
Bucur Diana
30433

Health System Application
Supplementary Specification

Version 1.0

<Project Name>	Version: 1.0
Supplementary Specification	Date: 19/03/2018
<document identifier>	

Revision History

Date	Version	Description	Author
19/03/2018	1.0	Setting the non-functional requirements and some design constraints.	Bucur Diana

<Project Name>	Version: 1.0
Supplementary Specification	Date: 19/03/2018
<document identifier>	

Table of Contents

1.	Introduction	4
2.	Non-functional Requirements	4
2.1	Availability	4
2.2	Performance	4
2.3	Security	4
2.4	Testability	4
2.5	Usability	4
3.	Design Constraints	4

<Project Name>	Version: 1.0
Supplementary Specification	Date: 19/03/2018
<document identifier>	

Supplementary Specification

1. Introduction

The Supplementary Specification captures the system requirements that are not readily captured in the use cases of the use-case model. Such requirements include:

- legal and regulatory requirements, including application standards.
- quality attributes of the system to be built, including usability, reliability, performance, and supportability requirements.
- other requirements such as operating systems and environments, compatibility requirements, and design constraints.

2. Non-functional Requirements

2.1 Availability

The system is available anytime for the users and it can be used 24 hours a day, 365 days a year. The system shall be operational 24 hours a day and 7 days a week.

2.2 Performance

The information is refreshed at regular intervals depending upon whether some updates have occurred or not. The system shall respond to the member in not less than two seconds from the time of the request submittal. The system shall be allowed to take more time when doing large processing jobs.

Responses to view information shall take no longer than a couple of seconds to appear on the screen.

2.3 Security

Depending upon the category of user the access rights are decided. It means if the user is an administrator then he can be able to modify the data, delete etc. All other users other than nurses only have the rights to retrieve some of the information from the database.

2.4 Testability

After the development phase of the project, there will be made all kinds of particular tests in order to verify all the functionalities of the application.

2.5 Usability

The system uses a web browser as an interface. The system is user friendly and online help makes using the system easy, so no special training is required.

3. Design Constraints

3.1 Software Constraints

The development of the system will be constrained by the availability of required software such as database and development tools. The Quality of the database is maintained in such a way so that it can be very user friendly to all the users of the database. The database will be MySQL and to develop the system we will use Java language for GUI.

3.2 Hardware Constraints

The system requires a database in order to store persistent data. In some environments, RAM utilization and secondary storage (or lack of it) are very real restrictions.

<Project Name>	Version: 1.0
Supplementary Specification	Date: 19/03/2018
<document identifier>	

3.3 Architectural and design constraints

The system will be designed as a client-server architectural pattern. The connection to the database will be created by the Singleton Pattern.