

Engineering Definitions Rubric
(Rev. 2025-10-21)

Project Name: _____

Reviewer: _____

Date: _____

Students can use any or all worksheets.

The following documents were reviewed: __ Needs & Requirements workbook, __ Use Cases, __ User Stories

Criteria	Exceeds Expectations 93-100 (A), 90-92 (A-)	Matches Expectations 87-89 (B+), 83-86 (B), 80-82 (B-)	Fair 77-79 (C+), 73-76 (C), 70-72 (C-)	Engineering Definitions Improvement 67-69 (D+), 65-66 (D)	Unacceptable Below 65 (F)	Raw Numerical Score	Weight	Weighted Score
The Engineering Definition Document(s) contains (one or more of the following): <ul style="list-style-type: none"> Clearly defined and evaluated customer needs, and requirements systematically derived from those needs Well-developed use cases illustrating system interactions and operational scenarios Well-defined user stories capturing functional expectations and user perspectives 	Identified Engineering Definitions are well-defined and developed. Engineering Definitions well capture the functions that the project must perform.	Many Engineering Definitions are well-defined and developed. Engineering Definitions well capture the functions that the project must perform.	Some Engineering Definitions are defined and developed. Engineering Definitions capture the functions that the project must perform.	Few Engineering Definitions and specs are defined and developed. The Engineering Definitions need improvement to capture the functions that the project must perform.	The Engineering Definitions and specs are not defined or are poorly developed. The Engineering Definitions need significant improvement to capture the functions that the project must perform.		0.33	
Engineering Definitions Include: <ul style="list-style-type: none"> Performance specifications Ergonomics Applicable Standards Usability Accessibility Reliability, Durability, and Availability Manufacturability and Material Maintainability and Support Environmental impact Interface 	The Engineering Definitions very well cover all of the topic areas. They are very helpful in defining what will make the project successful.	The Engineering Definitions well cover all of the topic areas. They are mostly helpful in defining what will make the project successful.	The Engineering Definitions cover some of the topic areas. They are somewhat helpful in defining what will make the project successful.	The Engineering Definitions cover few of the topic areas. They are not very helpful in defining what will make the project successful.	The Engineering Definitions do not cover most or any of the topic areas. It is unclear what will make the project successful.		0.33	
Overall Quality <ul style="list-style-type: none"> Attention to Detail Workmanship Completeness in defining a Minimum Viable Product (MVP) Consistent Concise Clarity 	All of the identified Engineering Definitions appear to be thorough and complete in defining the project. They very clearly define an MVP. They are very well written. The wording is very clear and concise and easy to understand.	The majority of the identified Engineering Definitions appear to be thorough and complete in defining the project. They very clearly define an MVP. They are well written. The wording is clear and concise and easy to understand.	Many of the identified Engineering Definitions appear to be thorough and complete in defining the project. They somewhat define an MVP. They are somewhat well-written. The wording is somewhat clear, concise, and easy to understand.	A few of the identified Engineering Definitions are thorough and complete in defining the project. They are not very helpful in defining an MVP. The writing of Engineering Definitions needs improvement. The wording can be clearer and more concise to improve understanding.	Few or none of the identified Engineering Definitions appear to be thorough and complete in defining the project. An MVP is not clearly identified or defined. The writing of Engineering Definitions needs significant improvement. The wording is unclear and/or not concise making it difficult to understand.		0.34	
						Total	1.00	

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Comment