

COS20031-Rubric Summary

1 Final Report & Product Deliverable (W12)

Purpose & 6 ULOs

- **Purpose:** Provide evidence of your work this semester—both **process** and **deliverables**.
- **Unit Learning Outcomes (address in the report):** (1) independently acquire basics on choosing DB tech and relational/NoSQL design; (2) plan with industry tools; (3) apply ethical/professional/technical considerations; (4) **discuss storage options incl. privacy & security**; (5) **design & implement a DB solution incl. data access/manipulation & privacy/security**; (6) contribute as a responsible team member.

Submission Requirements

1. PDF of custom exported Confluence Space, containing:

- "Initial ER diagram (Week 4)"
- "Review of ER diagram to normalise/denormalise, revise relationships (Week 5), possible subsequent reviews (e.g. adjustments due to use cases)"
- "Physical database (Week 6) - Create Table statements"
- "Document on data creation and null values (Week 7)"
- "Use cases and SQL statements, transactions (Week 8)"
- "Performance (indexes) (Week 9)"
- "Major-specific work (naming the contributor) (Week 10 + 11)"
- "Team reflection (4L Retrospective) (Week 12)"
- "Task management (all weeks)"
- "Meeting minutes (all weeks)"

2. Submission logistics:

- "Only one team member submits the final report and product deliverable to Canvas. Everyone else makes a submission that explains who made the final submission on behalf of the team."

Marking Criteria (**Total points: 25**)

1. ER diagrams: *Initial draft and subsequent revisions.* (4 pts)

"4 to >3.0 Pts Good ER diagrams are clear, entities, primary keys and attributes are meaningful, attributes are in the appropriate entities, revisions and normalisation/denormalisation are correctly applied. Weak entities are correctly modelled."

2. Physical Database: *Tables, attributes, data types, constraints (including foreign key)* (3 pts)

"3 to >2.0 Pts Good Tables, attributes and data types have been correctly translated from conceptual model. Constraints, including foreign keys, are correct bar minor flaws."

3. Data creation: *Process of data creation, example data* (2 pts)

"2 Pts Good Data creation tool functionality has been described in the context of the project task. An example of data for each table has been presented and they are meaningful."

4. Use cases: *Scenario description & implementation in SQL* (3 pts)

"3 to >2.0 Pts Good All or most relevant use cases have been identified and described as scenarios, the implementation in SQL is mostly correct."

5. Performance (Indexes): *Identification of attributes suitable for indexing, test of indexes* (2 pts)

"2 Pts Good Candidate attributes for indexing have been identified correctly. Indexes have been investigated and the conclusion whether to delete or retain the index are correct."

6. Major-specific contributions: *Individual students' contributions according to major* (4 pts)

"4 to >3.0 Pts Very Good Good contribution to the project that enhances its value. Meaningful approach and understandable presentation."

7. Team Retrospective: *Team's thoughts on teamwork and contributions* (2 pts)

"2 Pts Good Good collaborative reflection of team."

8. Task Tracking: *Task management, timeliness of work, team member contributions* (5 pts)

5 to >4.0 Pts Very Good:

- Evidence of good project management practices, including regular meeting notes that assign actions to team members and document team decisions.
 - Demonstrate how tasks were managed effectively. Evidence of good task management in the minutes and Confluence.
 - Team holds all team members accountable for work completed. Missed deadlines are recorded in meeting minutes and actions identified to get team back on track.
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2 Process & Product Video (Week 12)

Purpose & ULOs 3, 4, and 6

- **Purpose:** Summarise your team's **process** and **demonstrate the finished product**; discuss **usability** for intended purposes (use cases) and **design considerations** (normalisation, denormalisation, weak entities, and their purposes). The video is a short version of your final report and is a **team deliverable worth 10%**.
- **Unit Learning Outcomes to address:** (3) apply ethical/professional/technical considerations; (4) **discuss storage options incl. privacy & security**; (6) contribute as a respectful, responsible team member.

Submission Requirements

- **"3 minute video (max 4 minutes)** on the process and product created for this project."

- **Content:**
 1. **Title slide with team names.**
 2. **Introduction and project background, summary of requirements.**
 3. **Mission statement and objectives.**
 4. **1-2 slides about team process (collaboration, roles, contributions to solution).**
 5. **1-3 slides about the logical/physical design, discussion of decisions made regarding the entities and their relationships.**
 6. **Discussion of solutions to use cases (e.g. SQL, also the design solutions influenced by these use cases - there is overlap with item 5 here).**
 7. **1-5 slides on major-specific technology.**
 8. **Summary of solution and lessons learnt.**
- **"All students** expecting to receive marks for this assessment **must contribute to the video, including the narration."**
- **Submission logistics: "Only one team member submits** the video to Canvas. Everyone else makes a submission that explains who made the video submission on behalf of the team."

Marking Criteria (Total points: 10)

1. **Title, Background, Statement and Objectives, Conclusion (2 pts):** Title is complete, background is well explained, objectives are clear, conclusion concise and logical.
2. **Process (2 pts):** Collaboration, process, roles, task management and contributions are all clear.
3. **Design and Use Cases, major-specific contributions (4 pts):** It is clear that good quality deliverables have been developed. Details are interesting and convincing.
4. **Illustration and presentation quality (2 pts):** The presentation was clear, the narrative advanced in a logical manner and the visual background helped the viewer understand the topic."