

Solution architecture review

Illustrative order platform / component responsibilities

WORKFLOW

Order fulfilment

BOUNDARY

Application + data

REVIEW

Design trade-offs

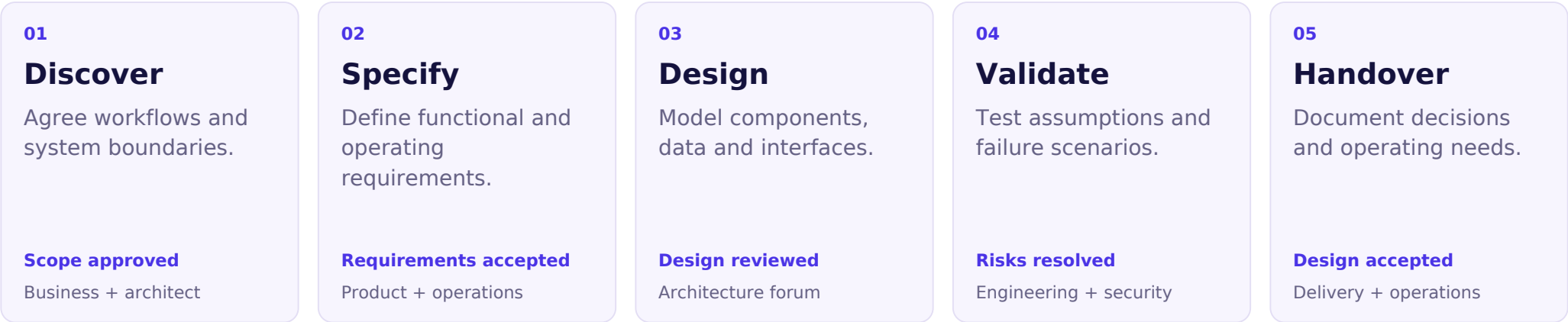
Component	Responsibility	Critical dependency	Design check
Order service	Own order state + validation	Customer + product data	Idempotency + exceptions
Integration layer	Exchange controlled events	ERP + fulfilment services	Retries + traceability
Data platform	Provide governed reporting data	Validated source contracts	Lineage + freshness
Observability	Expose faults and service status	Logs + transaction identifiers	Owner + escalation path

Follow the failure path as carefully as the happy path.

A concept architecture: final topology, sizing and deployment choices follow validated requirements.

Implementation & governance blueprint

System Design & Architecture / indicative sequence, gates and accountable roles



GOVERNANCE / DECISIONS, OWNERS AND EVIDENCE

Decision	Accountable role	Evidence
Requirements	Product + business	Accepted scope and non-functional criteria
Design decisions	Architecture owner	Alternatives and decision records
Security review	Security owner	Threat considerations and control design
Operational acceptance	Service owner	Runbook, observability and recovery requirements

Timing and final roles follow the scope, dependencies and readiness. No delivery result is implied.