

QualiJournal – Mid■Term Development Guidebook (Day Plan)

Date: 2025-10-06 (KST)

Purpose

- Check readiness against the uploaded mid■term plans and patches.
- List remaining items as actionable tasks with acceptance tests.
- Provide a one■day execution run■book to complete the mid■term scope.

Readiness Snapshot (from current code)

Item	Status
Flow endpoints (/api/flow/*)	Present
UTF■8 subprocess decoding	Present
UI fallback flag (HAS_TASKS)	Present
Dynamic community threshold	Present
Async task endpoints (/api/tasks/*)	Missing
SSE stream (/api/tasks/{job_id}/stream)	Missing
Gate API (/api/config/gate_required)	Missing
Report/Export APIs	Missing
Token auth / HTTPS / CORS	Missing

What the uploaded plans require

- Async Flow API: /api/tasks/flow/{kind} returning job_id and background execution.
- Progress & logs: /api/tasks/{job_id}, SSE stream endpoint, recent jobs list.
- Gate setting API: GET/PATCH /api/config/gate_required and UI slider binding.
- UI: progress modal, KPI auto■refresh, fallback to /api/flow/* when tasks API is absent.
- Report / Export endpoints: daily report, markdown/CSV export.
- Security hardening: token auth, HTTPS, minimal CORS.

Source refs: 1006_A ■■■ (4■week roadmap) ■filecite■turn1file0■; Mid■term Execution Plan (risks & SSE fallback) ■filecite■turn1file3■; Patch design for core files (server, index, orchestrator, engine) ■filecite■turn1file4■.

One■Day Execution Run■Book

- Implement TaskManager and /api/tasks/* in server_quali.py (in■memory first).
- Add SSE stream endpoint and switch UI to HAS_TASKS=true when detected.
- Add /api/config/gate_required (GET/PATCH) mapping to config.json.
- Add /api/report and /api/export/{md,csv} with file outputs to archive/reports/.
- Smoke■test via curl and ensure /api/status reflects QA gate (>=15 approved).

Acceptance Tests (examples)

- POST /api/tasks/flow/daily -> 202 Accepted + {"job_id":"..."}
- GET /api/tasks/{job_id} -> JSON with status in {"pending","running","done","error"}
- GET /api/tasks/{job_id}/stream -> text/event-stream until done/error
- PATCH /api/config/gate_required {"value":15} -> 200 and persisted to config.json

- GET /api/report?date=2025-10-06 -> JSON { "report_path": "archive/reports/..." }
- GET /api/export/csv -> attachment with UTF-8 BOM; openable in Excel

Risks & Controls

- Async errors: always capture exception, set state=error, close SSE (plan's risk list).
- Memory loss on restart: keep an interface to later move state to Redis/DB.
- SSE unsupported browsers: auto fallback to polling.
- Introduce token auth and HTTPS when endpoints stabilize.

Refs: Risk items and mitigations per mid-term execution plan. [filecite turn1file3](#)

References (selected)

- QualiJournal [■■■■](#) (2025-10-05) — async/UI/security roadmap. [filecite turn1file18](#)
- 1006_A [■■■■](#) — 4-week roadmap and security items. [filecite turn1file0](#)
- Mid-term execution plan — risks (SSE fallback, memory, auth). [filecite turn1file3](#)
- Core file patch guide (server/index/orchestrator/engine). [filecite turn1file4](#)