

LUXORIA ROADMAP

The roadmap from the end of the BTP will be divided into three different milestones:

- [LDA] - V2.0 : <https://github.com/LuxoriaSoft/Luxoria/milestone/6>
- [LWA] - V2.0 : <https://github.com/LuxoriaSoft/Luxoria/milestone/4>
- [LXX] - V2.0 : <https://github.com/LuxoriaSoft/Luxoria/milestone/5>

Duplicate-Asset Detection AI (Level: Basic) (solo task)

Integrate an AI/model/algorithm capable of automatically identifying and flagging duplicate images. (<https://github.com/LuxoriaSoft/Luxoria/issues/319>)

Real-Time Collaboration System (Level: Advanced) (multi-person task)

Build a collaboration framework so that multiple photographers can work together—within the same collection—simultaneously and instantly.
(<https://github.com/LuxoriaSoft/Luxoria/issues/320>)

Multi-Language LuxStudio (Level: Basic)

Localize LuxStudio's interface into multiple languages (e.g. French, English, German).
(<https://github.com/LuxoriaSoft/Luxoria/issues/327>)

Responsive LuxStudio Layout (Level: Basic)

Design and implement a LuxStudio UI that adapts cleanly to smartphones and small-screen devices. (<https://github.com/LuxoriaSoft/Luxoria/issues/335>)

Dynamic “Your Own Collection” (Level: Advanced)

Enable users to organize their images into a fully customizable, online photo-book-style collection. (<https://github.com/LuxoriaSoft/Luxoria/issues/325>)

Enhanced LuxImport UI (Level: Basic)

Revamp the LuxImport interface to expose more advanced settings and import options.
(<https://github.com/LuxoriaSoft/Luxoria/issues/321>)

Enhanced LuxEditor (Level: Advanced)

Rework of the LuxEditor architecture + optimization/speed up operations
(<https://github.com/LuxoriaSoft/Luxoria/issues/322>)

Add Dependencies inside Luxoria.Modules (Level: Medium/Advanced)

Rework the Luxoria Modules part to integrate the dependencies, this will automatically link some modules together or display an error at startup if dependency(ies) is(are) not present/loaded
(<https://github.com/LuxoriaSoft/Luxoria/issues/336>)

Preset-Recommendation AI (Level: Advanced)

Develop an AI that analyzes each image and suggests the optimal editing preset to apply.
(<https://github.com/LuxoriaSoft/Luxoria/issues/323>)

Subject-Highlighting AI (Level: Advanced)

Implement an AI module that automatically detects and emphasizes primary subjects within an image. (<https://github.com/LuxoriaSoft/Luxoria/issues/324>)

Remaining challenges:

Scalability & Performance

Ensuring AI-powered features (duplicate detection, preset recommendations, subject highlighting) run accurately and responsively, even on large libraries.

Module Dependencies

Create a system to ensure that some modules should have some dependencies such as LuxStudio has the LuxExport module as dependency

Conflict Resolution & Version Control

Handling simultaneous edits in real-time collaboration: merging changes, preventing overwrite, and maintaining history.

Security & Privacy Compliance

Safeguarding user assets, encrypting data at rest/in transit, and meeting GDPR (and other regional) requirements.

Testing & QA Automation

Building comprehensive test suites—including unit, integration, and end-to-end tests—to validate both standard and AI-driven features.

Analytics & Feedback Loop

Instrumenting usage metrics for each feature