

Web Technology Responsibility Map v1

What HTML, CSS, and JavaScript Each Do

Outcome. Classify a bounded page concern into HTML, CSS, JavaScript, a combination, or outside the trio; justify the placement and name uncertainty.

Evidence gate. Classify the concern, not the whole feature; cite the responsibility and state what evidence could change the decision.

Five destinations for a page concern

01 HTML Authority: Document structure, semantics, content relationships, and suitable native elements Boundary: HTML can include declarative behavior; styling is not its primary role.	02 CSS Authority: Presentation, layout, responsive rules, and visual state expression Boundary: CSS is not merely decoration and does not create document semantics.	03 JAVASCRIPT Authority: Programmed behavior in the browser/page host and browser API coordination Boundary: The language also runs elsewhere; this bucket is page-facing browser behavior.
04 COMBINATION Authority: A feature whose bounded responsibilities span two or more page technologies Boundary: Name each responsibility; do not assign the whole feature to one label.	05 OUTSIDE TRIO Authority: Server, database, build pipeline, native platform, or another boundary Boundary: Implementation language does not move a server responsibility into the browser bucket.	

Identity, decision, and claim boundary

Learner		Reviewer	
Case / attempt		Capture date	
Scenario / concern		Decision	HTML / CSS / JavaScript / COMBINATION / OUTSIDE_TRIO

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 technology can participate without owning every responsibility in the feature.

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
observed_concern	What was actually observed for observed concern?	Scenario fact or direct observation with a locator	An inference is promoted to a fact
primary_responsibility	How is primary responsibility bounded and justified?	Allowed classification, reason, boundary, and reviewer	A page-wide label replaces row-level analysis
rationale	Which facts support rationale?	Reasoning tied to an observation and explicit limit	Plausibility is treated as proof
boundary_or_uncertainty	What remains outside boundary or uncertainty?	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: HTML / CSS / JavaScript / COMBINATION / OUTSIDE_TRIO. Failure layers: SEMANTICS / PRESENTATION / BROWSER_BEHAVIOR / MULTI_RESPONSIBILITY / OUTSIDE_PAGE_TRIO / UNKNOWN.

HTML/CSS/JavaScript Responsibility Matrix

English support projection from derived_text/tables/WEBF002-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
observed_concern	Product name is required to be a heading in the document structure.	Card grid changes column count with available width.	Which boundary changed, and which evidence remains stable?
primary_responsibility	HTML	CSS	Which boundary changed, and which evidence remains stable?
rationale	The concern is structural and semantic; styling can participate without owning that relationship.	The concern is presentation and layout and can be expressed by responsive CSS rules.	Which boundary changed, and which evidence remains stable?
boundary_or_uncertainty	This does not determine typography or the server that generated the markup.	This does not rule out JavaScript for separate application-state behavior.	Which boundary changed, and which evidence remains stable?
next_evidence	Inspect the actual document requirement if heading level or context is disputed.	Clarify whether program logic must react to the layout state.	Which boundary changed, and which evidence remains stable?
Source-package validation	ACCEPTED_IMPORTABLE; 0 blockers; 0 warnings · QA_ACCEPTED_ELIGIBLE		

Complete Web Technology Responsibility Map 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
observed_concern			OBSERVED / INFERRED / UNKNOWN
primary_responsibility			OBSERVED / INFERRED / UNKNOWN
rationale			OBSERVED / INFERRED / UNKNOWN
boundary_or_uncertainty			OBSERVED / INFERRED / UNKNOWN
next_evidence			OBSERVED / INFERRED / UNKNOWN

Human closure

Decision	HTML / CSS / JavaScript / COMBINATION / OUTSIDE_TRIO	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
PRODUCT HEADING	A product name must be a heading in the document structure	HTML is primary; CSS may style it	Required semantic relationship and document context	_____	_____
RESPONSIVE GRID	Cards change column count with available width	CSS is primary for the presentation rule	Layout requirement and responsive rule	_____	_____
LOCAL COUNT	A button updates a count already held in page state	JavaScript owns programmed browser behavior	Event, state transition, and rendered update	_____	_____
DURABLE SUBMISSION	A server validates and stores a purchase	The durable responsibility is OUTSIDE_TRIO	Server contract and persistence requirement	_____	_____

Reasoning sequence

Phase	Action	Required capture	Truth rule
Boundary	Name one bounded concern per row.	Scenario fact, evidence locator, or explicit UNKNOWN	A technology can participate without owning every responsibility in the feature.
Boundary	Select the primary responsibility from the allowed set.	Scenario fact, evidence locator, or explicit UNKNOWN	A technology can participate without owning every responsibility in the feature.
Boundary	Write the boundary or uncertainty before the final decision.	Scenario fact, evidence locator, or explicit UNKNOWN	A technology can participate without owning every responsibility in the feature.
Stress test	Separate semantics from visual styling.	Prediction, changed assumption, stable boundary, next evidence	A plausible counterexample does not become an observed implementation fact
Stress test	Separate responsive presentation from application state.	Prediction, changed assumption, stable boundary, next evidence	A plausible counterexample does not become an observed implementation fact
Stress test	Move durable server work outside the trio.	Prediction, changed assumption, stable boundary, next evidence	A plausible counterexample does not become an observed implementation fact

Guardrail. Replace the slogan 'HTML content, CSS beauty, JavaScript logic' with responsibility-specific claims.

Changed-context transfer

Map a form with labels, responsive layout, client validation, and a server submission endpoint without assigning the whole form to one technology.

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 HTML / CSS / JavaScript / COMBINATION / OUTSIDE_TRIO 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.