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.

**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.

**Multi-Language LuxStudio** (Level: Basic)  
 Localize LuxStudio’s interface into multiple languages (e.g. French, English, German).

**Responsive LuxStudio Layout** (Level: Basic)  
 Design and implement a LuxStudio UI that adapts cleanly to smartphones and small-screen devices.

**Dynamic “Your Own Collection”** (Level: Advanced)  
 Enable users to organize their images into a fully customizable, online photo-book–style collection.

**Enhanced LuxImport UI** (Level: Basic)  
Revamp the LuxImport interface to expose more advanced settings and import options.

**Enhanced LuxEditor** (Level: Advanced)

Rework of the LuxEditor architecture + optimization/speed up operations

**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

**Preset-Recommendation AI** (Level: Advanced)  
Develop an AI that analyzes each image and suggests the optimal editing preset to apply.

**Subject-Highlighting AI** (Level: Advanced)

Implement an AI module that automatically detects and emphasizes primary subjects within an image.

**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