



Cross-Chapter Capstone & Incident Roadmap

When the DMBOK stops behaving like separate chapters

CDMP DMBOK Mastery Lab • Applied Learning Companion Program

Why capstones exist

Real data problems rarely arrive labeled “Metadata” or “Data Quality.” A capstone starts with an outcome or incident and requires you to identify the leading problem, supporting Data Management areas, sequence of work, evidence and trade-offs. These should begin only after the contributing chapters have been learned individually.

CAP-01 Customer 360 Trust Crisis

 **Trigger:** Leadership wants one trusted customer view. CRM, POS and Service disagree on identity and attributes; downstream reports disagree on customer counts.

Dimension	Capstone design
DMBOK areas	3 Governance; 4 Architecture; 5 Modeling; 8 Integration; 10 Master/Reference; 12 Metadata; 13 Quality; 16 Roles
Suggested staged response	Define decision authority → map sources/grain → profile/compare identities → design match/survivorship → build mastered output → document metadata/lineage/quality → assign stewardship and monitoring.
Evidence package	Trusted customer dataset/view, match evidence, decision log, glossary/metadata, quality metrics.
Scaffold	First run as guided/faded case. Later rerun from incident brief only.
Success test	Learner identifies a defensible lead area, explains why other areas support rather than replace it, and sequences work based on the evidence.

CAP-02 Revenue KPI Cannot Be Traced

 **Trigger:** Finance challenges a dashboard number. BI can show the SQL but no one can explain all source and transformation assumptions.

Dimension	Capstone design
DMBOK areas	3 Governance; 4 Architecture; 8 Integration; 11 DW/BI; 12 Metadata; 13 Quality
Suggested staged response	Define KPI/business meaning → trace dashboard to warehouse → trace transformations to sources → reconcile counts/amounts → document lineage/definitions → fix quality or logic and establish ownership.

Dimension	Capstone design
Evidence package	KPI definition, lineage map, reconciliation SQL, corrected report evidence, owner/steward.
Scaffold	First run as guided/faded case. Later rerun from incident brief only.
Success test	Learner identifies a defensible lead area, explains why other areas support rather than replace it, and sequences work based on the evidence.

CAP-03 Restricted Customer Data Exposure

 **Trigger:** A reporting user can query synthetic sensitive attributes outside their business need.

Dimension	Capstone design
DMBOK areas	3 Governance; 7 Security; 12 Metadata; 16 Roles
Suggested staged response	Confirm classification/need → inspect current privileges → determine governance/security responsibility → remove excess privilege/use view → test denied/allowed access → record evidence and recertification action.
Evidence package	Classification, CRUD/access matrix, GRANT/REVOKE scripts, access-test evidence.
Scaffold	First run as guided/faded case. Later rerun from incident brief only.
Success test	Learner identifies a defensible lead area, explains why other areas support rather than replace it, and sequences work based on the evidence.

CAP-04 Product / Reference Definition Split

 **Trigger:** PIM and analytics use different product category lists and business meaning.

Dimension	Capstone design
DMBOK areas	3 Governance; 8 Integration; 10 Reference/Master; 12 Metadata; 13 Quality
Suggested staged response	Identify competing code sets → establish authority/decision rights → map/reconcile values → publish controlled reference set → update integration/metadata → monitor invalid values.
Evidence package	Reference mapping, governed list, source-target change, metadata update, validation.
Scaffold	First run as guided/faded case. Later rerun from incident brief only.
Success test	Learner identifies a defensible lead area, explains why other areas support rather than replace it, and sequences work based on the evidence.

CAP-05 Data Management Transformation

 **Trigger:** Meridian has completed many labs but practices are inconsistent and one business unit resists enterprise adoption.

Dimension	Capstone design
DMBOK areas	3 Governance; 15 Maturity; 16 Organization/Roles; 17 Change
Suggested staged response	Assess evidence/maturity → identify critical gaps → prioritize roadmap → clarify roles/decision rights → create stakeholder/change plan → define adoption and operating metrics.
Evidence package	Maturity assessment, roadmap, role model, change plan, adoption measures.
Scaffold	First run as guided/faded case. Later rerun from incident brief only.
Success test	Learner identifies a defensible lead area, explains why other areas support rather than replace it, and sequences work based on the evidence.

Capstone rules

- Do not force every chapter into every incident.
- The leading DMBOK problem must be distinguishable from contributing symptoms.
- Sequence should be justified from the case and source concepts, not invented as a universal DAMA sequence unless the DMBOK explicitly establishes one.
- Reuse real Meridian lab artifacts where possible so the capstone feels cumulative.
- Include changed-fact variations: for example, what changes if the business definition is agreed but the data is wrong, versus data is accurate but the definition is disputed?
- Finish with both technical evidence and an executive/steward explanation in plain language.