

# Grains & Oil Marketplace: Client Deployment & Usage Guide

## 1. Required Software

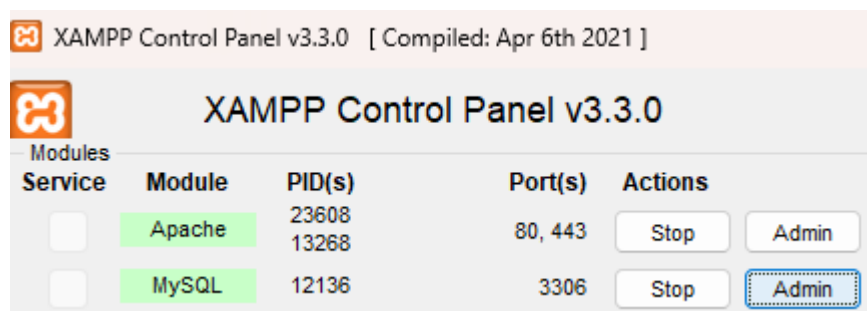
The following software must be installed on your computer for the website to function:

1. A web browser
2. MAMP or XAMPP (for a local server running MySQL and PHP)  
<https://www.apachefriends.org/> (XAMPP 8.2.12 used)
3. phpMyAdmin (which comes with MAMP and XAMPP)
4. Git (not required, but advised)
5. A text editor such as Notepad (Visual Studio Code suggested).

## 2. Set up the databases

Step 1, launch XAMPP/MAMP.

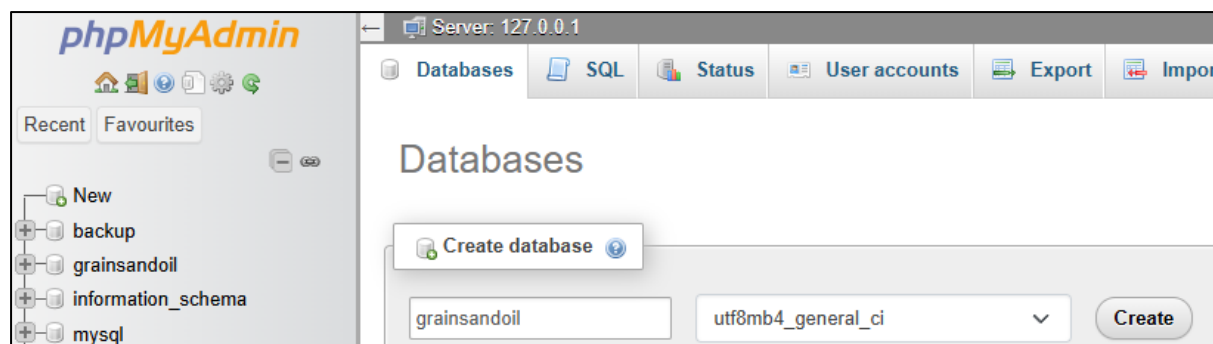
1. Launch the control panel for XAMPP/MAMP.
2. Launch the Apache service and then the MySQL service.



(XAMPP Apache and MySQL running, Admin button to access phpMyAdmin menu)

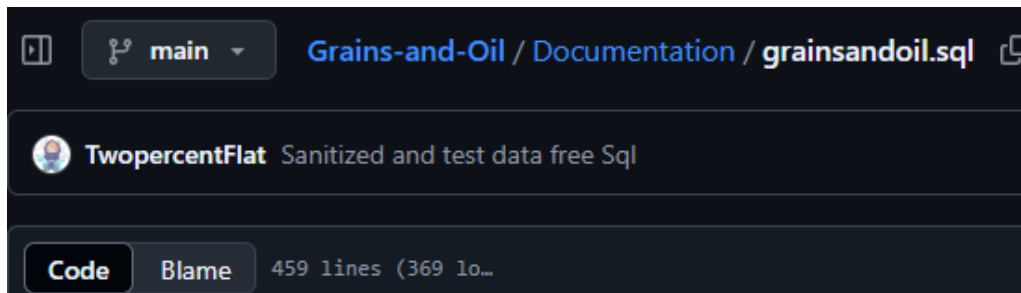
Step 2: Import the SQL Documents

Open <http://localhost/phpmyadmin> (or click the admin button next to the MySQL button) and select 'new' in the database menu, add the database 'grainsandoil'.



(New database button with 'grainsandoil' as database name)

The sql file for importing the tables can be found at <https://github.com/bakalarzb/Grains-and-Oil/blob/main/Documentation/grainsandoil.sql> or can be found inside the documentation folder of the GitHub zip file you download later.



(Github page with location of sql file)

After selecting the grains and oil database you just created, in the top-bar menu open the import tab. To import the tables and data select the .sql file you downloaded (grainsandoil.sql) and click import.



## Importing into the current server

File to import:

File may be compressed (gzip, bzip2) or uncompressed.  
A compressed file's name must end in `.[format].[compression]`. Ex

Browse your computer: (Max: 40MiB)

Choose file

grainsandoil.sql

You may also drag and drop a file on any page.

Character set of the file:

utf-8

Format-specific options:

SQL compatibility mode:

NONE

☒ Do not use AUTO\_INCREMENT f

Import

(In the import menu, add the sql file as chosen file and then hit the import button)

### 3. Creating Profiles (Admin, Vendor, User)

Your database should now have the following tables:

Table Name	What it does
customer	Contains customer data
business	Contains seller information
admin	The admin accounts
login tables	Store important login information separate from their information table
tags	Tags for products
category	Product categories
product	The products being sold
product_image	Stores the file path of products' images
product_order	Stores individual products for orders
order	History of orders
order_status	Stores options for order statuses
basket_item	Stores individual items for the basket
subscribers	Newsletter subscribers
contact_us	Stores messages received from contact us form

#### **Add Admin/Vendor Profiles:**

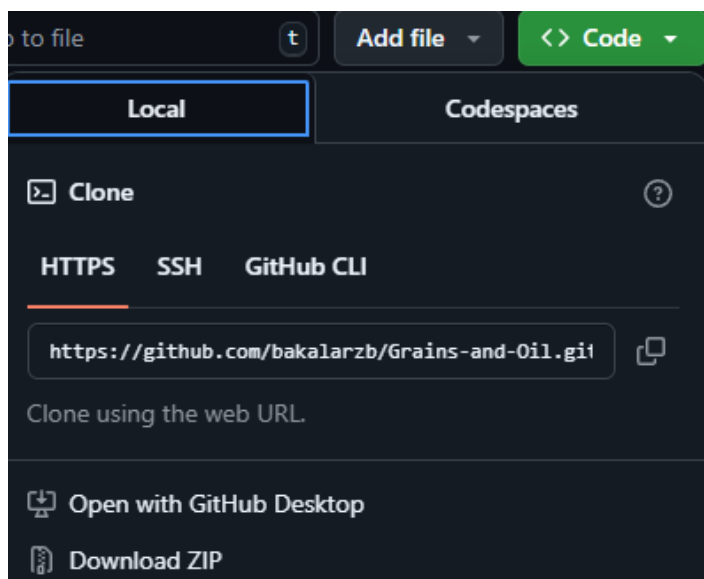
To add the profiles use phpMyAdmin and select the table required (usually admin or sellers), click "Insert", add the details and save the new entry.

## 4. Connecting PayPal

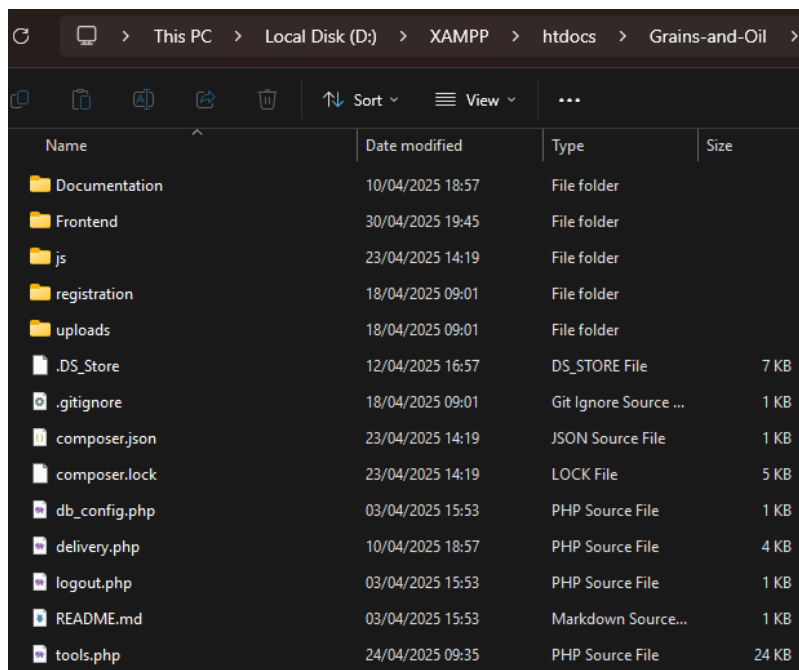
1. Go to <https://developer.paypal.com/api/rest/>
2. Create REST API credentials for a Live App, get a Client ID and Secret
3. Replace the fake credentials in the website code with your correct credentials.
4. Test with a real product purchase.

## 5. Local Deployment

Files can be found at <https://github.com/bakalarzb/Grains-and-Oil>, download them to your XAMPP htdocs folder and extract them. Rename the internal folder to 'Grains-And-Oil' and move it into the htdocs folder.



(Github menu, click download zip and install it to the XAMPP htdocs folder.)















(How your file system should look after setup)

The website will then be at the following web address (just type this into your browser):  
<http://localhost/grainsandoil/>

To access the front end of the website you can navigate to <http://localhost/Grains-and-Oil/Frontend/>

## Index of /Grains-and-Oil

<a href="#">Name</a>	<a href="#">Last modified</a>	<a href="#">Size</a>	<a href="#">Description</a>
 <a href="#">Parent Directory</a>		-	
 <a href="#">Documentation/</a>	2025-04-10 18:57	-	
 <a href="#">Frontend/</a>	2025-04-10 18:57	-	
 <a href="#">composer.json</a>	2025-04-23 14:19	70	
 <a href="#">composer.lock</a>	2025-04-23 14:19	4.1K	
 <a href="#">db_config.php</a>	2025-04-03 15:53	707	
 <a href="#">delivery.php</a>	2025-04-10 18:57	3.0K	
 <a href="#">js/</a>	2025-04-23 14:19	-	
 <a href="#">logout.php</a>	2025-04-03 15:53	113	
 <a href="#">registration/</a>	2025-04-18 09:01	-	
 <a href="#">tools.php</a>	2025-04-24 09:35	24K	
 <a href="#">uploads/</a>	2025-04-18 09:01	-	



(browser display at /grainsandoil and /grainsandoil/Frontend respectively)

## 6. Production Deployment (Optional)

If you wish to host the site online:

1. Buy a domain with web hosting with a company that provides PHP & MySQL support
2. Upload the files
3. Import the SQL databases via cPanel/phpMyAdmin
4. Update the DB credentials in config files so they match the host setup
5. Set up SSL (https) and secure PayPal API keys

D: > XAMPP > htdocs > Grains-and-Oil > db\_config.php > ...

```
1  <?php
   4 references | 0 implementations
2  class Database {
   4 references
3      private static $pdo = null;
4
   0 references | 0 overrides
5      public static function getConnection(): mixed {
6          if (self::$pdo === null) {
7              $host = 'localhost';
8              $dbname = 'grainsandoil';
9              $user = 'root'; // change this if needed
10             $pass = ''; // your DB password
11
12             try {
13                 self::$pdo = new PDO(dsn: "mysql:host=$host;dbname=$dbname;charset=utf8mb4", username: $user, password: $pass);
14                 self::$pdo->setAttribute(attribute: PDO::ATTR_ERRMODE, value: PDO::ERRMODE_EXCEPTION);
```

(config file to be updated with new DB credentials)