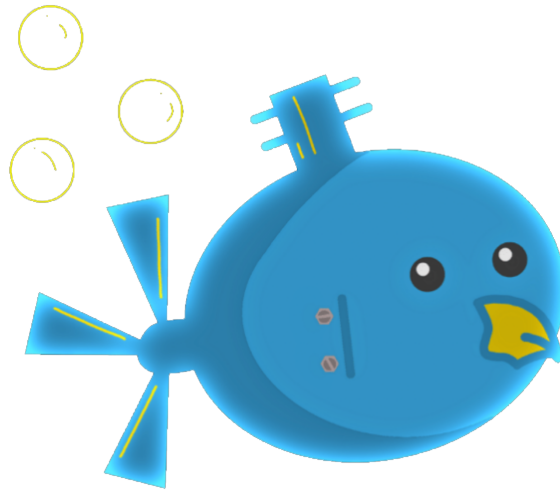


CALIFORNIA STATE UNIVERSITY, LOS ANGELES

Software Requirements Document



ROBOSUB

Members

Thomas BENSON, David CAMACHO, Bailey CANHAM, Brandon CAO,
Roberto HERNANDEZ, Andrew HEUSSER, Hector MORA-SILVA,
Bart RANDO, Victor SOLIS

March 1, 2023

Contents

1	Table of Contents	4
2	Revision History	4
3	Introduction	4
3.1	Purpose	4
3.2	Intended Audience and Reading Suggestions	4
3.3	Product Scope	4
3.4	Definitions, Acronyms, and Abbreviations	4
3.5	References	4
4	Overall Description	4
4.1	System Analysis	4
4.2	Product Perspective	4
4.3	Product Functions	4
4.4	User Classes and Characteristics	4
4.5	Operating Environment	4
4.6	Design and Implementation Constraints	4
4.7	User Documentation	4
4.8	Assumptions and Dependencies	4
4.9	Apportionment of Requirements	4
5	External Interface Requirements	4
5.1	User Interfaces	4
5.2	Hardware Interfaces	4
5.3	Software Interfaces	4
5.4	Communications Interfaces	4
6	Requirements Specification	4
6.1	Functional Requirements	4
6.2	External Interface Requirements	4
6.3	Logical Data Requirements	4
6.4	Design Constraints	4
7	Other Non-Functional Requirements	4
7.1	Performance Requirements	4
7.2	Safety Requirements	4
7.3	Security Requirements	4
7.4	Software Quality Attributes	4
7.5	Business Rules	4
8	Appendices	4
8.1	Appendix A: Glossary	4
8.2	Appendix B: Analysis Models	4
8.3	Appendix C: To Be Determined	4

Revision History

1	Table of Contents	
2	Revision History	
3	Introduction	
3.1	Purpose	
3.2	Intended Audience and Reading Suggestions	
3.3	Product Scope	
3.4	Definitions, Acronyms, and Abbreviations	
3.5	References	
4	Overall Description	
4.1	System Analysis	
4.2	Product Perspective	
4.3	Product Functions	
4.4	User Classes and Characteristics	
4.5	Operating Environment	
4.6	Design and Implementation Constraints	
4.7	User Documentation	
4.8	Assumptions and Dependencies	
4.9	Apportionment of Requirements	
5	External Interface Requirements	
5.1	User Interfaces	
5.2	Hardware Interfaces	
5.3	Software Interfaces	
5.4	Communications Interfaces	
6	Requirements Specification	
6.1	Functional Requirements	
6.2	External Interface Requirements	
6.3	Logical Data Requirements	
6.4	Design Constraints	
7	Other Non-Functional Requirements	
7.1	Performance Requirements	
7.2	Safety Requirements	
7.3	Security Requirements	4
7.4	Software Quality Attributes	
7.5	Business Rules	