

COS730 PROJECT REQUIREMENTS SPECIFICATION

Group 1

Version 1
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1 History

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5 April	Version 0.1	Document Created	Henko
5 April	Version 0.2	Document layout added	Henko
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Contents

1	History	1
2	Group members	1
3	Introduction	4
3.1	Purpose	4
3.2	Scope	4
3.3	Definitions, acronyms and abbreviations	4
3.4	Document Conventions	4
3.5	References	4
3.6	Overview	5
4	General description	6
4.1	Product perspective	6
4.2	Product functions	6
4.3	User characteristics	6
4.4	Constraints	6
4.5	Assumptions and dependencies	6
5	Specific requirements	7
5.1	External Interface Requirements	8
5.1.1	User interfaces	8
5.1.2	Hardware interfaces	8

5.1.3	Software interfaces	8
5.1.4	Communications interfaces	8
5.2	System Features	9
5.2.1	Create message : FRQ1 (Source: Bernard Wagner, Priority: High)	9
5.2.2	Encrypt message : FRQ2 (Source: Bernard Wagner, Priority: High)	9
5.2.3	AppSomething : FRQ3 (Source: Bernard Wagner, Priority: High)	9
5.3	Performance Requirements	10
5.4	Design constraints	10
5.5	Software system attributes	10
5.6	Other requirements	10
6	System Description	11

3 Introduction

3.1 Purpose

Reliable communication in certain parts of South Africa is not always possible in remote locations using GSM, 3G or other similar mediums.

Therefore, communication normally occur using SMS - which generally is not very secure. This can cause a loss in confidentiality, availability and integrity to the communicators.

3.2 Scope

The goal of this project is to create a mobile application which can be used on more than one platform(i.e. IOS and Android) and will be able to encrypt messages which can then be decrypted on the receiving end.

The benefit of this application is that you are able to communicate securely, knowing that you are reducing the risk of the confidential information being obtained by an unauthorised party.

3.3 Definitions, acronyms and abbreviations

- Encrypt - The act of
- Decrypt - alsas

3.4 Document Conventions

- Documentation formulation: LaTeX
- Naming convention: Crows Foot Notation

3.5 References

- Kyle Riley - MWR Info Security

- Bernard Wagner - MWR Info Security

3.6 Overview

4 General description

4.1 Product perspective

4.2 Product functions

4.3 User characteristics

4.4 Constraints

4.5 Assumptions and dependencies

5 Specific requirements

5.1 External Interface Requirements

5.1.1 User interfaces

5.1.2 Hardware interfaces

5.1.3 Software interfaces

5.1.4 Communications interfaces

5.2 System Features

5.2.1 Create message : FRQ1

(Source: Bernard Wagner, Priority: High)

- A message must be creatable in the application.
- The message must be editable.

5.2.2 Encrypt message : FRQ2

(Source: Bernard Wagner, Priority: High)

- After that the message must be encrypted using a suitable encryption method.
- The user must be able to select and copy the message to the clipboard in order to be sent using the method the user wants to.

5.2.3 AppSomething : FRQ3

(Source: Bernard Wagner, Priority: High)

- The application must use a password to log on in order to ensure confidentiality.

5.3 Performance Requirements

5.4 Design constraints

5.5 Software system attributes

5.6 Other requirements

6 System Description

Use Cases

Use case 1

Use case 2

Flow diagram

Flow 1

Flow 2