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Assignment: Final Project

Blooming Blossoms Website Installation Documentation

This documentation will guide you through the process of installing the Blooming Blossoms website.

# Prerequisites

Before you start, ensure the following requirements are met:

1. Web Server:  
- Apache or Nginx (preferably Apache).  
- PHP 7.4 or higher.  
2. Database:  
- MySQL 5.7 or higher.  
3. Software Requirements:  
- PHP extensions: mysqli, fileinfo, mbstring, and curl.  
4. FTP/SFTP Access:  
- Access to the server where you wish to install the site (for uploading files).

# Step-by-Step Installation Guide

## 1. Download the Project Files

Download the project files from your repository or other source. You should have the following directories and files:  
- index.php (Main homepage file)  
- shop.php (Shop page for products)  
- cart.php (Shopping cart page)  
- profile.php (User profile and theme management)  
- includes/ (Directory for PHP includes like database connections)  
- css/ (Directory for custom CSS files)  
- themes/ (Directory for theme files like default.css, dark.css, etc.)  
- images/ (Images used in the site)

## 2. Upload the Files to the Web Server

Using FTP/SFTP, upload all the files to your web server’s root directory, which is usually the public\_html or www directory.

## 3. Set Up the MySQL Database

a. Create the Database

1. Log in to your hosting control panel (e.g., cPanel).  
2. Open MySQL Databases.  
3. Create a new database (e.g., blooming\_blossoms\_db).  
4. Create a new MySQL user with the appropriate privileges (e.g., blooming\_blossoms\_user).

b. Import the Database Schema

1. Download the SQL dump file (you should already have the schema from the project files).  
2. Open phpMyAdmin or your preferred MySQL management tool.  
3. Select the newly created database.  
4. Import the .sql file to create the necessary tables (e.g., users, products, etc.).

## 4. Configure Database Connection

1. Locate the includes/db.php file.  
2. Update the database connection details in the db.php file:  
```php  
$servername = 'localhost'; // or your database server  
$username = 'blooming\_blossoms\_user'; // database username  
$password = 'your\_password'; // database password  
$dbname = 'blooming\_blossoms\_db'; // database name  
$conn = new mysqli($servername, $username, $password, $dbname);  
if ($conn->connect\_error) {  
 die('Connection failed: ' . $conn->connect\_error);  
}  
```  
Make sure the database credentials match the ones you created in the previous steps.

## 5. File Permissions

Make sure the following directories and files have the correct write permissions:  
- uploads/ (If you're allowing users to upload files or products)  
- themes/ (If you're saving theme files)

## 6. Test the Installation

Once all files have been uploaded and the database has been configured:  
1. Open your web browser and visit the domain where the website is hosted (e.g., http://yourdomain.com).  
2. You should see the Blooming Blossoms homepage.  
3. Test the following functionalities:  
- Register a new user.  
- Log in and check the profile page.  
- Add products to the cart.  
- Check if the cart page updates correctly.

## 7. Troubleshooting

- Database connection errors: Double-check your database credentials in includes/db.php.  
- Missing images or files: Ensure that all assets in the images/, css/, and themes/ folders are correctly uploaded.  
- Permissions: Check file and directory permissions if you encounter issues with writing data (e.g., for uploaded images or themes).