# Order Some Food
## API Reference Guide

## Sending Data

The API receives POST requests to specific URLs, each POST request contains the following information:

'key' => Your API Key
'signature' => A sha1 hash of the API key, the API secret key and the data being sent

The combination of the these 3 pieces of information in an encrypted string prevents data being tampered with when posted to the API.

The URL in which you will send the POST requests will be in the format:
www.example.com/api/module

For Example, for the PHP Codeigniter website a request will be:

```
$response  = $this->curl->simple_post('api/takeaway', array(
                        'key'=>API_KEY,
                        'signature'=>sha1(API_KEY.API_SECRET.$_GET['location']),
                        'location'=>$_GET['location']));
```

The server will then respond with an XML formatted document.

## Get Nearby Takeaways

To get takeaways near to a specified location send the POST request to:

/api/takeaways

With the values:

'key' = API key
'signature' = Sha1 encryption
'location' = The post code or town name

The server will respond with XML structured as follows:

```
<search>
  <takeaway>
    <name></name>
    <description></description>
    <openfrom></openfrom>
    <time></time>
    <category></category>
    <rating></rating>
    <status></status>
    <id></id>
    <longitude></longitude>
```

```
        <latitude></latitude>
    </takeaway>
    ....
</search>
```

# Get a Takeaways Menu
To get a menu for specific takeaway:

/api/menu

With the values:

'key' = API key
'signature' = Sha1 encryption
'takeaway' = The takeaway ID number

The server will respond with XML structured as follows:

```
<menu>
    <takeaway>
        <name></name>
        <description></description>
        <openfrom></openfrom>
        <delivery></delivery>
        <rating></rating>
        <status></status>
        <id></id>
    </takeaway>

    <category name="" id="">

        <item>
            <id></id>
            <name></name>
            <description></description>
            <price></price>

                <item>
                    <id></id>
                    <name></name>
                    <price></price>
                </item>
        </item>
        <item>
        ...
        </item>
        ...
    </category>
    ....

</menu>
```

## Place an order

To place an order to a specific takeaway:

/api/order

With the values:

'key' = API key
'signature' = Sha1 encryption
'order' = XML structured string

The order XML string should be structured as follows:

```
<order>
    <takeaway>(The Takeaway ID)</takeaway>
    <name>(Customer Name)</name>
    <address1>(Customer Address)</address1>
    <address2></address2>
    <town></town>
    <postcode></postcode>
    <telephone></telephone>
    <comments></comments>
    <delivery>(1=Collection, 2=Cash on Delivery)</delivery>

    <item>
        <id></id>
        <price></price>
        <qty></qty>
    </item>
    <item>
     ....
    </item>
     ....
</order>
```

The server will respond with the following:

```
<orderresponse>
    <status></status>
    <orderId></orderId>
    <message></message>
</orderresponse>
```