Software Requirements Specification

for

Dashboard System,

Release 1.0

Version 1.0 approved

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Table of Contents

Table of Contents .................................................................................................................. i
Revision History .................................................................................................................. i
1. Introduction ..................................................................................................................... 1
   1.1 Purpose ..................................................................................................................... 1
   1.2 Project Scope .......................................................................................................... 1
   1.3 References ............................................................................................................. 1
2. Overall Description ......................................................................................................... 1
   2.1 Product Perspective ............................................................................................... 2
   2.2 Product Feature .................................................................................................... 2
   2.3 User Classes and Characteristics ........................................................................ 2
   2.4 Operating Environment ....................................................................................... 2
   2.5 Design and Implementation Constraints ............................................................ 2
   2.6 User Documentation .............................................................................................. 3
   2.7 Assumptions and Dependencies .......................................................................... 3
3. System Features .............................................................................................................. 3
   3.1 Fast ......................................................................................................................... 3
   3.2 Comparable, easy to use and up to date ............................................................... 4
4. External Interface Requirements .................................................................................... 4
   4.1 User Interfaces ....................................................................................................... 4
   4.2 Hardware Interfaces .............................................................................................. 4
   4.3 Software Interfaces ............................................................................................... 5
   4.4 Communications Interfaces ................................................................................. 5
5. Other Nonfunctional Requirements ................................................................................. 5
   5.1 Performance Requirements .................................................................................. 5
   5.2 Safety Requirements ............................................................................................. 5
   5.3 Security Requirements .......................................................................................... 5
   5.4 Software Quality Attributes ................................................................................ 5
Appendix A: Glossary ............................................................................................................ 6
Appendix B: Analysis Models ............................................................................................... 7

Revision History

<table>
<thead>
<tr>
<th>Name</th>
<th>Date</th>
<th>Reason For Changes</th>
<th>Version</th>
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<tbody>
<tr>
<td>CE_ONAM</td>
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1. Introduction

1.1 Purpose
This SRS describes the software functional and nonfunctional requirements for release 1.0 of the dashboard project. This document is intended to be used by the members of the project team that will implement and verify the correct functioning of the system. Unless otherwise noted, all requirements specified here is high priority and committed for release 1.0.

1.2 Project Scope
The system of dashboard is a system that will allow users to review all types of mobile phones in shops in the Gaza Strip in addition to its characteristics and prices using web service, making it easier for them trouble in the shops.

1.3 References

2. Overall Description

2.1 Product Perspective
The dashboard system is a new system to replace the traditional methods to review mobiles and know the latest models and prices of it, so we expect the spread of this system because it works on user comfort, in addition to that we expect the development of this system later to allow a new service to buy mobile phone from which using internet. UML diagram for release 1.0. will be deliver later.

2.2 Product Features
The most important feature of this system is the view way, which is an attractive and fast to find any data about any mobile. Moreover, the ease of using this system is another advantage.

2.3 User Classes and Characteristics
Mobile
Most of the work that will be in this class, which will contain the names of mobile phones and their pictures, prices and features, so the user will know any data of any mobile wish to buy through this class. In addition, the user can compare between several mobile phones in terms of its price, for example, Also, there will be the search feature, which will be useful and comfortable for the user, and from this class the user can review several mobile phones for their
participation in particular property, such as a camera or the presence of the external memory and thus the user can specify his desire to mobile phone.

**Shop**
This class will contain the names of all shops that sell mobile phones participating in this system by dealing and associating with the database. The user will identify his desire in the shop who wants to review its mobile phones first, so this class will have a great importance in the order of the shops in it and taking into account all its properties.

**Map**
This class will be in the presence of the map, that the user can through it to identify the shop who wants to know what it has, in all parts of the Gaza Strip, so this is an important advantage of the features of this system that are working on the user's convenience.
Finally, if we will add another class in this system, we will update this software requirement specification document.

### 2.4 Operating Environment

**OE-1**: Dashboard System shall operate with the following Web browsers: Microsoft Internet Explorer versions 7.0 and 8.0, Flash Player 9.

**OE-2**: Dashboard System shall operate on a server running the current corporate approved versions of Red Hat Linux and Apache WebServer.

**OE-3**: Dashboard System shall permit user access from an Internet connection at the user’s home having an operating system.

### 2.5 Design and Implementation Constraints

**CO-1**: The system’s design, code, and other documentations will be delivered at a later time, according to what is specified in the project.

**CO-2**: We will use in this system SQL database engine.

**CO-3**: All Xml code and action scripts will conform to that uses by Adobe Flex 3.

### 2.6 User Documentation

**UD-1**: The system will provide an online cross-linked help in a page that describes and illustrates all system functions.

**UD-2**: When we finish making this system, we will deliver a formal report that describes all aspects of the project and explain it, this report can be use as a data sheet of the system.
2.7 Assumptions and Dependencies

AS-1: The use of this system will be a lot from those interested in models of mobiles as help manner for them to know everything about mobiles.

DE-1: The success of this system depends on the existence of an internet service to all people in Gaza Strip.

DE-2: Also, the success of this system depends on the agreement of mobile shops to join with the database as a marketing way for them.

3. System Feature

3.1 Fast

3.1.1 Description

The most important feature of this system is the fast, since the user, sitting on the computer at home can know everything about mobiles without having to go to the mobile shops or even calling any shop.

3.1.2 Stimulus/Response Sequences

Stimulus: The user select the shop who desire on the map.
Response: System response would be to view all kinds of mobile phones contained in this shop.
Stimulus: The user enter the map another time to change the shop.
Response: The map will be appear again to select another shop.
Stimulus: The user can enter the name of the shop in specific place “search”.
Response: System response would be to view all kinds of mobile phones contained in this shop if the name is not wrong.

3.1.3 Functional Requirements

View: The system will provide a good view of mobile phones, which helps the user to find his goal quickly.

Map: The user can use the map in the system easily in order to identify the shop who wants to review its mobiles and knowledge the advantages of it.

Search: This system also provides a search feature for the user if he does not want to look at the contents of the system of the information about mobile phones found in it.
Up To Date: This system will contain the latest versions of mobile phones in the shops and will follow all developments of it.

3.2 Comparable, easy to use and up to date

4. External Interface Requirements

4.1 User Interfaces

UI-1: Main Interface
UI-1.1: To allow the user to read all information about any mobile he select.
UI-1.2: To search for any mobile by entering its name.
UI-1.3: To review the common mobiles that similar in some characteristic specified by the user.
UI-1.4: To interest with some feature found in this interface.

UI-2: Map Interface
This system will communicate with the mobile shops through a programmatic interface for the following operations:
UI-2.1: To allow the user to enter any shop he wants and reviews its mobiles.
UI-2.2: To allow the user to cancel the map interface and return to main interface.
UI-2.3: To allow the user to check if a new shops joined with this system or not.
UI-2.4: To provide zoom in and zoom out of the map.
UI-2.5: To select the shop by the user using mouse or entering its name in specific place using keyboard.

4.2 Hardware Interfaces
No hardware interfaces have been identified.

4.3 Software Interfaces

SI-1: Database Interface
SI-1.1: To add any shop which want to join with the database.
SI-1.2: To add, modify, and delete any information about any mobile phone.
SI-1.3: To make backup of this database and check the setting of it.
SI-2: Program Interface
SI-2.1: To maintain the system if there is an error happen by modifying the code.
SI-2.2: To update or add any component of this system.

4.4 Communications Interfaces
No Communications interfaces have been identified.

5. Other Nonfunctional Requirements

5.1 Performance Requirements

PE-1: The system shall accommodate high number of users without any fault.
PE-2: Responses to view mobiles shall take no longer than 2 seconds to go to the screen after the user select the shop on the map.
PE-3: The system shall display the information of any product by nice and fast way, and let the user to return to the main interface easily.

5.2 Safety Requirements
No safety requirements have been identified.

5.3 Security Requirements

SE-1: The database of this system will be secured to have right information about mobiles.
SE-2: Users just can read the information about any product, they cannot edit or modify anything of this system.
SE-3: The system shall permit only the design team “ONAM“ to add, modify or delete any part of the code of the system.

5.4 Software Quality Attributes

Availability: This System will be up to date and offer all the facilities to the users.
Flexibility: This System will be easy to learn and easy to use, also will be provide help page for all new users.
Robustness: There will not be any wrong of the information of any mobile, also the database will be backup every day.
## Appendix A: Glossary

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Description</th>
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<tbody>
<tr>
<td>SRS</td>
<td>Software Requirements Specification.</td>
</tr>
<tr>
<td>UML</td>
<td>Unified Modeling Language.</td>
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<tr>
<td>SQL</td>
<td>Structured Query Language.</td>
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<tr>
<td>CE_ONAM</td>
<td>Computer Engineers _ Osama Nour Ahmed Mahmoud.</td>
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Appendix B: Analysis Models