Data Pipeline Review Workbook

Six review worksheets, eight failure-case prompts, and a fictional cache and event-time walkthrough.

Define inputs before architecture

Record required fields, units, permissions and invalid-input behaviour. A familiar architectural name does not establish these contracts. The supplied tenant and event identifiers are entirely fictional.

Use availability time

An observation may exist before your system can access it. In the walkthrough, E-01 is observed at 12:00 but available at 12:03, so a 12:02 decision excludes it. Record corrections at the time they become available rather than inserting future knowledge into an earlier snapshot.

01 / Input contract

Accepted input and units
Fictional event E-01: tenant T-A, observedAt 12:00, availableAt 12:03, amount 20 demo units.

Required and optional fields
tenant, event ID, availableAt and numeric amount are required; a note is optional.

Invalid-input behaviour
Reject nonnumeric amount with an explicit error and retain the original request ID.

Boundary between callers
Never share a result across tenant IDs, even if the visible query text matches.

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