



Unit 3 Project Design Rubric

Course: CMSC 495 6381 Computer Science Capstone (2262)

Criteria	Excellent 15 points	Good 12 points	Fair 9 points	Poor 0 points	Criterion Score
Project Scope	Clearly defines objectives, deliverables, boundaries, and limitations. The scope is realistic and achievable.	Defines objectives and deliverables. Boundaries and limitations are somewhat fuzzy.	Objectives and deliverables are vaguely stated. Boundaries and limitations are missing or unclear.	The scope is missing or completely unrealistic.	/ 15
Project Requirements	Lists functional and non-functional requirements in detail with a clear understanding of user needs.	Lists some functional and non-functional requirements. User needs are partially considered.	Requirements are missing or generic. User needs are not addressed.	Requirements are absent or irrelevant to the project.	/ 15
Project Methodology	Identifies an appropriate project management approach (Agile or Waterfall) and provides convincing justification based on project characteristics.	Mentions a project management approach but justification is weak or missing.	Project management approach is not mentioned or poorly chosen.	Methodology is absent or irrelevant to the project.	/ 15

Criteria	Excellent 15 points	Good 12 points	Fair 9 points	Poor 0 points	Criterion Score
Project Schedule	Detailed time-line with defined milestones, deadlines, and dependencies between tasks.	A timeline exists with some milestones and deadlines. Dependencies are not fully explored.	The timeline is vague or missing. Dependencies are not considered.	Schedule is absent or irrelevant to the project.	/ 15

Criteria	Excellent 10 points	Good 8 points	Fair 6 points	Poor 0 points	Criterion Score
Project Tasks	Tasks are clearly defined, manageable, and time/resource estimates are accurate.	Tasks are somewhat defined and manageable, but time/resource estimates are unclear.	Tasks are vaguely defined or unrealistic. Time/resource estimates are missing or inaccurate.	Task breakdown is missing or completely unrealistic.	/ 10
Project Resources	Clearly identifies and allocates personnel, equipment, and budget resources with cost and availability considerations.	Resources are partially identified and allocated. Cost and availability are not fully addressed.	Resource allocation is missing or poorly planned.	Resource management is absent or irrelevant to the project.	/ 10

Criteria	Excellent 10 points	Good 8 points	Fair 6 points	Poor 0 points	Criterion Score
Project Risks	Anticipates potential risks with high impact and likelihood and outlines effective mitigation strategies.	Identifies some potential risks but impact and likelihood are not fully assessed. Mitigation strategies are generic or incomplete.	Risk assessment is missing or superficial. Mitigation strategies are absent or ineffective.	Risk management is absent or irrelevant to the project.	/ 10
Project Evaluation Plan	Establishes clear and measurable criteria for evaluating progress and outcomes, aligned with project goals.	Evaluation plan exists with some criteria but clarity or alignment with goals is lacking.	Evaluation plan is missing or poorly defined. Criteria are unclear or irrelevant.	Evaluation is absent or irrelevant to the project.	/ 10

Total / 100

Overall Score

Level 4

11 points minimum

Level 3

8 points minimum

Level 2

5 points minimum

Level 1

0 points minimum