Co-op Lab

Platform Capabilities Overview

Co-op Lab runs on **Laravel**, a modern, flexible web framework. New functionality is added as self-contained modules that plug into the live platform — not rebuilt from scratch. Below is what can be added in the two areas of interest: **WBV analysis & valuation** and **Market-Space**.

ALREADY BUILT — THE FOUNDATION THESE EXTEND

Member profiles & sign-up · AI-powered matching of offers & needs · sectors / guilds with member roles · communities & projects with their own admins · location & distance search · file & media attachments · payments framework

A · WBV

Analysis & Valuation

- **Structured data capture** — forms & questionnaires for the inputs a WBV needs
- **Analysis & valuation engine** — applies your rules, weightings & formulas to produce scores
- **Spreadsheet analysis** — import / export, calculate, and interpret the numbers in plain language
- **Dashboards & visual reports** — charts, ratings & comparisons, readable at a glance
- **Roll-ups & aggregation** — value a guild, a project, or a whole local Co-op Lab
- **Report generation** — shareable WBV reports on-screen or as PDF
- **History & audit trail** — dated record of inputs & results to show impact over time
- **AI assistance** — summarise inputs, spot patterns, draft interpretations

B · Market-Space

Trade, Exchange & Value

- **Online shop / catalogue** — list, browse & search goods and services
- **Cart & checkout** — a simple, standard buying flow
- **Payments** — secure card payments (framework already in place)
- **Digital wallets** — each member, guild or Co-op Lab holds a balance
- **Local / community currency** — issue & track credits, balances, transfers, ledger
- **Barter & exchange** — match & record non-cash exchanges
- **Invoicing, orders & dispatch** — transaction documents & fulfilment tracking
- **Media libraries & e-commerce integration** — host content; connect external shops
- **Secure / encrypted ledgers** — for a banking, coin & bonds layer (Life Bnk / Coin / Bonds)

HOW IT COMBINES THE TOOLSETS

Because everything lives on one Laravel platform, the two areas reinforce each other: Market-Space activity (trades, exchanges, currency flow) becomes data the WBV analysis reads, and WBV results guide what a local Co-op Lab supports. A partner's existing tools can be brought in as further modules over time — combined and augmented, not run as separate systems.

Market-Space items are standard platform capabilities. The WBV section describes the platform machinery that runs a WBV — the valuation method itself is defined by Co-op Lab's own WBV process.