

# UNC Charlotte Senior Design - Requirements Report Rubric

**Project:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Student(s):** \_\_\_\_\_

	<b>3 - Expert</b>	<b>2 – Practitioner</b>	<b>1 - Apprentice</b>	<b>0 - Novice</b>
<b>Visual Format and Organization</b>  Score: _____	<ul style="list-style-type: none"> <li>Group has used the suggested template.</li> <li>The document is visually appealing and easily navigated.</li> <li>Appropriate typography and usage of white space are used as appropriate to separate blocks of text and add emphasis.</li> </ul>	<ul style="list-style-type: none"> <li>Group has used the suggested template.</li> <li>The document is organized.</li> <li>Use of white space and typography help the reader navigate the document, although the layout could be more effective.</li> </ul>	<ul style="list-style-type: none"> <li>Group may or may not have used the suggested template.</li> <li>Errors in the Table of Contents are present.</li> <li>Within sections, the order in which ideas are presented is occasionally confusing.</li> </ul>	<ul style="list-style-type: none"> <li>Group has not used the suggested template.</li> <li>The document is not visually appealing and there are few “cues” to help the reader navigate the document.</li> <li>There is no apparent ordering of paragraphs.</li> </ul>
<b>Language (Word Choice, Grammar)</b>  Score: _____	<ul style="list-style-type: none"> <li>Sentences are complete and grammatical. They flow together easily.</li> <li>Words are chosen for their precise meaning.</li> <li>Engineering terms and jargon are used correctly.</li> <li>No misspelled words are present.</li> </ul>	<ul style="list-style-type: none"> <li>Mostly, sentences are complete and grammatical, and they flow together easily. Any errors are minor and do not distract the reader.</li> <li>Repetition of words and phrases is mostly avoided.</li> <li>Mostly, terms/jargon are used correctly with some attempt to define them.</li> <li>There are one or two misspelled words.</li> </ul>	<ul style="list-style-type: none"> <li>In a few places, errors in sentence structure and grammar distract the reader and interfere with meaning.</li> <li>Word choice could be improved.</li> <li>Occasionally, technical jargon is used without definition.</li> <li>There are a few misspelled words.</li> </ul>	<ul style="list-style-type: none"> <li>Errors in sentence structure and grammar frequently distract the reader and interfere with meaning.</li> <li>There is unnecessary repetition of the same words and phrases.</li> <li>There is an overuse of jargon and technical terms without definition.</li> <li>There are many misspelled words.</li> </ul>
<b>Capabilities</b>  Score: _____	<ul style="list-style-type: none"> <li>All items are assigned a unique identifier (i.e. CAP001).</li> <li>Items represent functionality of the end product, but are not necessarily bounds on the product.</li> <li>These are not requirements, constraints, or specifications.</li> </ul>	<ul style="list-style-type: none"> <li>Many, but not all items are assigned a unique identifier.</li> <li>Most items represent functionality of the end product, but are not necessarily bounds.</li> <li>A few capabilities appear to be constraints or specifications.</li> </ul>	<ul style="list-style-type: none"> <li>Few, if any, items are assigned a unique identifier.</li> <li>Listed capabilities do not fully describe the desired operation of the system.</li> <li>Many capabilities appear to be constraints or specifications.</li> </ul>	<ul style="list-style-type: none"> <li>No items are assigned a unique identifier.</li> <li>Listed capabilities do not describe the desired operation of the system.</li> </ul>
<b>Requirements</b>  Score: _____	<ul style="list-style-type: none"> <li>All items are assigned a unique identifier (i.e. FREQ001).</li> <li>Functional req.: Specify specific behaviors/ workings of the system: calculations, technical details, sizes, data use and processing.</li> <li>Non-functional req.: Specify specific behaviors of the system or criteria that can be used to judge the operation of system.</li> </ul>	<ul style="list-style-type: none"> <li>Many, but not all items are assigned a unique identifier.</li> <li>For the most part, functional requirements identify the workings of the system.</li> <li>For the most part, non-functional requirements identify specific behaviors of the system.</li> </ul>	<ul style="list-style-type: none"> <li>Few, if any, items are assigned a unique identifier.</li> <li>Specific bounds on the problem are not specified, or are poorly specified.</li> <li>If specific bounds are offered, many seem unrealistic.</li> </ul>	<ul style="list-style-type: none"> <li>No items are assigned a unique identifier.</li> <li>Listed requirements do not bound the desired workings of the system.</li> <li>If specific bounds are offered, most seem unrealistic.</li> </ul>
<b>Demo Test Plan</b>  Score: _____	<ul style="list-style-type: none"> <li>Plan describes the tests and test steps needed to demonstrate the capabilities of the device.</li> <li>Each test indicates which capability is being verified. All capabilities are verified by at least one test.</li> </ul>	<ul style="list-style-type: none"> <li>Plan describes the tests and test steps needed to demonstrate most of the capabilities of the device.</li> <li>Most capabilities are verified by at least one test.</li> </ul>	<ul style="list-style-type: none"> <li>Plan describes a few tests and test steps needed to demonstrate some of the capabilities of the device, but the plan is not thorough.</li> <li>Many capabilities are verified by at least one test.</li> </ul>	<ul style="list-style-type: none"> <li>Plan describes a very small number of tests and test steps needed to demonstrate a small part of the capabilities of the device.</li> <li>Tests poorly demonstrate capabilities of system.</li> </ul>
<b>Acceptance Test Plan</b>  Score: _____	<ul style="list-style-type: none"> <li>Plan describes complete test steps needed to verify that the requirements have been met.</li> <li>Each test verifies at least one specific requirement. All requirements are verified by one or more test.</li> <li>Plan consists of specific tests, each with detailed test steps, and each noting which requirement has been addressed.</li> </ul>	<ul style="list-style-type: none"> <li>Includes most tests needed to verify that the requirements have been met.</li> <li>Most requirements have been verified by at least one test.</li> <li>Most tests have detailed test steps, with each noting which requirement has been addressed.</li> </ul>	<ul style="list-style-type: none"> <li>Plan describes a few tests and test steps needed to demonstrate some of the requirements of the device, but the plan is not thorough.</li> <li>Many requirements are verified by at least one test.</li> </ul>	<ul style="list-style-type: none"> <li>Plan describes a very small number of tests and test steps needed to verify system requirements of the device.</li> <li>Tests poorly verify the system requirements.</li> </ul>
<b>Use of Subject Matter Experts and Sources</b>  Score: _____	<ul style="list-style-type: none"> <li>Prior work and sources of requirements are acknowledged by referring to people, assumptions, and background.</li> </ul>	<ul style="list-style-type: none"> <li>With an occasional oversight, prior work and sources of requirements are acknowledged by referring to people, assumptions, and background.</li> </ul>	<ul style="list-style-type: none"> <li>On several instances, sources of requirements are not stated when appropriate.</li> </ul>	<ul style="list-style-type: none"> <li>Little attempt is made to identify the source of requirements.</li> </ul>