<Diagnostic Centre Client Coordination System>

Version <1.0>

Revision History

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# 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:

Quality attributes of the system to be built, including availability, performance, security, testability, and usability.

# Other requirements such as operating systems and environments, compatibility requirements, and design constraints.

# Non-functional Requirements

## Availability

* Quality attribute definition: when the system can be used
* Source of stimulus: human
* Stimulus: a click of the mouse on the user interface
* Environment: web
* Artifact: the whole system
* Response: the system is available
* Response measure: 24 hours a day, 365 days a year

## Performance

* Quality attribute definition: how fast the system response
* Source of stimulus: human
* Stimulus: a click of the mouse on the user interface
* Environment: web
* Artifact: the whole system
* Response: the system gives a response in a reasonable time
* Response measure: 1 sec

## Security

* Quality attribute definition: you need to log in to use the system with a username and a password
* Source of stimulus: human
* Stimulus: username and password
* Environment: web
* Artifact: the whole system
* Response: the system let’s you log in or not

## Testability

* Quality attribute definition: if the system can be tested or not
* Source of stimulus: human
* Stimulus: a click of the mouse on the user interface
* Environment: web
* Artifact: the whole system
* Response: the system works accordingly
* Response measure: no fails or errors

## Usability

* Quality attribute definition: how user-friendly is the system
* Source of stimulus: human
* Stimulus: a click of the mouse on the user interface
* Environment: web
* Artifact: the whole system
* Response: the system response is the same as expected
* Response measure: no fails or errors

# Design Constraints

The system is written in Java using the Eclipse IDE. It has a Client-Server architecture. As much as the operating system is involved, the site can be reached from any operating system- it will be tested on Windows and Ubuntu.