Stone Identification App Software Requirements Specification

Genevieve Okon (Okong), Sydney Lieng(), Niko Savas(), Nick Lago(lagond), Eric Le Fort(leforte)

February 1, 2016

Contents

1	Rev	evision History					
2	Intr 2.1 2.2 2.3 2.4 2.5	Purpose	3 3 3 3 3				
3	Ove 3.1 3.2 3.3 3.4 3.5 3.6	Product Perspective Product Functions User Characteristics Constraints Assumptions & Dependencies Apportioning of Requirements	3 3 3 3 3				
4	Fun	ctional Requirements	3				
5	Non 5.1 5.2 5.3	Look & Feel Requirements 5.1.1 Appearance Requirements 5.1.2 Style Requirements Usability & Humanity Requirements 5.2.1 Ease of Use Requirements 5.2.2 Personalization & Internalization Requirements 5.2.3 Learning Requirements 5.2.4 Understandability & Politeness Requirements 5.2.5 Accessibility Requirements 5.2.5 Accessibility Requirements 5.3.1 Speed & Latency Requirements 5.3.2 Safety Critical Requirements 5.3.3 Precision & Accuracy Requirements 5.3.4 Reliability and Availability Requirements 5.3.5 Robustness or Fault-Tolerance Requirements 5.3.6 Capacity Requirements 5.3.7 Scalability or Extensibility Requirements 5.3.8 Longevity Requirements	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3				
	5.4	Operational & Environmental Requirements	3 3 3 3				
	5.5	Maintainability & Support Requirements	3 3 3				
	5.6	Security Requirements 5.6.1 Access Requirements 5.6.2 Integrity Requirements 5.6.3 Privacy Requirements 5.6.4 Audit Requirements 5.6.5 Immunity Requirements	3 3 3 3				

5.7	Cultural & Political Requirements	3
	5.7.1 Cultural Requirements	3
	5.7.2 Political Requirements	3
5.8	Legal Requirements	3
	5.8.1 Compliance Requirements	3
	5.8.2 Standards Requirements	3
${f List}$	of Figures	
\mathbf{List}	of Tables	
1	Revision History	2

1 Revision History

Revision	Revision Date	Description of Change	Author
1	$\int \text{Jan } 27^{th}$	Initialized File	Eric Le Fort

Table 1: Revision History

2 Introduction

- 2.1 Purpose
- 2.2 Scope
- 2.3 Definitions, Acronyms & Abbreviations
- 2.4 References
- 2.5 Overview

3 Overall Description

- 3.1 Product Perspective
- 3.2 Product Functions
- 3.3 User Characteristics
- 3.4 Constraints
- 3.5 Assumptions & Dependencies
- 3.6 Apportioning of Requirements

4 Functional Requirements

5 Non-Functional Requirements

- 5.1 Look & Feel Requirements
- 5.1.1 Appearance Requirements
- 5.1.2 Style Requirements
- 5.2 Usability & Humanity Requirements
- 5.2.1 Ease of Use Requirements
- 5.2.2 Personalization & Internalization Requirements
- 5.2.3 Learning Requirements
- 5.2.4 Understandability & Politeness Requirements
- 5.2.5 Accessibility Requirements
- 5.3 Performance Requirements
- 5.3.1 Speed & Latency Requirements
- 5.3.2 Safety Critical Requirements
- 5.3.3 Precision & Accuracy Requirements
- 5.3.4 Reliability and Availability Requirements
- 5.3.5 Robustness or Fault-Tolerance Requirements
- 5.3.6 Capacity Requirements
- 5.3.7 Scalability or Extensibility Requirements
- 5.3.8 Longevity Requirements
- 5.4 Operational & Environmental Requirements
- 5.4.1 Expected Physical Environment
- 5.4.2 Requirements for Interfacing with Adjacent Systems