Design Document Grading Rubric

Key Component of Document / Criteria	Details	Unsatisfactory	Satisfactory	Excellent
Overall Style		2%	3%	4.0%
Format Issues	Includes title page, table of contents, list of figures and tables and references. Pages are numbered, figures and tables are introduced, headings are numbered, etc	1%	1.5%	2.0%
Executive Summary	Executive summary page includes descriptions of all the elements – Development standards & practices, Requirements, List of relevant courses, New skills acquired.	1%	1.5%	2%
Chapter 1- Introduction		8.0%	14%	18.0%
Project Statement	Introduces purpose of the project, what you are trying to do.	2.0%	3.0%	4.0%
Operational environment	Environment where your system will operate	0%	0.5%	1.0%
Requirements	Comprehensive, quantitative requirements incl functional, environmental, and economic.	3.0%	4.5%	6.0%
Users and use cases	Who are the intended users, what are the use cases?	1%	1.5%	2.0%
Assumptions and limitations	What are the assumptions for your design? What are its limitations?	1%	1.5%	2.0%
Deliverables	Introduce your itemized goals and the required project deliverables.	1.0%	3.0%	3.0%
Chapter 2- Project plan		7%	12.5%	18.0%
Task decomposition	Task/subtask decomposition with dependences	2%	3.5%	5%
Risks and risk management	Did you identify risks and risk management approaches	1%	1.5%	2%
Milestones, Metrics and evaluation criteria	Did you identify Milestones and evaluation criteria for different tasks	2%	3%	4%
Project Schedule	Schedule, Gantt chart	2%	3%	4%
Project tracking procedures	How will you track progress? Process and metrics.	0%	0.5%	1%
Personnel Effort	Personnel effort task by task	0%	0.5%	1%
Other Resources	Other resources task by task	0%	0.25%	0.5%
Financial Requirements	Financial resources	0%	0.25%	0.5%

		15%	22.5%	30%
Chapter 3 - Design		15%	22.5%	30%
Previous work	Previous work and literature	0%	0.5%	1%
Design Thinking	Design thinking – define and ideate	0%	0.5%	1%
Proposed Design	Discuss what you have designed/implemented	9%	12%	15%
Technology considerations	Available technology tradeoffs	0%	0.5%	1%
Design Analysis	Did the design work? Iterations? Feasibility?	3.0%	4.0%	5.0%
Development process	Development process followed with justification	0%	0.5%	1%
Design Plan	Design plan justified with respect to use cases, requirements,	3%	4%	5%
Financial Requirements	Financial resources	0%	0.5%	1%
Chapter 4 - Testing		9.0%	13.5.0%	18.0%
Unit Testing	Unit level testing plan	2%	3%	4%
Interface/integration Testing	Testing plan for interfaces/integration	2%	3%	4%
		2%	3%	4%
Acceptance testing	Testing against requirements	3%	4.5%	6%
Results	Testing results			
Chapter 5 - Implementation		6%	8%	10.0%
Implementation	Implementation details if any, or implementation feasibility of design. This could be traded for design points as well.	6%	8%	10%
Chapter 6 - Conclusions		0.0%	1.0%	2.0%
Conclusions	Summarizes functionality	0.0%	0.5%	1.0%
References	Summarizes all sources cited	0.0%	0.5%	1.0%