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Cos301 : Software Requirements Specification for the NavUP System

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February 21, 2017

Contents

1	Introduction	1
1.1	Purpose	1
1.2	Scope	1
1.3	Definition, Acronyms, and Abbreviations	1
1.4	References	1
1.5	Overview	1
2	Overall Description	1
2.1	Product Perspective	1
2.1.1	System Interfaces	1
2.1.2	User Interfaces	1
2.1.3	Hardware Interfaces	1
2.1.4	Software Interfaces	1
2.1.5	Communications Interfaces	2
2.1.6	Memory	2
2.1.7	Operations	2
2.1.8	Site Application Requirements	2
2.2	Product Functions	2
2.3	User Characteristics	2
2.4	Constraints	3
2.5	Assumptions and Dependencies	3
3	Specific Requirements	3
3.1	External Interface Requirements	3
3.2	Functional Requirements	3
3.3	Performance Requirements	3
3.4	Design Constraints	3
3.5	Software System attributes	3
3.6	Other Requirements	3

1 Introduction

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1.1 Purpose

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1.5 Overview

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2 Overall Description

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2.1 Product Perspective

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2.1.1 System Interfaces

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2.1.5 Communications Interfaces

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2.1.6 Memory

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2.1.7 Operations

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2.1.8 Site Application Requirements

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2.2 Product Functions

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2.3 User Characteristics

NavUP should have three user groups: A student or staff member, a administrator, and a guest user.

Students and staff members

- Students and staff members are registered, and have student numbers.
- Students are likely to be young (Below the age of 30)
- Students and staff members are likely to have a high level of education.
- Students and staff members should have a relatively high level of technical experience, and therefore be able to use and navigate a relatively complex app.

Guest Users

- Guests are unregistered.
- The technical level and education of a guest is unknown. It might be difficult for them to navigate a complicated interface.

Administrators

- Administrators should have a high level of technical expertise.
- Administrators likely have some form of identification, such as a student number.

2.4 Constraints

- **Cost** - We do not have the funds to pay for expensive libraries and tools.
- **Time** - Most of us are third year and honours students, and so we do not have much time to work on the project. Additionally, we only have one semester to do this.
- **Skills** - Our skills are varied, but mostly undeveloped, which limits the technical complexity of our solution.
- **Scope** - Our scope is defined as a navigation system for the University of Pretoria, and so our solution should be limited as such.

2.5 Assumptions and Dependencies

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3 Specific Requirements

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3.1 External Interface Requirements

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3.2 Functional Requirements

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3.3 Performance Requirements

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3.4 Design Constraints

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3.5 Software System attributes

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3.6 Other Requirements

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