

Rendering Placement Timeline v1

When Is a Page Built? Build Time, Request Time, and Browser Time

Outcome. Given a bounded feature, place each generation or rendering responsibility at build time, request time, browser time, or a justified hybrid boundary without framework-specific mythology.

Evidence gate. Every row names a responsibility, observed requirement, placement, trigger, rationale, uncertainty, and next evidence.

Place each responsibility on a time-and-location model

01 BUILD TIME Authority: Source/data/templates become an artifact before the specific request Boundary: The browser still processes and displays the result later.	02 REQUEST TIME Authority: Server work uses request-time identity, inputs, or current state Boundary: This does not imply every page concern is request-generated.	03 BROWSER TIME Authority: Browser parses, renders, handles interaction, and may update local state Boundary: Browser work does not reveal initial generation timing.
04 HYBRID Authority: One bounded responsibility genuinely spans multiple timing boundaries Boundary: Prefer separate rows when responsibilities can be decomposed.	05 UNKNOWN Authority: Available evidence does not establish placement Boundary: Name the next evidence instead of guessing from a stack acronym.	

Identity, decision, and claim boundary

Learner		Reviewer	
Case / attempt		Capture date	
Scenario / concern		Decision	BUILD_TIME / REQUEST_TIME / BROWSER_TIME / HYBRID / UNKNOWN

Claim boundary. This is a conceptual decision lesson, not a coding lab. Use only scenario facts and declared sources; preserve uncertainty and learner-authored reasoning. A placement claim is about a bounded responsibility, not a permanent label for the whole page.

Required record fields and evidence tests

A field is complete only when its value is bounded, traceable, and classified. Use UNKNOWN when the required observation is unavailable or contradictory.

Field	Question to close	Minimum evidence	Invalid promotion
responsibility	How is responsibility bounded and justified?	Allowed classification, reason, boundary, and reviewer	A page-wide label replaces row-level analysis
observed_fact_or_requirement	What was actually observed for observed fact or requirement?	Scenario fact or direct observation with a locator	An inference is promoted to a fact
placement	How is placement bounded and justified?	Allowed classification, reason, boundary, and reviewer	A page-wide label replaces row-level analysis
trigger_or_input	What does trigger or input mean in this case?	Bounded scenario fact, source, or observable	Inference can be relabeled as observation
rationale	Which facts support rationale?	Reasoning tied to an observation and explicit limit	Plausibility is treated as proof
uncertainty_or_constraint	What remains outside uncertainty or constraint?	Explicit unknown, constraint, or non-claim	Missing evidence is hidden or converted to confidence
next_evidence	What evidence closes or revises next evidence?	Smallest relevant observation or counterexample	A named tool or source is assumed to have been checked

Evidence and failure states

Evidence: OBSERVED / INFERRED / UNKNOWN. Decisions: BUILD_TIME / REQUEST_TIME / BROWSER_TIME / HYBRID / UNKNOWN. Failure layers: GENERATION_TIMING / REQUEST_INPUT / BROWSER_BEHAVIOR / UPDATE_POLICY / FRAMEWORK_ASSUMPTION / UNKNOWN.

Rendering Placement Ledger

English support projection from derived_text/tables/WEBF004-TAB1.example.en-US.json. This example demonstrates field relationships; it does not supply the learner's transfer or final decision evidence.

Field	Governed row 1	Governed row 2	Comparison question
responsibility	Release-notes document generation	Disclosure interaction	Which boundary changed, and which evidence remains stable?
observed_fact_or_requirement	The document is produced during deployment and served unchanged until the next release.	Clicking expands content already delivered to the browser.	Which boundary changed, and which evidence remains stable?
placement	BUILD_TIME	BROWSER_TIME	Which boundary changed, and which evidence remains stable?
trigger_or_input	Deployment and release content	User interaction and browser state	Which boundary changed, and which evidence remains stable?
rationale	The artifact exists before the specific user request.	The state change occurs after delivery without a new page response in this scenario.	Which boundary changed, and which evidence remains stable?
uncertainty_or_constraint	This does not prove the page has no browser-time behavior.	Original HTML generation timing is not established by this row.	Which boundary changed, and which evidence remains stable?
next_evidence	Confirm rebuild and invalidation policy.	Inspect whether any click path also requests server data.	Which boundary changed, and which evidence remains stable?
Source-package validation	ACCEPTED_IMPORTABLE; 0 blockers; 0 warnings · QA_ACCEPTED_ELIGIBLE		

Complete Rendering Placement Timeline v1

Enter one bounded value per required field. Every material entry needs an evidence locator and a state. Use additional workbook rows when the artifact needs multiple concerns, responsibilities, resources, or path steps.

Required field	Learner value	Evidence locator	State / review note
responsibility			OBSERVED / INFERRED / UNKNOWN
observed_fact_or_requirement			OBSERVED / INFERRED / UNKNOWN
placement			OBSERVED / INFERRED / UNKNOWN
trigger_or_input			OBSERVED / INFERRED / UNKNOWN
rationale			OBSERVED / INFERRED / UNKNOWN
uncertainty_or_constraint			OBSERVED / INFERRED / UNKNOWN
next_evidence			OBSERVED / INFERRED / UNKNOWN

Human closure

Decision	BUILD_TIME / REQUEST_TIME / BROWSER_TIME / HYBRID / UNKNOWN	Reviewer	
Residual uncertainty		Consequence	
Smallest next evidence		Evidence owner / date	

Bound concern → observe → classify → stress → decide

Analyze one responsibility at a time. A changed condition is a counterexample probe, not permission to invent implementation facts.

Case	Bounded concern or change	Provisional decision	Deciding evidence	Learner observation	Stable / unresolved boundary
RELEASE NOTES	Document is generated during deployment	Place document generation at BUILD_TIME	Deployment trigger and pre-existing artifact	_____	_____
SHIPPING ESTIMATE	Value depends on destination and current inventory	REQUEST_TIME is plausible for returned estimate	Request inputs, current state, and response path	_____	_____
DISCLOSURE	Click expands content already in the browser	Place the state change at BROWSER_TIME	Interaction and absence of a required new response	_____	_____
PRODUCT PAGE	Shell, price, and wishlist use different timing boundaries	Use separate rows; do not expose a completed transfer answer	Learner-authored placement and uncertainty for each responsibility	_____	_____

Reasoning sequence

Phase	Action	Required capture	Truth rule
Boundary	Write one bounded responsibility per row.	Scenario fact, evidence locator, or explicit UNKNOWN	A placement claim is about a bounded responsibility, not a permanent label for the whole page.
Boundary	Name the trigger or input before choosing a placement.	Scenario fact, evidence locator, or explicit UNKNOWN	A placement claim is about a bounded responsibility, not a permanent label for the whole page.
Boundary	Keep unknown generation mechanisms UNKNOWN.	Scenario fact, evidence locator, or explicit UNKNOWN	A placement claim is about a bounded responsibility, not a permanent label for the whole page.
Stress test	Separate document generation from browser display.	Prediction, changed assumption, stable boundary, next evidence	A plausible counterexample does not become an observed implementation fact
Stress test	Add request-specific data to one concern only.	Prediction, changed assumption, stable boundary, next evidence	A plausible counterexample does not become an observed implementation fact
Stress test	Split a page-wide acronym into row-level placements.	Prediction, changed assumption, stable boundary, next evidence	A plausible counterexample does not become an observed implementation fact

Guardrail. Do not force a whole page into 'server-rendered' or 'client-rendered' when its responsibilities occur at different times.

Changed-context transfer

Build an independent timeline for a product shell produced before traffic, price computed per request, and wishlist state activated in the browser.

Transfer item	Changed-context requirement	Learner evidence	Review check
Scenario	State the changed concern, resource, or responsibility boundary.	_____	Worked scenario not copied
Observed facts	Record only facts supplied or directly observed.	_____	Inference stays separate
Concern split	Create separate rows for independent responsibilities or paths.	_____	No page-wide shortcut
Classification	Choose only BUILD_TIME / REQUEST_TIME / BROWSER_TIME / HYBRID / UNKNOWN or preserve UNKNOWN.	_____	Placement is justified
Failure probe	Apply one counterexample that tests an over-broad claim.	_____	No invented mechanism
Non-claims	State at least two limits plus the smallest next evidence.	_____	Residual and next evidence stated

Non-compensatory review

Critical dimension	PASS / REPAIR	Evidence locator	Repair or rationale
Scenario and responsibility boundary correctness	_____	_____	_____
Observation, inference, and source traceability	_____	_____	_____
Decision rationale and next-evidence quality	_____	_____	_____
Failure diagnosis and overclaim resistance	_____	_____	_____
Transfer, residual uncertainty, and non-goals	_____	_____	_____

Canonical QA gate

Validation	ACCEPTED_IMPORTABLE; 0 blockers; 0 warnings	Disposition	QA_ACCEPTED_ELIGIBLE
Blocker / note	No canonical-source blocker recorded.	Clearance receipt	_____

Media decision. Deck and video are NOT_APPLICABLE_WITH_RATIONALE; the embedded visuals, editable record, worksheet, and learner-authored reasoning are the assessed support.