

Theme01 Export Story Technical Report

Scope: JSON export validation, naming, download, and CI verification for theme01 blueprint exports.

Task Overview:

- 1) EX-VALIDATE: Added ValidationIssue collector to validators, created export validation helper, and added validation logic.
- 2) EX-Filename: Added slug normalization + filename builder and verified conventions via tests.
- 3) EX-PRETTY-PRINT & DOWNLOAD: Implemented pretty-print serialization, download helpers with progress tracking.
- 4) EX-CI: Added vitest that scans docs(exports) JSON files and enforces validateTree.

Testing:

- npm run test -- --run src/theme01/foundation/_tests_/export_validation.test.tsx
- npm run test -- --run src/theme01/foundation/_tests_/export_naming.test.tsx
- npm run test -- --run src/theme01/foundation/_tests_/export_download.test.tsx
- npm run test -- --run src/theme01/foundation/_tests_/export_ci.test.ts

Next Steps Recommendations:

- Wire export helpers into the UI flow and add real snapshots under docs(exports) for CI coverage.
- Add README instructions describing the one-click export workflow and troubleshooting tips.