

FRONTIERS / REVIEW RECORD

The Democracy Alarm

Faculty-led changes, decisions and verification

Faculty recommendations take priority when learner preferences conflict. Compatible learner suggestions improve task clarity and organization while retaining demanding reading, independent causal reasoning and unfamiliar transfer. No website publication was requested or performed.

What changed

Your three operational indicators: Choose exactly three indicators for your own stated concept. Publish an observable sign, complete score categories or pass condition, dated evidence and possible errors for each. Enter the intended nonnegative weight; the next table must state how weights are normalized. The app checks recorded cells only; a person checks whether the thresholds could actually be applied.

Two rules applied to dated cases: Specify both rules before applying them. A compensatory rule lets strengths offset losses; a necessary-condition rule requires a defended prerequisite regardless of other strengths. Publish the average equation, score scale, weights and pass cutoff, and the necessary condition and its cutoff. State an unknown-indicator policy and whether old evidence may be carried forward. Apply both rules to Aster, Brin and Celyna, keeping current unknowns visible. Then demonstrate an explicit disagreement; you may use clearly stipulated fictional values when the supplied record is insufficient.

Unit, weight, time and calculation card: Complete the card for each numerical question and the new office-week display before choosing its answer. Use blank numerator/denominator lines and keep the units beside each operation. These are fictional teaching datasets. For the country exercise, the earlier and later observations are stipulated as 2020 and 2026 and population weights stay fixed at the supplied values. A national score weighted by residents remains a national-score summary, not a record of every person's rights.

Seven evidence checks include fresh representation practice. Selected checks require a submitted rationale before explanatory feedback. Original artwork, source facts, difficult readings, political alternatives and prior histories remain. Six distinct human-review criteria avoid double scoring; blank planning frames and learner-controlled note reuse support the work without filling in an answer.

Instructor controls and saved work

Code5907 and the existing advanced controls remain. Four added switches independently assign workspaces, written justifications, graph checks and note reuse. The complete set includes the updated backend, source and tests. Schema6 records retain cells, submitted rationales, copy provenance and help openings. Earlier saves are archived intact; revised work requires new submissions.

Verification and limits

The original application JavaScript was executed in a minimal event/API VM with adversarial fixtures. Static rendered markup was checked separately. The backend was tested on an isolated localhost service. These checks do not establish native-browser layout, mobile behavior, keyboard usability, live hosted deployment, classroom timing or learning gains. Writing is recorded for a person to assess; fluency and completion are not semantic mastery.

Engine test record

Method: Actual scripts in the supplied minimal event/API VM; not native-browser, accessibility, backend, semantic-mastery or learning validation.

Fixture boundary: Original S1 authored route responses plus clearly labelled mechanically valid new cells. Passing recording gates is not evidence of learning or answer quality.

Totals

Modules requested: 5

Assembled modules: 5

Tests: 283

Passed: 283

Failed: 0

Completed routes: 5

Correct option branches: 35

Wrong option branches: 105

Started at: 2026-10-13T17:40:00.742Z

Finished at: 2026-10-13T18:18:51.241Z

Tested file

Module: democracy-alarm

File: deliverables/Frontiers_The_Democracy_Alarm.html

Sha256: 20415b35b3c4d9141e460f03f49488b54db4e41f5208a7e43a45dde9e11235cb

Checks: 7

Module route

Module: democracy-alarm

Completed: Yes

Steps

Entry 1

Stage: 0

Ready: Yes

Entry 2**Stage:** 1**Ready:** Yes**Entry 3****Stage:** 2**Ready:** Yes**Entry 4****Stage:** 3**Ready:** Yes**Entry 5****Stage:** 4**Ready:** Yes**Objective count:** 7**Recording only:** Yes**Original fixture:** revision/evidence/responses/s1/democracy-alarm/response.json

Module passing tests: seven checks each expose one correct and three wrong options; choice comparison/a records correct and selected feedback; choice comparison/b records wrong and selected feedback; choice comparison/c records wrong and selected feedback; choice comparison/d records wrong and selected feedback; choice scope/a records wrong and selected feedback; choice scope/b records wrong and selected feedback; choice scope/c records correct and selected feedback; choice scope/d records wrong and selected feedback; choice transfer/a records wrong and selected feedback; choice transfer/b records wrong and selected feedback; choice transfer/c records wrong and selected feedback; choice transfer/d records correct and selected feedback; choice ruling/a records wrong and selected feedback; choice ruling/b records correct and selected feedback; choice ruling/c records wrong and selected feedback; choice ruling/d records wrong and selected feedback; choice data-read/a records wrong and selected feedback; choice data-read/b records correct and selected feedback; choice data-read/c records wrong and selected feedback; choice data-read/d records wrong and selected feedback; choice data-infer/a records wrong and selected feedback; choice data-infer/b records wrong and selected feedback; choice data-infer/c records wrong and selected feedback; choice data-infer/d records correct and selected feedback; choice data-design/a records wrong and selected feedback; choice data-design/b records wrong and selected feedback; choice data-design/c records correct and selected feedback; choice data-design/d records wrong and selected feedback; all seven correct and all twenty-one wrong branches exercised; justification gate comparison rejects empty numeric padding and repeated words before feedback; justification gate ruling rejects empty numeric padding and repeated words before feedback; justification gate data-infer rejects empty numeric padding and repeated words before feedback; justification gate data-design rejects empty numeric padding and repeated words before feedback; numeric-only final reflection and data note are not accepted as prose; workspace alarm-component-audit requires exactly declared row.fields with blank and invalid cells rejected; workspace alarm-indicator-charter requires exactly declared row.fields with blank and invalid cells rejected; workspace alarm-rule-applications requires exactly declared row.fields with blank and

invalid cells rejected; workspace alarm-unit-weight-time requires exactly declared row.fields with blank and invalid cells rejected; workspace alarm-standards-organizer requires exactly declared row.fields with blank and invalid cells rejected; workspace alarm-threshold-challenge requires exactly declared row.fields with blank and invalid cells rejected; workspace alarm-two-city-rule requires exactly declared row.fields with blank and invalid cells rejected; workspace JSON normalization trims numbers and rejects invalid number types and selection IDs; complete class route from original S1 notes plus new mechanical cells; unfilled Fun route finishes exploration without class completion and returns to missing class work; assignment flags keep workspace justification graph and data requirements separate; first-recorded wrong choice remains frozen and on-request feedback does not precede submission; own-note copies retain source snapshot provenance after source and copied field edits; text print and progress exports preserve cells rationales reflection provenance and exact representation; saved workspace exports survive earlier-task invalidation; schema6 complete roundtrip retains rationales workspaces frozen initial records and completion; schema5 migration preserves exact archived prose and submitted history without crediting v6 checks; preserved revised-run roundtrip retains prior complete schema6 history and familiar-evidence flag; save collision preserves both branches until explicit restore or keep; help and hint openings remain distinct from authored submitted histories on roundtrip; Fun to Class rationale supplement preserves selected choice original empty rationale and after-feedback provenance; valid initial workspace commitment remains sealed even during Fun revisiting; workspace planning hints honor the saved instructor switch

Module failures: None

Static rendered markup test record

Method: Original application JavaScript executed by the supplied VM. Generated DOM strings merged into the original HTML shell and parsed using lxml. Checks IDs, form names/references, image alternatives, table headers, SVG coordinate bounds and late-record reveal guards. Synthetic fixture prose exercises recording gates only; no content mastery, real learner, browser, CSS layout or assistive-technology claim.

Module count: 5

Snapshot count: 85

Issue count: 0

Runtime error count: 0

Module record

ID: democracy-alarm

File: Frontiers_The_Democracy_Alarm.html

Sha256: 20415b35b3c4d9141e460f03f49488b54db4e41f5208a7e43a45dde9e11235cb

Build version: faculty-led-revision-v6

Complete synthetic fixture accepted: Yes

Snapshot count: 17

Issue count: 0

Current full-article access check

The earlier review roles did not establish access to every full article. This later check verifies 10 of the 10 main texts. The full Science PDF supplied by the user completed the Tessler main-text check on 13 October 2026. Supplement access is recorded separately; the uploaded main article does not contain the separate Science supplement. Current access cannot retroactively establish what earlier reviewers read.

Article	Measuring Democratic Backsliding
Full main text verified	True
Version	Published online 11 January 2024; PS 57(2), 149-161.
Article	Conceptual and Measurement Issues in Assessing Democratic Backsliding
Full main text verified	True
Version	Published online 11 January 2024; PS 57(2), 162-177; V-Dem version 13.

Complete recommendation decisions

Every decision entry below records the feedback basis, implemented location or behavior, faculty-priority conflict decision and any concrete deferral. Module notes were prepared before shared integration; references to remaining root work are resolved by the verified current build above. The full metadata, original JSON ledger and raw tests are included in verification/.

Module decisions

Entry 1

ID: p1-initial-matrix

Source: p1/review.json · revision.decision.fields.choice

Recommendation: Blank three-row condition/sign/category-or-threshold/error/weight matrix and reproducible two-rule application for Aster/Brin/Celyna.

Status: implemented

Implemented at: workbenches.alarm-indicator-charter; workbenches.alarm-rule-applications; revision.decision.fields

Behavior: Exactly three blank operational rows; actual thresholds, weights, dates and errors; explicit rule definitions and applied results including a differing case.

Reason: Compatible with faculty priorities; challenging reading, own rule construction and human semantic review are retained.

Entry 2

ID: p1-initial-compatible-channels

Source: p1/review.json · transfer and NT-04

Recommendation: Unrelated worked example distinguishing compatible pressure channels by timing/matched cases, and human review of a differing link.

Status: implemented

Implemented at: coach · Can two compatible pressure channels have different predictions?; revision.transfer.initialFields.rival/prediction; reviewPrompts · Unfamiliar transfer

Behavior: Fictional supplier example distinguishes contract pressure from anticipated late fee; learners must identify the differing link or timing even if channels coexist.

Reason: Compatible with faculty priorities; challenging reading, own rule construction and human semantic review are retained.

Entry 3

ID: p1-initial-electorate

Source: p1/review.json · decision intro/MC-03

Recommendation: Define the fictional electorate; distinguish residence/citizenship scope from documented ancestry exclusion.

Status: implemented

Implemented at: revision.decision.intro[0]; teacherKey.measurementCharter.celyna;
workbenches.alarm-rule-applications

Behavior: Stipulates the all-adult-resident baseline for these teaching cases and states that citizenship/residence rules remain a contested separate dimension.

Reason: Compatible with faculty priorities; challenging reading, own rule construction and human semantic review are retained.

Entry 4

ID: p1-semantic-observed-predicted

Source: p1/semantic.json · investigation.reason

Recommendation: Retain the component ledger and observed versus predicted links.

Status: implemented

Implemented at: workbenches.alarm-component-audit; investigation.core.challenge.question;
investigation.core.revisionPrompt; reviewPrompts · Positive warranted finding

Behavior: Blank dated audit keeps authority, legal status, implementation, access and unmeasured consequences separate; retains a positive finding.

Reason: Compatible with faculty priorities; challenging reading, own rule construction and human semantic review are retained.

Entry 5

ID: p1-semantic-unknown

Source: p1/semantic.json · decision.choice

Recommendation: Mark Celyna counting unknown, publish missing-data treatment and label conditional/stipulated disagreement values.

Status: implemented

Implemented at: workbenches.alarm-indicator-charter; workbenches.alarm-rule-applications;
revision.decision.intro[3]; teacherKey.measurementCharter.ruleAlternatives/celyna

Behavior: Unknown never silently fills a pass/fail/zero value. Earlier transfer is dated evidence, and demonstration-only inputs must be explicitly fictional.

Reason: Compatible with faculty priorities; challenging reading, own rule construction and human semantic review are retained.

Entry 6

ID: p1-semantic-chronology

Source: p1/semantic.json · transfer.revision

Recommendation: Correct after-notice versus before-deadline chronology, no withholding, full issuance versus unrecovered opportunities.

Status: implemented

Implemented at: revision.transfer.lateRecord.text; revision.transfer.revisionFields.revision; teacherKey.unfamiliarTransfer.late; reviewPrompts · Unfamiliar transfer

Behavior: States Orlen notice after certification on 29 April, issuance on 2 May before 3 May deadline, no grant withheld, and three missed meetings not recovered by issuance.

Reason: Compatible with faculty priorities; challenging reading, own rule construction and human semantic review are retained.

Entry 7

ID: p2-initial-estimand

Source: p2/review.json · dataWorkshop/decision

Recommendation: Required unit/included population/outcome/weight/time/within-country card, and aggregation as a defended rule.

Status: implemented

Implemented at: workbenches.alarm-unit-weight-time; dataWorkshop.provenance/guide/reasonPrompt; revision.decision.fields.choice

Behavior: Three numerical public questions and the new display have separate blank bases, dates, operations and scope; weights do not create individual observations or conceptual validity.

Reason: Compatible with faculty priorities; challenging reading, own rule construction and human semantic review are retained.

Entry 8

ID: p2-initial-architecture

Source: p2/review.json · decision.choice/defense

Recommendation: Blank indicator and side-by-side rule worksheets, hard-case application and one integrated defense.

Status: implemented

Implemented at: workbenches.alarm-indicator-charter; workbenches.alarm-rule-applications; planningFrames[2]; revision.decision.fields

Behavior: Moves inspectable operational work into coherent products and reserves the existing fields for public/resource choice and integrated source/test defense.

Reason: Compatible with faculty priorities; challenging reading, own rule construction and human semantic review are retained.

Entry 9

ID: p2-initial-codesign

Source: p2/review.json · comparison/ruling

Recommendation: Matched comparison where restriction and organizing strategy change together; discriminate credible accounts.

Status: implemented

Implemented at: checks.comparison.evidence/options/justificationPrompt; checks.ruling.options/justificationPrompt; revision.transfer.revisionFields.test

Behavior: Rebuilds comparison around volunteer outreach versus simultaneous online events for the same stable electoral outcome; plausible wrong choices miss a specific intermediate link.

Reason: Compatible with faculty priorities; challenging reading, own rule construction and human semantic review are retained.

Entry 10

ID: p2-semantic-thresholds

Source: p2/semantic.json · decision.choice

Recommendation: Actual indicator pass thresholds, ambiguous case and possible coding error.

Status: implemented

Implemented at: workbenches.alarm-indicator-charter; workbenches.alarm-rule-applications; reviewPrompts · Numerical interpretation

Behavior: Requires complete score/pass categories and both false-positive/false-negative examples; a phrase such as 'published threshold' alone is inadequate.

Reason: Compatible with faculty priorities; challenging reading, own rule construction and human semantic review are retained.

Entry 11

ID: p2-semantic-selection

Source: p2/semantic.json · transfer.test

Recommendation: Pre-decision timing, matched-office rationale, confounder tied to pressure and compliance; permit process tracing without withholding rights.

Status: implemented

Implemented at: revision.transfer.initialFields.prediction; revision.transfer.revisionFields.test; teacherKey.unfamiliarTransfer.tests

Behavior: Requires pre-action records and a selection account; accepts feasible record-based process tracing and disallows deliberately delayed lawful access.

Reason: Compatible with faculty priorities; challenging reading, own rule construction and human semantic review are retained.

Entry 12

ID: p2-semantic-two-city

Source: p2/semantic.json · transfer.mechanism

Recommendation: Empty two-city rule-application lines with period, condition, warning and unknown.

Status: implemented

Implemented at: revision.transfer.initialFields.mechanism; workbenches.alarm-two-city-rule

Behavior: Mandatory existing mechanism note explicitly applies the learner's rule to both cities; optional initial card organizes that same response.

Reason: Compatible with faculty priorities; challenging reading, own rule construction and human semantic review are retained.

Entry 13

ID: p3-initial-rule-table

Source: p3/review.json · decision.choice

Recommendation: Charter table with concept, three scales/thresholds, weights, prerequisite and calculated/classified difficult case.

Status: implemented

Implemented at: workbenches.alarm-indicator-charter; workbenches.alarm-rule-applications; planningFrames[2]

Behavior: Retains all operations and does not supply a preferred concept, indicator, cutoff or conclusion.

Reason: Compatible with faculty priorities; challenging reading, own rule construction and human semantic review are retained.

Entry 14

ID: p3-initial-standards

Source: p3/review.json · DA-R1/MC-04

Recommendation: Neutral three-row organizer: written question, source bundle or interpretation, with evidence; no supplied dossier classification.

Status: implemented

Implemented at: workbenches.alarm-standards-organizer; revision.decision.fields.defense; planningFrames[2]

Behavior: Blank rows distinguish guide changes, new information and possible common interpretation shifts; learners classify records and propose a discriminating test.

Reason: Compatible with faculty priorities; challenging reading, own rule construction and human semantic review are retained.

Entry 15

ID: p3-initial-cardinality

Source: p3/review.json · dataWorkshop

Recommendation: Comparability assumption beside formulas; counterfactual five-point differences measuring different protections.

Status: implemented

Implemented at: dataWorkshop.guide/reasonPrompt; workbenches.alarm-unit-weight-time; reviewPrompts · Numerical interpretation

Behavior: Asks what the national mean means if identical numeric differences represent different protections; retains taught arithmetic.

Reason: Compatible with faculty priorities; challenging reading, own rule construction and human semantic review are retained.

Entry 16

ID: p3-semantic-periods

Source: p3/semantic.json · decision.choice

Recommendation: Date component evidence, mark not-yet-observed components and defend any carry-forward policy.

Status: implemented

Implemented at: workbenches.alarm-indicator-charter; workbenches.alarm-rule-applications; revision.decision.intro[3]; coach · event date/observation year

Behavior: Rule applications explicitly distinguish old event dates from current observation windows and do not mix periods without a declared assumption.

Reason: Compatible with faculty priorities; challenging reading, own rule construction and human semantic review are retained.

Entry 17

ID: p3-semantic-anticipation

Source: p3/semantic.json · transfer.prediction/revision

Recommendation: Prior expectations or communication can support anticipated enforcement before actual notice/certification.

Status: implemented

Implemented at: revision.transfer.initialFields.prediction; revision.transfer.revisionFields.revision/test; revision.transfer.lateRecord.text; teacherKey.unfamiliarTransfer.late

Behavior: Learners must seek pre-compliance expectation evidence. Later certification does not rule out anticipated costs.

Reason: Compatible with faculty priorities; challenging reading, own rule construction and human semantic review are retained.

Entry 18

ID: p4-initial-dated-audit

Source: p4/review.json · DA-F2

Recommendation: Optional blank component-by-date audit for observed action, legal status, implementation/access and unobserved consequence.

Status: implemented

Implemented at: workbenches.alarm-component-audit; investigation.core.challenge.question; planningFrames[1]

Behavior: No redundant required stage-2 workspace; blank cells can hold only already-opened or received records, then be reused.

Reason: Compatible with faculty priorities; challenging reading, own rule construction and human semantic review are retained.

Entry 19

ID: p4-initial-deliverables

Source: p4/review.json · charter

Recommendation: Numbered deliverables, three indicator ledger, adversarial application, criterion-level review without word-count grading.

Status: implemented

Implemented at: planningFrames[2]; workbenches.alarm-indicator-charter; workbenches.alarm-rule-applications; reviewPrompts; teaching.rubric

Behavior: The full charter is visible as inspectable tasks, preserving demand and separating recording floors from semantic quality.

Reason: Compatible with faculty priorities; challenging reading, own rule construction and human semantic review are retained.

Entry 20

ID: p4-initial-threshold-challenge

Source: p4/review.json · conceptual measurement

Recommendation: Optional unscored disputed/missing near-cutoff indicator challenge, public wording and remaining rights claim.

Status: implemented

Implemented at: workbenches.alarm-threshold-challenge

Behavior: Uses learner-selected hypothetical values around the learner's own cutoff, with one changed input and no preferred rule.

Reason: Compatible with faculty priorities; challenging reading, own rule construction and human semantic review are retained.

Entry 21

ID: p4-semantic-unknown

Source: p4/semantic.json · decision.choice

Recommendation: Do not invent Celyna independent-information status; label hypothetical values and unknown handling.

Status: implemented

Implemented at: revision.decision.intro[3]; workbenches.alarm-rule-applications; revision.glossary · Unknown indicator; teacherKey.measurementCharter.celyna

Behavior: Current independent information, counting and accepted-defeat status remain unestablished; aggregate suspension can coexist with authenticated ancestry exclusion.

Reason: Compatible with faculty priorities; challenging reading, own rule construction and human semantic review are retained.

Entry 22

ID: p4-semantic-identification

Source: p4/semantic.json · transfer.test/brief.nextStudy

Recommendation: Three pre-action variables, negative/control observation and selection process undermining comparison.

Status: implemented

Implemented at: revision.transfer.revisionFields.test; briefFields.nextStudy.help; teacherKey.unfamiliarTransfer.tests; reviewPrompts · Unfamiliar transfer

Behavior: Makes comparison selection inspectable without inventing assigned treatment or forcing an unethical intervention.

Reason: Compatible with faculty priorities; challenging reading, own rule construction and human semantic review are retained.

Entry 23

ID: p4-semantic-election-risk

Source: p4/semantic.json · decision.defense

Recommendation: No invented irreversible exclusion or election date; request timetable or qualify future-contest risk.

Status: implemented

Implemented at: revision.decision.fields.defense; teacherKey.measurementCharter.celyna

Behavior: The rationale can be a risk of continued exclusion, not an established next-election timetable or legal irreversibility.

Reason: Compatible with faculty priorities; challenging reading, own rule construction and human semantic review are retained.

Entry 24

ID: p5-initial-charter

Source: p5/review.json · decision.choice/defense

Recommendation: Editable concept, indicator/error, two rules, hard case, authorized project/deferral and source/test defense.

Status: implemented

Implemented at: planningFrames[2]; workbenches.alarm-indicator-charter; workbenches.alarm-rule-applications; revision.decision.fields

Behavior: Coherent blank tables hold the operational charter; retained choice/defense fields synthesize measurement, reporting authority and opportunity cost.

Reason: Compatible with faculty priorities; challenging reading, own rule construction and human semantic review are retained.

Entry 25

ID: p5-initial-unseen-display

Source: p5/review.json · graph/table

Recommendation: Fresh changed-base display requiring independent unit/calculation/explanation before options appear, with arithmetic and political inference inspected separately.

Status: implemented

Implemented at: graphPractice; checks.data-design; workbenches.alarm-unit-weight-time · office-display; reviewPrompts · Numerical interpretation; graphPractice.workspaceBeforeCheck

Behavior: Adds fictional request rates with changing denominators. graphPractice.workspaceBeforeCheck names the required unit/weight/time card so the root renderer can withhold options/submission until the assigned card is mechanically recorded; the fresh chart and exact accessible table remain available. When Data/workspaces are unassigned, exploration remains optional.

Reason: Preserves faculty demand for an independent representation record before option exposure. The new metadata is explicitly requested by the shared renderer owner; mechanical completion is not a semantic or independent-mastery grade.

Entry 26

ID: p5-initial-scoring-map

Source: p5/review.json · rubrics

Recommendation: Outcome-to-evidence map, explicit weights, no duplicate scoring and two unrelated anonymous calibration examples retaining positive findings.

Status: implemented

Implemented at: reviewPrompts; teaching.rubric; teacherKey.rubric/reviewPrinciple

Behavior: Six distinct equally weighted 0-3 criteria total 18. Positive-finding/process and audit revision share one scoring home; operational charter thresholds/rules and unit/base/calculation work share Numerical interpretation, retaining all substantive subparts. Source contribution, core same-outcome rivals, lawful decision and unfamiliar transfer each have one home. Invented anonymous library snippets calibrate positive bounded findings without posing as real student examples.

Reason: Faculty priority is retained: every operational threshold, date/unknown policy, calculation, political inference, source contribution and revision prompt remains reviewable. Common-engine consolidation removes duplicate points, not demanding reasoning or evidence products.

Entry 27

ID: p5-semantic-expectations

Source: p5/semantic.json · transfer.revision/test

Recommendation: What officials knew/expected before compliance; pre-certification action cannot eliminate anticipated sanctions.

Status: implemented

Implemented at: revision.transfer.initialFields.prediction; revision.transfer.revisionFields.revision/test; coach · compatible pressure channels; teacherKey.unfamiliarTransfer.late

Behavior: A dated prior-expectation record is required; no local-pressure or enforcement motive is keyed.

Reason: Compatible with faculty priorities; challenging reading, own rule construction and human semantic review are retained.

Entry 28

ID: p5-semantic-operational-errors

Source: p5/semantic.json · decision.choice

Recommendation: Operational pass conditions and false-positive/false-negative cases, retaining own rule and author choice.

Status: implemented

Implemented at: workbenches.alarm-indicator-charter; reviewPrompts · Numerical interpretation

Behavior: Requires actual categories/cutoffs and ambiguous/error cases for all three indicators; any justified rule and paper inference can receive credit.

Reason: Compatible with faculty priorities; challenging reading, own rule construction and human semantic review are retained.

Entry 29

ID: learners-organization

Source: s1-s5/review.json · charter burden

Recommendation: Segment the charter into visible subparts while retaining every demanded operation.

Status: implemented

Implemented at: planningFrames[2]; workbenches.alarm-indicator-charter; workbenches.alarm-rule-applications; revision.decision.fields

Behavior: Replaces a memory/counting problem with named blank products and integrated notes; no reading, rival, rule or unfamiliar-transfer requirement is removed.

Reason: Compatible with faculty priorities; challenging reading, own rule construction and human semantic review are retained.

Entry 30

ID: learners-audit-parts

Source: s1/s2/s3/s4/s5 reviews · DA-F2 and timelines

Recommendation: Separate media audit and judicial compliance; keep a dated actor-power/implementation ledger available.

Status: implemented

Implemented at: investigation.core.challenge.question; planningFrames[1]; workbenches.alarm-component-audit; coach · event date/observation year

Behavior: Two visibly labeled parts preserve the complete follow-up and the need for two processes, rather than compressing away a component.

Reason: Compatible with faculty priorities; challenging reading, own rule construction and human semantic review are retained.

Entry 31

ID: learners-vocabulary

Source: s1/s2/s4/s5 reviews · terms

Recommendation: Plain-language compensatory/prerequisite/reproducibility glosses at use; retain technical language.

Status: implemented

Implemented at: workbenches.alarm-rule-applications.intro; revision.glossary; coach · average/prerequisite

Behavior: Defines strengths offsetting losses and must-pass prerequisites; observer-invariant is explicitly reproducibility, not truth.

Reason: Compatible with faculty priorities; challenging reading, own rule construction and human semantic review are retained.

Entry 32

ID: learners-uncertainty-example

Source: s2/s3/s5 reviews · discernible change

Recommendation: Keep the interval definition at first use and add unrelated uncertainty illustration.

Status: implemented

Implemented at: papers[1].finding[0] (retained); revision.glossary · Discernible change; coach · no discernible change

Behavior: Fictional temperature intervals illustrate estimate versus unresolved change without changing the article's finding or implying safety.

Reason: Compatible with faculty priorities; challenging reading, own rule construction and human semantic review are retained.

Entry 33

ID: learners-action-chain

Source: s2/s3/s4 reviews · entrenchment/country-year

Recommendation: Blank actor-action-contest-outcome chain, staying in power versus blocking rivals and event/observation date reminder.

Status: implemented

Implemented at: planningFrames[0]; revision.sourceTasks (retained); coach · event date/observation year

Behavior: Keeps real source reconstruction and scope; unrelated club-election/time illustration does not classify Bellara.

Reason: Compatible with faculty priorities; challenging reading, own rule construction and human semantic review are retained.

Entry 34

ID: learners-scratch-calculations

Source: s1/s3 reviews · weighted means

Recommendation: Blank change/weight/product/numerator/denominator calculation aid.

Status: implemented

Implemented at: workbenches.alarm-unit-weight-time; dataWorkshop.reasonPrompt

Behavior: Own calculations remain required; supplied given text names operations without filling requested cells or political results.

Reason: Compatible with faculty priorities; challenging reading, own rule construction and human semantic review are retained.

Entry 35

ID: learners-source-scope

Source: s2/s3/s4/s5 reviews · dense source/scope switches

Recommendation: Visible source-core question and persistent global/local/predicted scope prompts.

Status: implemented

Implemented at: planningFrames[0]; stageIntros[1]; workbenches.alarm-unit-weight-time; briefFields

Behavior: Maintains demanding connected paper prose and genuine inferential disagreement while labeling scopes and the learner's reconstruction chain.

Reason: Compatible with faculty priorities; challenging reading, own rule construction and human semantic review are retained.

Entry 36

ID: learners-reuse-and-revise

Source: s1-s5 reviews · repeated final brief

Recommendation: Deliberately reuse learner-authored notes and require revised inference/new uncertainty rather than repeated recap.

Status: implemented

Implemented at: briefRevisionPrompt; briefFields; finalGoal; teaching.coreSteps[6]

Behavior: Root carry-forward controls may copy learner notes; final reflection still needs an actual reasoned synthesis or new link-specific uncertainty.

Reason: Compatible with faculty priorities; challenging reading, own rule construction and human semantic review are retained.

Entry 37

ID: learners-plausible-checks

Source: s1-s5 cross-module notes · cautious-option pattern

Recommendation: More plausible bounded distractors and document/calculation rationale before explanatory feedback.

Status: implemented

Implemented at: checks.comparison/scope/transfer/ruling; checks.data-infer/data-design; four justification metadata sets

Behavior: Keeps original six IDs and correct option IDs, audits every selected error explanation, and adds one representation check without claiming MC completion is mastery.

Reason: Compatible with faculty priorities; challenging reading, own rule construction and human semantic review are retained.

Entry 38

ID: learners-discussion-and-stakes

Source: s2/s3/s4/s5 reviews · discussion/human story

Recommendation: Optional classroom comparison of defensible choices and clearer public stake.

Status: implemented

Implemented at: opening; facilitatorPrompt

Behavior: Residents need accurate public wording; voluntary discussion compares two legitimate charters/projects after commitment without supplying a hidden political answer.

Reason: Compatible with faculty priorities; challenging reading, own rule construction and human semantic review are retained.

Entry 39**ID:** learners-art-evidence**Source:** s1-s5 reviews; p2/p3/p4/p5 initial reviews · alarm imagery**Recommendation:** Treat ominous visual rhetoric as a question, not documentary proof; optional interpretation prompt.**Status:** implemented**Implemented at:** design.artCaption; teaching.reverseHearing**Behavior:** Retains all original artwork/branding and adds an explicit visual-versus-dossier evidence distinction.**Reason:** Compatible with faculty priorities; challenging reading, own rule construction and human semantic review are retained.**Entry 40****ID:** faculty-over-simplification**Source:** p1-p5 initial/semantic and s1-s5 burden comments**Recommendation:** Resolve pressure for lighter/shorter instructions against faculty preservation of political and measurement difficulty.**Status:** conflict-resolved**Implemented at:** papers (unchanged); investigation records (preserved); revision.transfer committed sequence; all structured products**Behavior:** Reduced avoidable task bookkeeping, while preserving the two papers, full records, own thresholds/unknown policy, causal rivals, late revision and independent transfer.**Reason:** Faculty priority requires demanding reading and operational political reasoning. Learner comments mostly request organization; no source dispute or hard case is shortened to a consensus slogan.**Entry 41****ID:** deadline-source-authority**Source:** p1 semantic precision versus after-deadline wording in p2/p3/p4/p5 semantic summaries and baseline teacher key**Recommendation:** Resolve inconsistent descriptions of Orlen's chronology using the authenticated fictional NT-04 record.**Status:** conflict-resolved**Implemented at:** revision.transfer.lateRecord.text; teacherKey.unfamiliarTransfer.late**Behavior:** Preserves underlying dates and repairs wording to after notice/before deadline; actual withholding never occurred.**Reason:** The raw dossier says 2 May issuance and 3 May deadline. A review's shorthand 'after deadline' conflicts with its evidence and is not copied as a new fact.

Entry 42**ID:** observed-versus-demonstration**Source:** p1/p3/p4 semantic gaps and initial charter disagreement recommendations**Recommendation:** A required differing-case calculation cannot silently create missing actual components.**Status:** conflict-resolved**Implemented at:** workbenches.alarm-rule-applications · disagreement; revision.decision.intro[3]**Behavior:** Learners may produce a labeled fictional conditional variant or use fully recorded values. Actual cases remain unknown where the record is incomplete.**Reason:** Reproducible comparison and unknown-data accuracy are both retained; an instructional hypothetical is not published as a country diagnosis.**Entry 43****ID:** human-pilot**Source:** p1-p5 cross-module notes; s1-s5 timing/pacing comments**Recommendation:** Real classroom timing, device/accessibility, enjoyment and learning-gain pilot.**Status:** deferred**Implemented at:** teaching.timingNote (retained); teacherKey.status/reviewPrinciple (retained)**Behavior:** No new human test, completion-time or learning-gain claim is made.**Reason:** Not part of authorized local revision; requires actual participants and observed use. Existing schedules remain 'Human pilot sets timing'.**Entry 44****ID:** delayed-unfamiliar-validation**Source:** p5 cross-module notes · generalization**Recommendation:** Delayed, less-cued unfamiliar dossier before claiming autonomous generalization.**Status:** deferred**Implemented at:** graphPractice; teaching.sourceBoundary**Behavior:** A fresh less-cued representation task extends the present product; no delayed human transfer or autonomous-generalization result is claimed.**Reason:** A genuine delayed assessment needs a separate occasion and independently observed responses. The compulsory staged municipal transfer remains intact, but is not relabeled proof of far transfer.**Entry 45****ID:** future-art-variation**Source:** s3/s5 cross-module notes · recurring Western monumental imagery**Recommendation:** Broader future artwork/setting variety.

Status: deferred

Implemented at: design (original artwork retained)

Behavior: Visual-rhetoric discussion is implemented; art replacement is not.

Reason: User scope requires retaining unique existing artwork. A new motif system would alter an explicitly protected asset rather than improve the case's measurement work.

Entry 46

ID: common-six-criterion-consolidation

Source: p5/review.json · nonduplicated criterion map; root common-engine integration request

Recommendation: Align module scoring to six distinct common criteria while retaining all substantive faculty review prompts.

Status: implemented

Implemented at: reviewPrompts; teaching.rubric; teacherKey.rubric/reviewPrinciple; facilitatorPrompt

Behavior: The six names exactly match the shared controls' common criteria. All eight earlier prompt topics remain within six homes: condition/process plus audit revision become Positive warranted finding, and measurement construction plus unit/weight/time/calculation become Numerical interpretation. No blank product, threshold, uncertainty policy, source argument, hard case or transfer test is removed.

Reason: Faculty demands concern the depth and inspectability of reasoning, not adding separate points for overlapping evidence. Six equal-weight 0-3 criteria total 18, with each product scored once and substantive subparts explicitly checked.

Shared controls and backend decisions

Shared implementation decisions

Entry 1

ID: SHARED-SETTINGS-COMPATIBILITY

Sources: User preservation requirement; revision/REVISION_CONTRACT.md · required-work and representation switches

Recommendation: Add the new requirements while preserving every advanced5907 control and backward compatibility.

Status: implemented

Locations: advanced-controls.js · defaults/normalizeSettings/renderInstructor; server.js · settingDefaults/validateSettings/publicClass/config and course retrieval

Behavior: Four true defaults under the existing settings schema1; only new omissions default. Instructor exports/imports, local collision guards and server assignment revisions include the new switches. Strict old-key validation remains.

Entry 2

ID: SHARED-F-P1-JUSTIFICATION

Sources: p1/review.json · civic-machine problems[1]; p2/review.json · balanced distractors plus document/calculation justifications; p5/review.json · graph unit/base justification

Recommendation: Record a short case-specific rationale before explanatory feedback rather than treating keyed recognition as sufficient evidence.

Status: implemented-controls-and-review

Locations: advanced-controls.js · requireJustifications control/checkReviewHTML; hosted-client.js · snapshotHTML; server.js · statePayload

Behavior: Current rationale drafts and every submitted rationale are distinguished in teacher review. The connector and backend retain the original attempt histories intact. Root implements the pre-feedback rationale gates; module metadata supplies the demanding prompts.

Entry 3

ID: SHARED-F-P2-GRAPH-REPRESENTATION

Sources: p2/review.json · crossModuleNotes chart-representation critique; p5/review.json · unfamiliar graph encodings; revision/REVISION_CONTRACT.md · graphPractice/data-design

Recommendation: Include an unfamiliar representation task with an exact accessible equivalent and human inspection of axis, base, unit and inference.

Status: implemented-controls-and-key

Locations: advanced-controls.js · graphKeyHTML/checkKeyHTML/teacherKeyHTML; advanced-controls.js · requireGraphChecks and base requireData help

Behavior: The teacher key includes graphPractice for bar/rates/interval/table records and the data-design correct option/rationale once. The representation evidence belongs to the numerical rubric home and adds no second score. Root renders the learner display and enforces its optionality under requireData:false.

Entry 4

ID: SHARED-F-STRUCTURED-PRODUCT-REVIEW

Sources: p1/review.json · empty structural scaffolds; p2/semantic.json · generative products as rubric-linked submissions; p3/review.json · blank structured ledgers; p4/review.json · explicit instructor checklists; p5/review.json · learner-authored audit rows

Recommendation: Make multi-part generative products inspectable without filling them with an answer or equating word counts with quality.

Status: implemented-controls-and-review

Locations: advanced-controls.js · requireWorkspaces/workspacesReviewHTML/teacherKeyHTML; hosted-client.js · formatted submitted snapshot review

Behavior: Review tables show learner-authored cells, row labels, given context and human review notes, retaining zero-valued cells and unknown saved rows/columns. Row-specific field lists identify cells that are not requested. Completion and arithmetic validity are explicitly mechanical. Module configs and the root engine supply blank products and validators.

Entry 5

ID: SHARED-F-P5-ONE-SCORING-HOME

Sources: p5/review.json · democracy-alarm problems[2]; p4/review.json · criterion-by-criterion review; p2/review.json · rubric-linked exported evidence

Recommendation: Publish one outcome-to-evidence home per criterion and avoid double-counting criteria.

Status: implemented

Locations: advanced-controls.js · reviewCriteria/rubricHTML/reviewRubricText

Behavior: AdvancedRubric takes precedence. Matched reviewPrompts appear with their existing scoring row; repeated criterion labels and repeated prompts do not create another score. Unmatched prompts are comment-only. The exported blank review rubric uses the same map. Four-level 0-3 advanced rubrics and earlier 0-2 rubrics both retain every anchor.

Entry 6

ID: SHARED-F-P5-CALIBRATION-POSITIVE-FINDING

Sources: p5/review.json · democracy-alarm problems[2]; p1/review.json · positive contributions and justified retention; p5/semantic.json · semantic quality beyond keyed choices

Recommendation: Include two short contrasting unrelated calibration examples and assess positive warranted findings as well as overclaim avoidance.

Status: implemented

Locations: advanced-controls.js · rubricHTML

Behavior: The teacher view includes explicitly fictional library examples contrasting an untested attribution with a bounded positive observation and same-outcome rival comparison. Examples add no category or automatic score and do not solve any political dossier.

Entry 7

ID: SHARED-F-SEMANTIC-CAUSAL-LINKS

Sources: p1/semantic.json · recurring discriminating causal design; p2/semantic.json · assignment/selection and protected follow-up; p3/semantic.json · causal-design inspectability; p4/semantic.json · rights as research constraints; p5/semantic.json · same-outcome rivals and unready instruments

Recommendation: Inspect actual sources, outcomes, same-link rivals, feasible decisions and revised tests rather than award mastery from all-correct multiple choice or long prose.

Status: implemented-review-boundary

Locations: advanced-controls.js · rubricHTML/teacherKeyHTML/renderReviewRecord/reviewRubricText

Behavior: The teacher rubric foregrounds actual evidence and multiple defensible decisions. The task key directs review of actor/authority/constraints, numerical object/base, positive contribution and late revision. Submitted choices are labeled recorded factual results; prose quality remains human-reviewed. Module-specific causal and rights repairs live in each module ledger.

Entry 8

ID: SHARED-F-AUDIT-EXPORT-REASONS

Sources: p1/semantic.json · persuasion-hearing keep reference reasons visible on export; p4/review.json · six audit rows and distinction quality; p5/review.json · audit reasons not automatically graded

Recommendation: Retain factual-audit reference reasons and learner-written explanations in exports and teacher collection.

Status: implemented

Locations: advanced-controls.js · workspacesReviewHTML/renderReviewRecord/reviewHTML; hosted-client.js · snapshotHTML and snapshot download; server.js · immutable state cloning

Behavior: Structured review shows all audit cells and rationale histories. Full preserved JSON and exact download remain available. No control or backend transformation drops explanation fields.

Entry 9

ID: SHARED-F-AND-L-NOTE-REUSE

Sources: p1/review.json · civic final brief duplicate source/decision work; s1/review.json · explicit revised finding/new uncertainty and provenance; s2/review.json · newly applied reasoning instead of recap; s3/review.json · permission to reuse earlier passage; s4/review.json · assemble and revise prior notes; s5/review.json · synthesis/revision of existing work

Recommendation: Reduce repeated transcription through deliberate reuse while requiring an actual revised inference or new uncertainty.

Status: implemented-controls-and-review

Locations: advanced-controls.js · allowNoteReuse control/renderReviewRecord; hosted-client.js · snapshotHTML; server.js · schema6 payload preservation

Behavior: The default permits learner-selected reuse. Teacher review shows copied text, source, target and time separately from the explicit final revision reflection. Earlier notes and histories remain intact when settings change. Root supplies copy actions and reflection requirements; reuse does not replace unfamiliar transfer.

Entry 10

ID: SHARED-F-SUPPORT-AND-ATTEMPT-RECORDS

Sources: p3/review.json · separate unaided and hinted performance; p1/review.json · no grade penalty for support use; revision/REVISION_CONTRACT.md · retain methods rather than case-answer hints

Recommendation: Distinguish optional methods and hints from unaided attempts without treating support use as a reasoning-score penalty.

Status: implemented-review-and-preservation

Locations: advanced-controls.js · checkReviewHTML/methodReviewHTML; server.js · full-state roundtrip

Behavior: Submitted attempts retain helpUsed, methodUsage and hintUsage histories. Optional expansion/hint openings have a readable teacher history and no scoring deduction. Existing process hints and different-topic examples remain unchanged. Root records the usage events.

Entry 11

ID: SHARED-PRESERVE-CLASS-COLLECTION

Sources: User requirement to preserve full existing backend; Actual extracted backend source and README

Recommendation: Retain authenticated owned classes, public assignment lookup, personal recovery, collision checks and explicit immutable submissions.

Status: implemented-and-tested

Locations: server.js · existing API routes retained; hosted-client.js · snapshotHTML only presentation extension; test-backend.cjs

Behavior: Schema6 is added to the supported progress formats without changing credential hashes, sessions, recovery keys, ownership, revision guards, consent, immutable snapshot semantics, deletion protection, origin checks or private-draft access. The localhost test confirms these paths still work.

Entry 12

ID: SHARED-PRESERVE-PREFERENCES-IMPORT-SECURITY

Sources: User advanced-controls preservation requirement; p2/review.json · accessible equivalents

Recommendation: Keep local display preferences, 5907 gate, settings/progress imports and exports, independent storage and collision behavior.

Status: implemented-and-tested

Locations: advanced-controls.js · existing preference/unlock/storage paths retained; advanced-controls.js · handleFile error retention; test-v6-controls.cjs

Behavior: Three reading sizes, contrast, reduced motion, artwork and scaffolds retain separate storage. Unlocked-only mutation and exports remain. Invalid settings-file imports now keep their rejection message instead of clearing it. Recorded learner text is escaped in structured teacher review, and review-copy import/export does not alter the active learner branch.

Entry 13

ID: SHARED-RATIONALE-FEEDBACK-EXPOSURE

Sources: Final engine Fun-to-Class justification-supplement formatter regression

Recommendation: Make every submitted rationale's recorded feedback-exposure provenance visible without implying the reasoning was unaided.

Status: implemented-and-tested

Locations: advanced-controls.js · checkReviewHTML; test-v6-controls.cjs · schema6 review fixture and formatter assertions

Behavior: Each rationale displays recorded after feedback or recorded before this attempt's feedback according to history.afterFeedback. Earlier histories without that flag display exposure timing not recorded. The original choice and empty rationale remain in their original row, while a later supplementary rationale is displayed in its own row. Prior attempts/support remain visible and timing labels explicitly do not establish unaided reasoning. All20 controls tests and syntax checks pass.

Entry 14

ID: SHARED-SEALED-WORKSPACE-SUPPLEMENTS

Sources: Root runtime assignment-switch deadlock fix and exposure/history preservation requirement

Recommendation: Display the first committed initial workspace separately from any later supplement after the late record; preserve both in schema6 review and exports.

Status: implemented-and-tested

Locations: advanced-controls.js · workspaceHistoryReviewHTML/workspacesReviewHTML/renderReviewRecord; test-v6-controls.cjs · schema6 fixture and sealed workspace import/export case

Behavior: Teacher review shows sealed original cells, commitment time, assigned-at-commit and mechanical-validity-at-commit flags, then the separate current draft and dated after-late supplement history. Later cells do not replace the initial account or imply unaided first-exposure reasoning. Review JSON import/export and the connector roundtrip preserve both structures exactly. Full-state backend cloning already preserves them; no backend API mutation was needed. The controls suite now passes all20 cases.

Entry 15

ID: SHARED-MARKUP-ACCESSIBLE-CONTROLS

Sources: Root rendered-markup QA of simultaneous learner/instructor controls

Recommendation: Give the instructor connection URL a unique input id and preserve matching labels/actions; give both hidden JSON import inputs accessible names.

Status: implemented-and-tested

Locations: hosted-client.js · common/renderInstructor/connect action; advanced-controls.js · hidden settings/review file inputs; test-v6-controls.cjs · visible control names and instructor connection event

Behavior: Learner and instructor URL inputs use backend-url and backend-instructor-url respectively. Each Connect button identifies its URL input and the handler reads that target. Both JSON import inputs have explicit aria-labels. The controls suite still passes all 19 cases, including actual instructor Connect event targeting.

Entry 16

ID: SHARED-OLD-HISTORY-PRESERVATION

Sources: User no-history-loss requirement; revision/REVISION_CONTRACT.md · schema3/4/5 as history

Recommendation: Accept current schema6 while preserving earlier saved work as readable/exportable history.

Status: implemented

Locations: advanced-controls.js · reviewRecord/renderReviewRecord; server.js · statePayload; README.md · progress contract

Behavior: Backend and teacher-review imports support schemas3/4/5/6 and preserve original records. Schema6 review presents legacyArchive and priorRuns separately. No old completion is promoted into new credit by these read/save paths. Root implements active-case migration.

Entry 17

ID: SHARED-CLAIM-BOUNDARIES

Sources: All five faculty and learner reports · AI-role and evidence limits; User no publishing/live-write constraint

Recommendation: Do not claim human learning gains, actual enjoyment, native-browser usability, cloud deployment or unperformed testing.

Status: preserved

Locations: README.md · deployment and verification boundaries; test-v6-controls.cjs · scope output; test-backend.cjs · scope output

Behavior: Verification is labeled Node VM/fake connector integration and temporary real localhost HTTP. No permanent service, site publication, package install, browser use or live account/backend write was performed. A human delayed-transfer pilot is outside this implementation task and remains a concrete future evaluation need.