

SRS and Prototype Grading Metric, Rev1

Project:

Date submitted:

SRS (100 points)

SRS Contents (80 points)

80

1. Introduction 10

- Overview of SRS subsections
- Introduction of topics
- 1.1 Purpose
 - Purpose of SRS
 - Intended Audience
- 1.2 Scope
 - SW products to be produced
 - Benefits of SW
 - Objectives of SW
 - Application domain
 - What SW will do
 - What SW will not do
 - Consistent with Customer Spec
- 1.3 Definitions, acronyms, and abbreviations
 - All terms defined
- 1.4 Organization
 - Describe the rest of the SRS
 - Give organizational structure of SRS

2. Overall Description 10

- Overview of this section
- 2.1 Product Perspective
 - Context for the product
 - Pictorial representation of bigger system
 - Complete description of product specified
 - Describe how product fits
 - Constraints
- 2.2 Product Functions
 - Major functions
 - All functionality specified by customer
 - Diagram high-level goals
- 2.3 User Characteristics
 - User expectations
- 2.4 Constraints
 - All constraints specified
 - English descriptions safety critical properties
 - English descriptions other properties
- 2.5 Assumptions and Dependencies
 - All assumptions documented
 - All dependencies documented
- 2.6 Apportioning of Requirements
 - Requirements outside scope of project

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