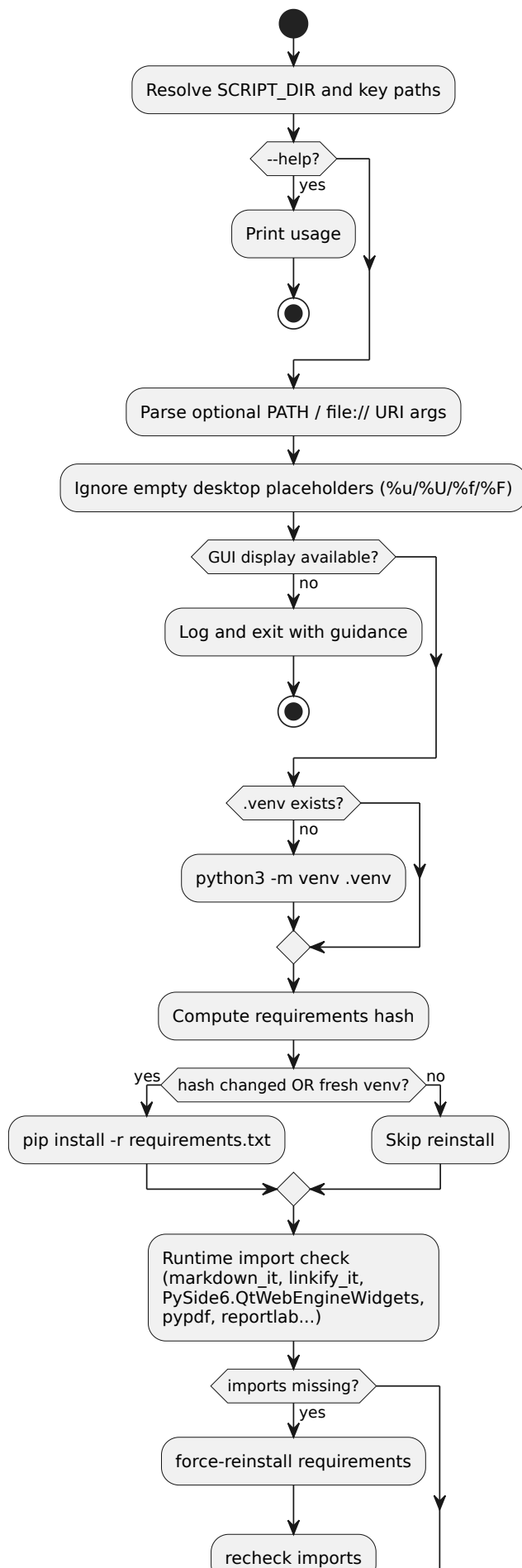
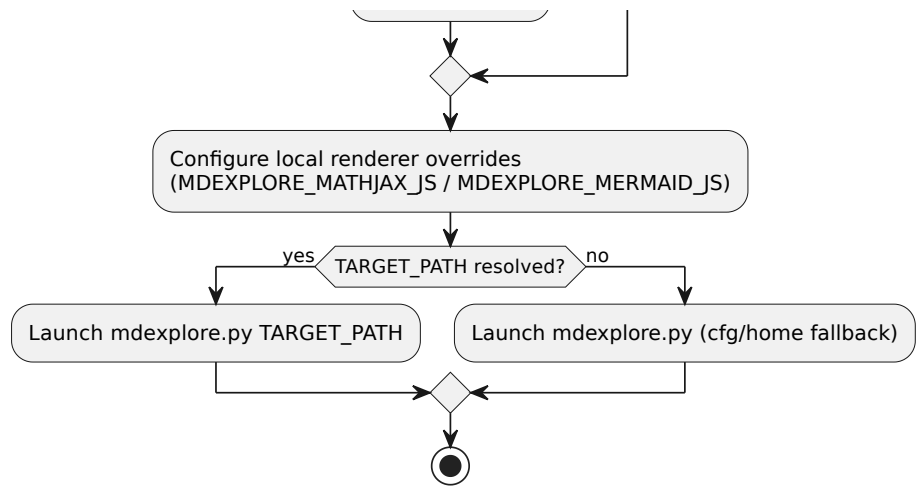


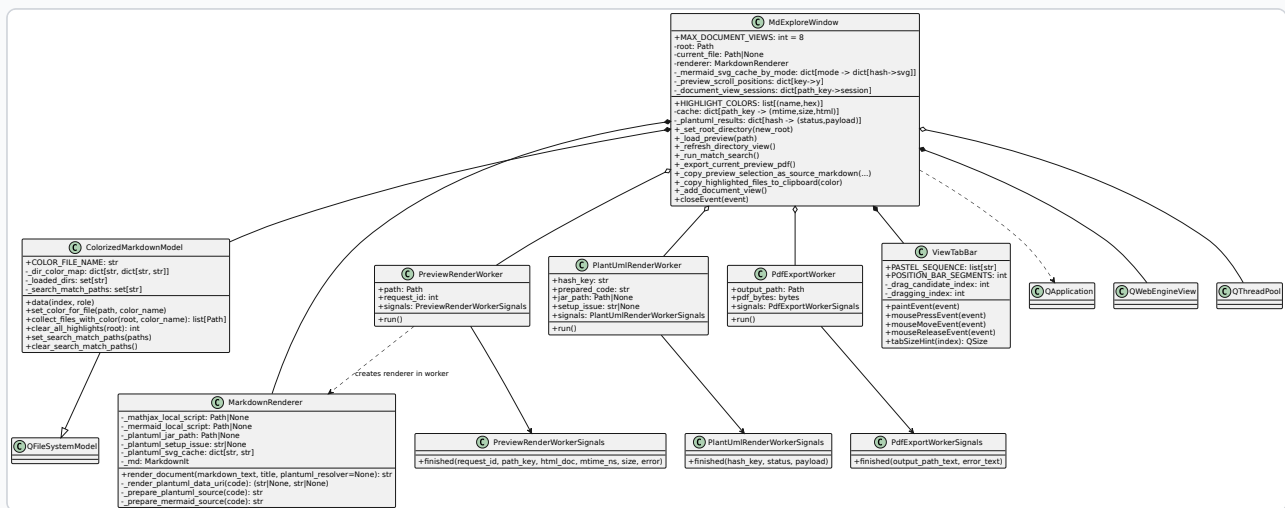
This document provides a comprehensive PlantUML view of the current `mdexplore` implementation. All diagrams are embedded so they can be rendered directly by mdexplore (or any Markdown viewer with PlantUML support).

[illegible]

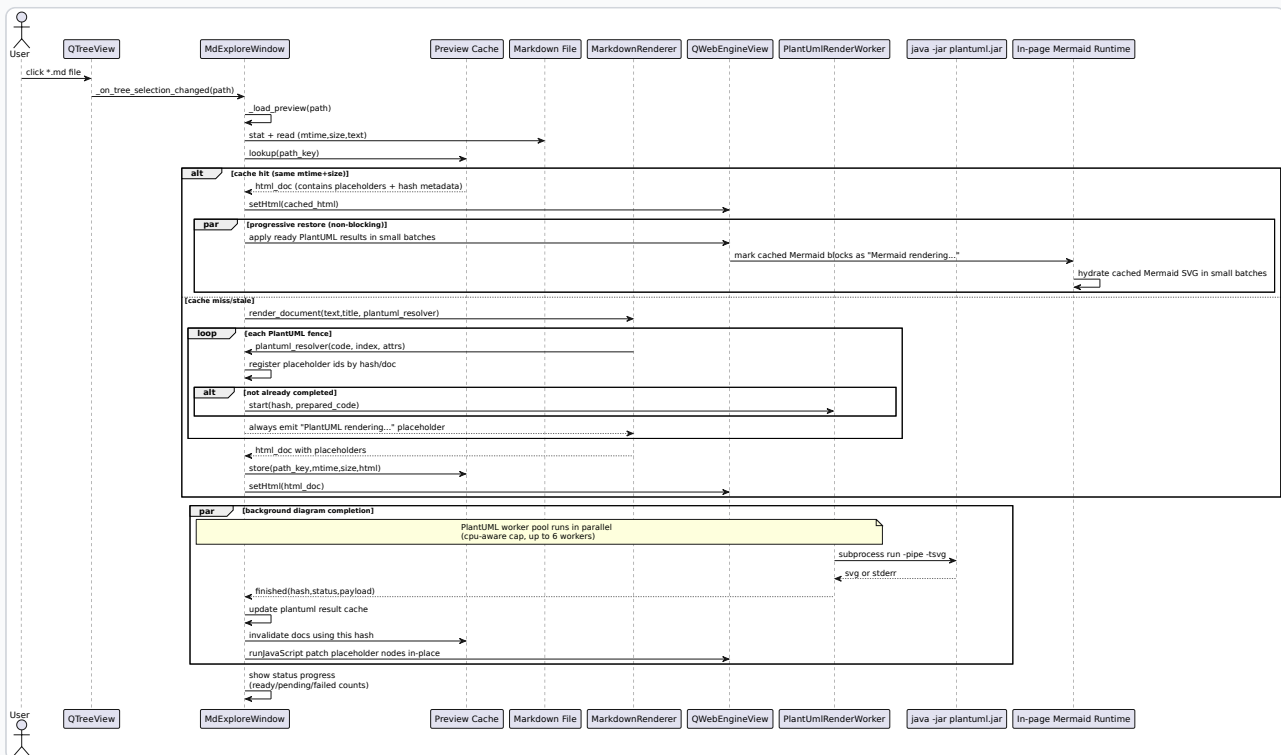




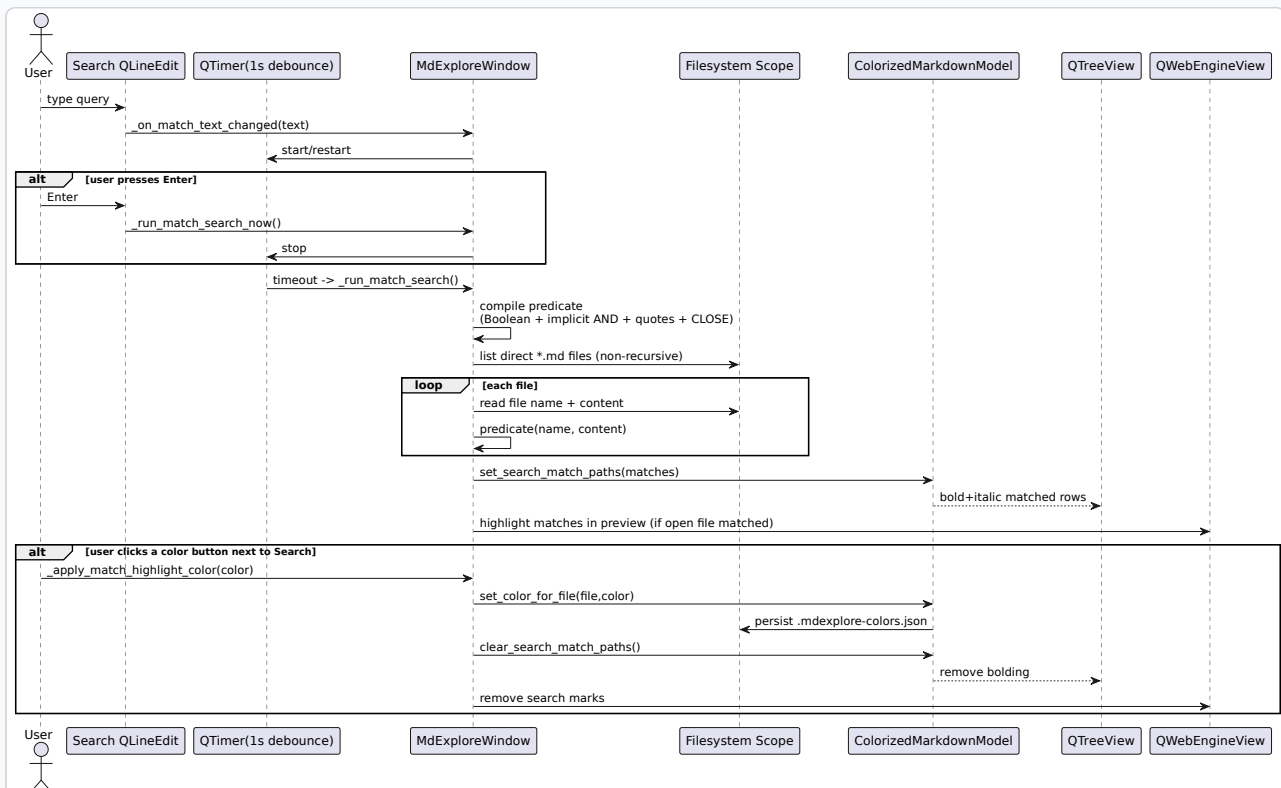
3. Core Class Diagram



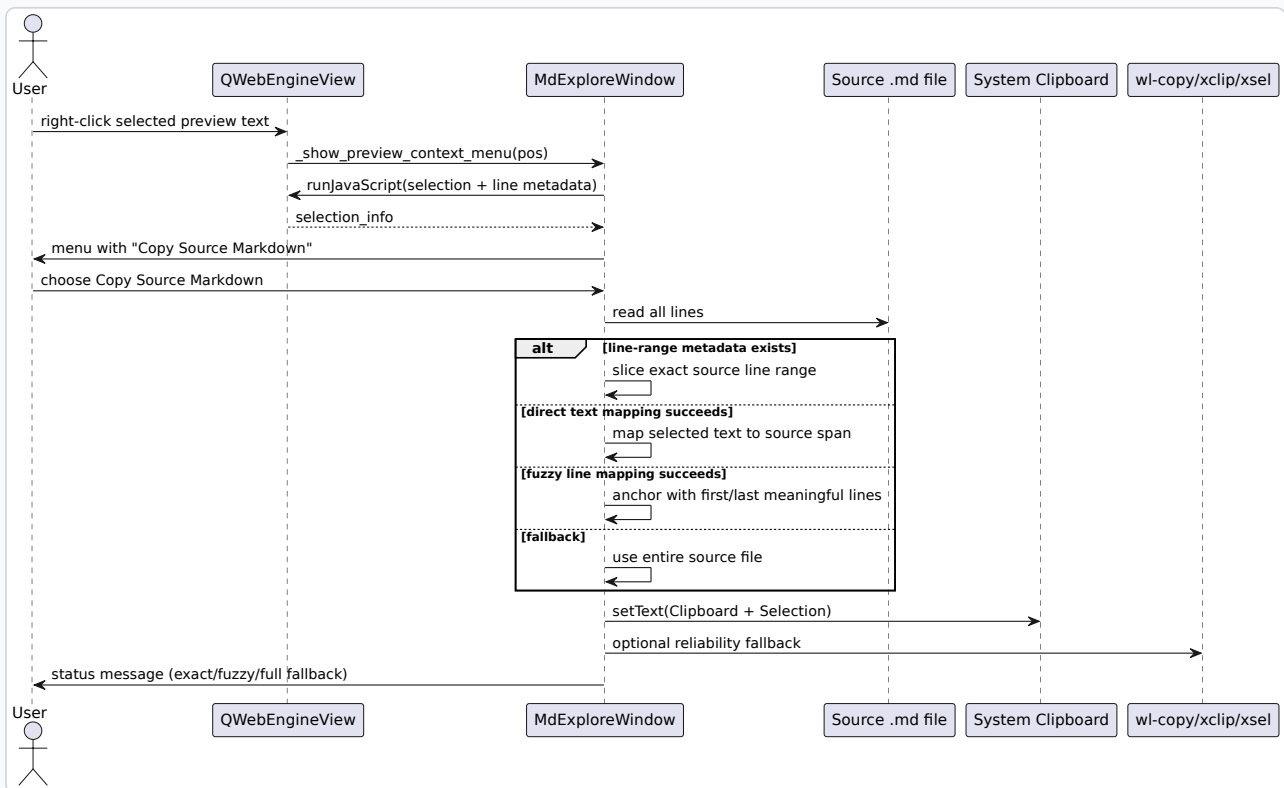
4. Preview Load + Progressive Diagram Restore



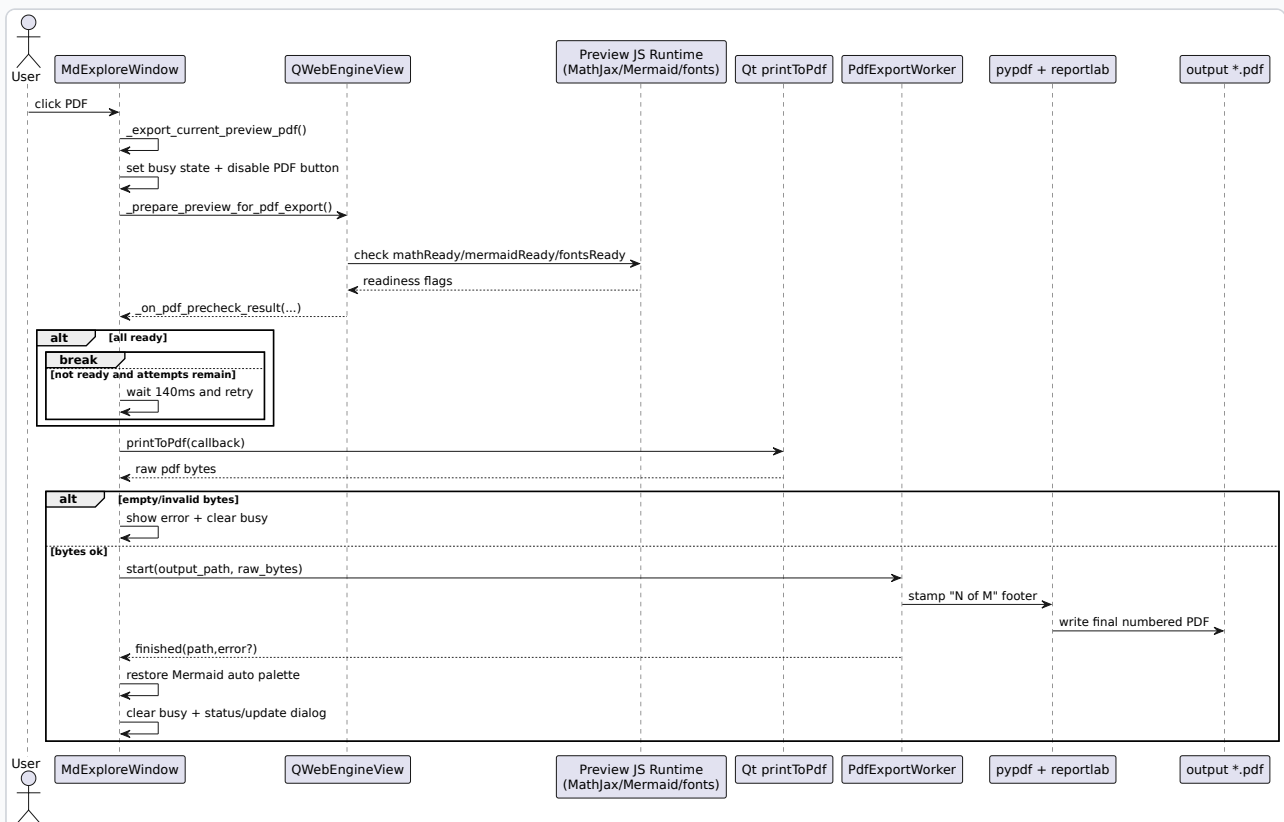
5. Search + Highlight + Apply Color Flow



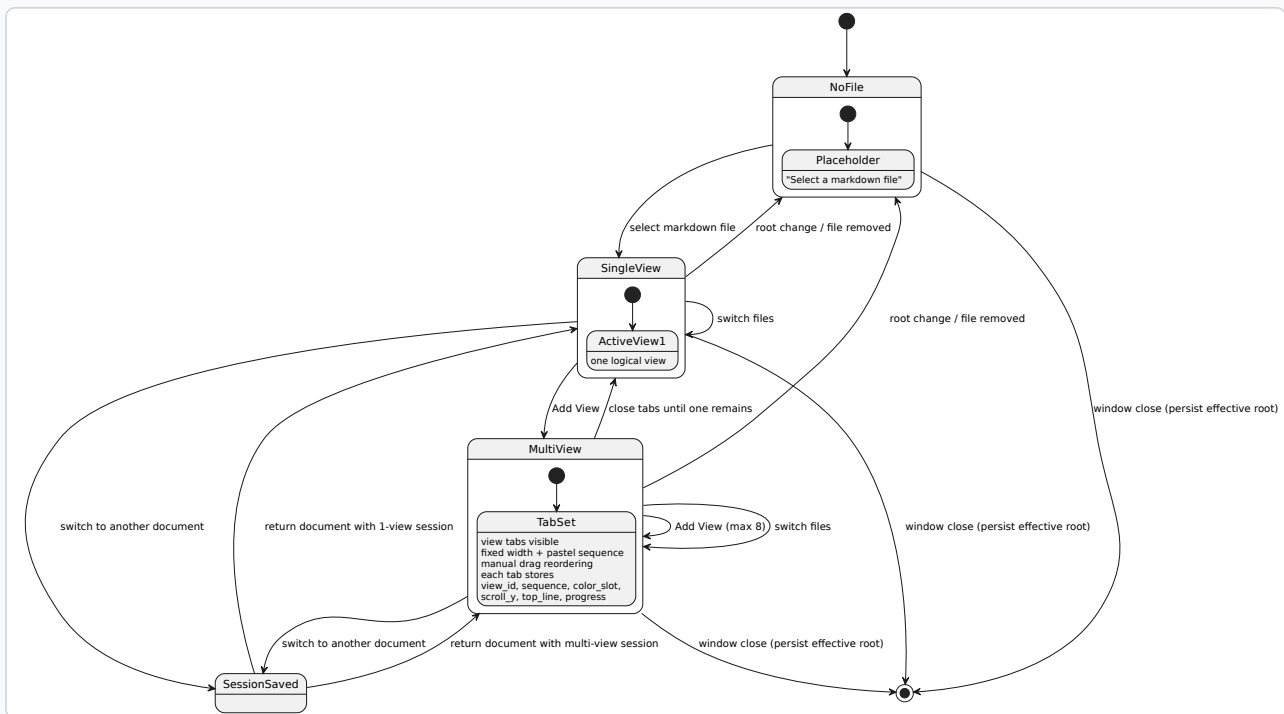
6. Preview Context Menu: Copy Source Markdown



7. PDF Export Pipeline



8. Document View/Tab Lifecycle



Notes

- Diagrams are based on current code in `mdexplore.py` and `mdexplore.sh`.
- Worker/threadpool usage is intentionally separated by concern:
 - render pool (preview HTML jobs),
 - PlantUML pool (diagram jobs),
 - PDF pool (post-processing/stamping).
- PlantUML rendering is non-blocking in UI flow: placeholders are rendered first, then patched in place as jobs finish.