

Project Document: Laravel – WooCommerce Sync System

1. Overview

This system integrates a Laravel application with WooCommerce (WordPress). It allows managing products directly from Laravel without the need to log into the WordPress admin panel.

2. Why WooCommerce Sync System?

- Without sync, every time you add/update a product you need to log in to WooCommerce admin and edit manually.
- This is time-consuming and error-prone.
- For businesses with multiple sales channels, updating each system separately is inefficient.

■ With this system, Laravel becomes the centralized control panel.

3. Key Features

- Create products in Laravel → Auto-created in WooCommerce
- Update products in Laravel → Auto-updated in WooCommerce
- Product images, price, and description sync seamlessly
- Sync status (synced, updated, failed) tracked in Laravel DB
- Proper mapping between Laravel ID and WooCommerce Product ID

4. How It Works (Flow)

1. Product Create in Laravel:

- Product added in Laravel DB (id = 5).
- WooCommerce API is called via Service class.
- WooCommerce creates product (id = 70), this ID is saved as `wc_product_id` in Laravel.

2. Product Update in Laravel:

- Product edited in Laravel.
- Service calls WooCommerce API PUT request using `wc_product_id`.
- WooCommerce product is updated automatically.

5. Benefits for Client

- Time Saving – No need to log in to WP admin frequently
- Centralized Control – Manage all products from Laravel
- Inventory Sync – Avoids stock/price mismatches
- Automation Ready – Can extend to event/cron-based sync
- Scalable – Future integrations with Shopify, Amazon, Flipkart etc.

6. Future Scope

- Order Sync (WooCommerce → Laravel)
- Inventory Management (auto stock updates)
- Multi-channel integration (Amazon, Flipkart, Shopify)
- Reports & Analytics inside Laravel