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30433

<Diagnostic Centre Client Coordination System>
Supplementary Specification

Version <1.0>

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Revision History

Date	Version	Description	Author
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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:

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.

2. Non-functional Requirements

2.1 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

2.2 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

2.3 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

2.4 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

2.5 Usability

- Quality attribute definition: how user-friendly is the system
- Source of stimulus: human

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- 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

3. 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.