

DECISIONFLOW

As-Built Implementation & Traceability Report

Plan → prototype → MVP implementation evidence

Document code	DEV-01
Version	2.0
Status	Final Public Portfolio Edition — Implementation Baseline
Baseline date	14 July 2026
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Evidence transparency: Actual implementation evidence is separated from targets, proposed release actions, and the illustrative DEV-06 continuity bridge. Later commercial outcomes are not presented as actual results.

Document Control

Purpose	Document the Develop phase for As-Built Implementation & Traceability Report.
Primary audience	Hiring managers, product leaders, engineering stakeholders, and pilot reviewers.
Evidence classification	Verified implementation fact / implementation-derived assessment / target / proposed next action.
Source limitation	Implementation status is grounded in the authored implementation baseline and public repository references supplied for the case study.
Change control	Publication rule: retain evidence labels unless content is replaced by documented real-world observations.

Evidence Links

- [Low-Fidelity Prototype](#)
- [High-Fidelity Prototype](#)
- [MVP Frontend Repository](#)
- [MVP Backend Repository](#)

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Traceability Purpose

This report connects the Plan-phase requirements and prototype intent to the working MVP. Its purpose is not to restate the PRD. It identifies what was implemented, what changed, what remains partial, and which differences materially affect customer value or release risk.

Traceability rule — A feature is marked implemented only when the user-facing behavior and required backend persistence are connected end to end. Visible controls without behavior are classified as UI only.

Prototype Evolution

Stage	Validation purpose	Evidence	Limitation
Low-Fidelity	Flow, IA, hierarchy and screen placement.	Public clickable wireframe package.	Does not prove visual quality, backend integration or usability results.
High-Fidelity	Visual hierarchy, interaction intent and AI-first/human-control design.	Public high-fidelity prototype.	Prototype data and auth are design evidence, not production evidence.
Working MVP	Connected frontend, backend, AI and persistence.	Implementation-derived baseline and repository references.	Contains partial state, quality, security and release gaps.
Pilot-ready target	Reliable, measurable and controlled user release.	P0 backlog and release gates.	Not achieved until gates are executed.

Plan-to-Build Traceability Matrix

Capability	Plan	Prototype	MVP	Assessment	Gap / decision
Authentication	Planned	Designed	Built	Partial release readiness	JWT/local storage requires hardening.
Workspace collaboration	Planned	Designed	Not built	Deferred	Current product is single-user-per-record.
Transcript upload	Planned	Designed	TXT + paste built	Implemented with limitation	PDF/DOCX labels exceed actual support.
Decision extraction	Planned	Designed	Built	Implemented	Needs benchmark evidence and prompt versioning.
Action-item extraction	Planned	Designed	Built in extraction payload	Implemented/needs review persistence	Not all reviewed fields are durable.
Owner and due date	Planned	Designed	Extracted when available	Partial	Accuracy has not been benchmarked.
Human review	Planned	Designed	Editable UI	Partial	Edits are not fully persisted.
Criteria weighting	Planned	Designed	Local sliders	Partial	Scale and recommendation use are inconsistent.
Recommendation	Planned	Designed	Built and versioned	Implemented	Provenance and fallback visibility missing.
Option comparison	Planned	Designed	Synthetic browser scores	Needs redesign	Method is not durable or clearly sourced.

Capability	Plan	Prototype	MVP	Assessment	Gap / decision
Decision finalization	Planned	Designed	Status update	Partial	Selected option and immutable final snapshot missing.
Decision library	Planned	Designed	Built	Implemented	Resume, pagination and history need work.
Search approved knowledge	Planned	Designed	Client list search/filter	Partial scalability	Server search/pagination can wait until record volume requires it.
Action dashboard	Planned	Designed	Current product emphasizes decision comparison	Scope changed	Original meeting-action product direction evolved.
Notifications	Planned later	Visible settings	No service	UI only	Remove or label unavailable.
Multi-language UI	Future	Designed	Local dictionaries	Partial	Translation and AI-language quality need separate validation.
Enterprise administration	Future	Not core	Not built	Deferred	Correctly outside MVP.

Current Scope Baseline

Capability	Status	Current behavior	MVP requirement
Public landing page	Implemented	Explains product and routes to login/dashboard.	Add analytics and final content review.
Registration and login	Implemented	Email/password auth; bearer JWT stored in browser storage.	Harden session design and monitor failures.
Dashboard	Implemented	Live decision counts, confidence and recent records.	Add telemetry and pagination threshold.
Paste text	Implemented	Text submitted for AI extraction.	Add privacy and size guidance.
TXT upload	Implemented	UTF-8 TXT is read and processed.	Align client and backend validation.
AI extraction	Implemented	Structured JSON is validated and stored.	Add benchmark dataset and prompt versioning.
Review extracted fields	Partial	Edits exist in browser state.	Persist every reviewed field and reload by decision ID.
Criteria weighting	Partial	Sliders change local display state.	Persist weights and use them in recommendation context.
AI recommendation	Implemented	Recommendation versions are stored.	Expose provenance, alternatives and fallback status.
Option comparison	Partial	Browser-generated deterministic scores.	Use a documented scoring model and persist the snapshot.
Finalize decision	Partial	Status changes to finalized.	Store selected option, accepted version, actor and immutable snapshot.
Decision library	Implemented	Search, filter, open and archive.	Add pagination and reliable resume.
Resume in-progress decision	Not reliable	Single local browser draft is used.	Hydrate working state from server by decision ID.
PDF/DOCX input	Not implemented	UI mentions formats but rejects them.	Hide for MVP or implement secure parsing.
Notifications / privacy / AI	UI only	Controls do not affect backend behavior.	Remove or label unavailable for MVP.

Capability	Status	Current behavior	MVP requirement
preferences			
Collaboration and roles	Not implemented	Single-user ownership model.	Defer to post-MVP.

As-Built User Flow

1. Account access and protected route.
2. Dashboard and decision creation entry.
3. Paste or TXT source submission.
4. AI extraction into structured decision components.
5. Browser-based review and criteria editing.
6. Recommendation generation and regeneration.
7. Option comparison.
8. Status-based finalization.
9. Library retrieval and archive.

Critical traceability break — The workflow appears continuous in the UI, but the durable record cannot yet reconstruct every reviewed field, weight, selected recommendation and final outcome independently of browser-local state.

Frontend and Backend Boundaries

Boundary	Current owner	Assessment
Presentation and navigation	Frontend	Appropriate.
Active draft	Frontend/local storage	Too much critical state; must move to server hydration.
Identity and authorization	Backend	Authoritative, but session transport requires hardening.
Decisions and criteria	Backend	Durable, but current fields do not cover every reviewed object.
Raw transcripts and extraction	Backend	Durable original extraction; reviewed version model required.
Recommendation history	Backend	Multiple versions retained; final acceptance reference required.
Comparison scoring	Frontend	Not auditable; method and snapshot should be persisted.

API and Data Model

Area	Current contract	Required addition
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Area	Current contract	Required addition
Auth	Register, login, password change, current user.	Password recovery/session policy for external pilot.
Decisions	List, create, read, update, delete.	Server transition commands, finalization contract and pagination.
Transcripts	Paste/upload, list, retrieve extracted payload.	Reviewed extraction version endpoint.
Recommendations	Generate and list history.	Expose provenance and active/final accepted version.
Decision history	Stored internally.	Semantic events and public retrieval if auditability is required.
Decision entity	Title, description, status and timestamps.	Selected option, accepted recommendation, actor and finalized timestamp.
Criterion	Name, description and integer weight.	Unified 0-100 percentage contract totaling 100.

Scope Changes and Trade-offs

Change	Why it occurred	Portfolio interpretation
Meeting assistant → decision workflow	The built MVP focuses on structuring and evaluating a decision rather than extracting organizational decisions across meetings.	Present as an evolved hypothesis, not as the unchanged original product.
Single-user records	Reduced complexity and accelerated the first working workflow.	Valid MVP simplification; team value remains unvalidated.
Manual transcript intake	Avoided meeting-platform integrations and real-time audio complexity.	Good risk-reduction decision.
TXT/paste only	Secure parsers were not implemented.	Hide unsupported formats instead of overstating scope.
Browser comparison scoring	Enabled a visible comparison step quickly.	Must be redesigned before trust claims.

Product and Technical Debt

Debt	Type	Impact	Priority
Single local active draft	Technical/product	Cross-decision contamination and failed resume.	P0
Reviewed values not durable	Data integrity	AI recommendation may use stale/original values.	P0
Synthetic comparison	Product trust	Users may assume unsupported analytical rigor.	P0
Status-only finalization	Auditability	Cannot prove final outcome or accepted version.	P0
UI-only settings	Expectation debt	Product implies capabilities it does not have.	P0 remove/label
No frontend E2E tests	Quality	Core workflow regressions can escape.	P0

Debt	Type	Impact	Priority
No analytics	Learning	Pilot cannot measure funnel or failure stages.	P0
Local-storage JWT	Security	Higher XSS exposure for external users.	P0 decision

Accessibility and Localization

- Desktop-first scope should declare a supported minimum width.
- Core workflow must be keyboard-operable with visible focus and labeled inputs.
- Language dictionaries do not prove translation quality.
- UI language support must be separated from multilingual AI input quality.
- Only languages that pass review should be presented as supported.

Release Impact

Traceability conclusion — The implementation proves the core interaction loop, but the value record is not yet fully auditable. Release work should prioritize durable human-reviewed state and transparent final outcomes before adding new features.

Traceability Governance

- Every P0 backlog item should map to a Plan requirement, user-facing acceptance criterion, test case and release gate.
- Changes from the Plan should be logged as development decisions rather than silently rewriting history.
- Prototype evidence should remain linked but should never be used as proof of backend behavior or user validation.

Evidence and References

Source	Use in this document
Implementation-derived baseline	DECISIONFLOW_MVP_DEVELOPMENT_PHASE.md, baseline date 14 July 2026.
Low-fidelity prototype	https://minthukyawdev-droid.github.io/decision-flow/
High-fidelity prototype	https://minthukyawdev-droid.github.io/decisionflow-hifi-prototype/
Frontend repository reference	https://github.com/minthukyawdev-droid/decisionflow-webapp
Backend repository reference	https://github.com/minthukyawdev-droid/decisionflow-api
Plan-phase package	DecisionFlow Plan Phase Document Set, version 1.0.

Interpretation rule — Targets, proposed metrics, future releases, and pilot thresholds are not reported as achieved results. Actual results must be added only after executing the relevant test or study.