Black Dog

Supplementary Specification

Version <1.0>

Revision History

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| --- | --- | --- | --- |
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| <06/03/20> | <1.0> | First look at Supplementary Spec. document. | Victor Pădurean |
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Supplementary Specification

# Introduction

[The introduction of the **Supplementary Specification** provides an overview of the entire document.

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.]

The Supplementary Specification attributes for this application mainly refer to design related problems.

# Non-functional Requirements

*[Define system quality attributes in terms of scenarios according to the following template:*

* *Quality attribute definition*
* *Source of stimulus: the entity (human or another system) that generated the stimulus or event*
* *Stimulus: a condition that determines a reaction of the system*
* *Environment: the current condition of the system when the stimulus arrives*
* *Artifact: is a component that reacts to the stimulus. It may be the whole system or some pieces of it*
* *Response: the activity determined by the arrival of the stimulus*
* *Response measure: the quantifiable indication of the response*
* *Tactics*

*]*

## Availability

None

## Performance

The application should run fast enough so that a regular user may not perceive significant waiting times.

## Security

None.

## Testability

All the units should be tested and testable.

## Usability

User friendly enough such that regular users may use it.

# Design Constraints

[This section needs to indicate any design constraints on the system being built. Design constraints represent design decisions that have been mandated and must be adhered to. Examples include software languages, software process requirements, prescribed use of developmental tools, architectural and design constraints, purchased components, class libraries, and so on.]

The project must be developed using Java or C#.

The application should follow a Model-View-Controller architectural pattern. It must include a document generation feature, making use of the Factory Design pattern.

The project should have a Client-Server architectural style. For integrating a live notification feature, the Observer design pattern should be used.

The application should not violate any good practices detected as detected by PMD.