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 the startup if the dependencies is 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