

## SRS and Prototype Grading Metric, Rev2

**Group:**

**SRS (150 points)**

<b>SRS Contents (80 points)</b>		<b>80</b>
1. Introduction		10
	<ul style="list-style-type: none"> <li>Overview of SRS subsections</li> <li>Introduction of topics</li> </ul>	
1.1 Purpose	<ul style="list-style-type: none"> <li>Purpose of SRS</li> <li>Intended Audience</li> </ul>	
1.2 Scope	<ul style="list-style-type: none"> <li>SW products to be produced</li> <li>Benefits of SW</li> <li>Objectives of SW</li> <li>Application domain</li> <li>What SW will do</li> <li>What SW will not do</li> <li>Consistent with Customer Spec</li> </ul>	
1.3 Definitions, acronyms, and abbreviations	<ul style="list-style-type: none"> <li>All terms defined</li> </ul>	
1.4 Organization	<ul style="list-style-type: none"> <li>Describe the rest of the SRS</li> <li>Give organizational structure of SRS</li> </ul>	
2. Overall Description		10
	<ul style="list-style-type: none"> <li>Overview of this section</li> </ul>	
2.1 Product Perspective	<ul style="list-style-type: none"> <li>Context for the product</li> <li>Pictorial representation of bigger system</li> <li>Complete description of product specified</li> <li>Describe how product fits</li> <li>Constraints</li> </ul>	
2.2 Product Functions	<ul style="list-style-type: none"> <li>Major functions</li> <li>All functionality specified by customer</li> <li>Diagram high-level goals</li> </ul>	
2.3 User Characteristics	<ul style="list-style-type: none"> <li>User expectations</li> </ul>	
2.4 Constraints	<ul style="list-style-type: none"> <li>All constraints specified</li> <li>English descriptions safety critical properties</li> <li>English descriptions other properties</li> </ul>	
2.5 Assumptions and Dependencies	<ul style="list-style-type: none"> <li>All assumptions documented</li> <li>All dependencies documented</li> </ul>	
2.6 Apportioning of Requirements	<ul style="list-style-type: none"> <li>Requirements outside scope of project</li> </ul>	

3. Specific requirements	20
<ul style="list-style-type: none"> <li>Requirements logically ordered</li> <li>Hierarchy when appropriate</li> <li>Hierarchy easy to understand</li> <li>No conflicting requirements</li> <li>No ambiguous or implicit requirements</li> <li>Testable requirements</li> <li>Clearly, concisely, and unambiguously stated requirements</li> <li>No unnecessary design or implementation detail</li> </ul>	
4. Modeling Requirements	20
<ul style="list-style-type: none"> <li>Use case diagrams <ul style="list-style-type: none"> <li>Every goal should be addressed</li> <li>Each goal is satisfied by one or more use cases</li> <li>Each use case refers to one or more requirements</li> </ul> </li> <li>Class Diagram <ul style="list-style-type: none"> <li>Representative scenarios of system</li> <li>English description</li> <li>Use instances of class names from class diagram</li> </ul> </li> <li>Sequence diagram <ul style="list-style-type: none"> <li>Objects are instances of classes in class diagram</li> </ul> </li> <li>State diagram for key classes that participate in scenarios <ul style="list-style-type: none"> <li>Scenarios validated state diagram</li> <li>All events, actions modeled in class diagram</li> <li>Variables are attributes in class diagram</li> </ul> </li> </ul>	
5. Prototype	15
<ul style="list-style-type: none"> <li>Describe what prototype shows of system functionality</li> <li>5.1 How to Run Prototype <ul style="list-style-type: none"> <li>Describe what is needed</li> <li>System configuration</li> <li>URL</li> </ul> </li> <li>5.2 Sample Scenarios <ul style="list-style-type: none"> <li>Provide a sample scenario with real data</li> <li>Screen shots</li> <li>Screen shots explained</li> </ul> </li> </ul>	
6. References	5
<ul style="list-style-type: none"> <li>List of all documents referenced</li> <li>Sources where references can be obtained</li> <li>Link to website</li> </ul>	
<b>SRS Writing (20 points):</b>	<b>20</b>
Paragraph Structure	10
<ul style="list-style-type: none"> <li>thesis sentence</li> <li>body supports thesis sentence</li> </ul>	
Grammar errors	5
Terms / acronyms used before definition	2.5
Terms and concepts used consistently	2.5
<b>Corrections: Inspections (20 pts); Customer (10 pts); Instructor (20 pts)</b>	<b>50</b>
<b>SRS Total:</b>	

<b>Prototype</b>	<b>100</b>
Accessible via web application	20
Demonstrate at least 5 scenarios of usage	50
For each scenario: Support user input Graphical depiction of system response	
Scenarios are representative of key requirements	30
<b>Prototype Total:</b>	