\_class\_id, \$calculate = TRUE)** - Calculate all taxes to be added to the total

**\$this->tax->getRate(\$tax\_class\_id)** - Get the rates of a tax class id

**\$this->tax->getDescription(\$tax\_class\_id)** - Get the description of a tax class id

**\$this->tax->has(\$tax\_class\_id)** - Check if a tax class id exists in opencart

## SESSION

**\$this->session->data['x']** - Same as \$\_SESSION['x']