Blood Bank

Version 1.1

Revision History

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| **Date** | **Version** | **Description** | **Author** |
| 21/03/2018 | 1.0 | Supplementary specifications for the first version of the system | Dănilă Vlad-Mihai |
| 14/05/2018 | 1.1 | Updated design constraints | Dănilă Vlad-Mihai |
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# Introduction

The document aims to present the requirements of the Blood Bank system. This Supplementary Specification lists the requirements that are not contained in the use cases of the use-case model. The Supplementary Specifications together with the use-case model compose a complete set of requirements on the system.

The Blood Bank System will enable users to register and share medical data and medical requirements. BBS allows donors to be registered in a database according to their blood group and facilitate fast interaction between a patient needing blood transfusion and a donor.

This specification defines the non-functional requirements of the system, such as usability, availability, performance and security.

# Non-functional Requirements

## Availability

The BBS will maintain a constant reliability by being available 24 hours a day, 7 days a week, due to the importance of data and the damages incorrect or incomplete data can do. There shall be a significantly low percentage of downtime due to eventually new features, not exceeding 1% of the time.

## Performance

The system shall have no more than 3 seconds delay while directly accessing the database and no more than 1 second delay when an action response is expected.

## Security

The system shall impose users to be logged in order to perform the available operation and access its features.

## Usability

The user interface shall be design for ease-of-use and appropriate for users with no additional training on the system. The user interface shall be Windows compliant.

# Design Constraints

The system must be implemented in a Java IDE and must be operable on Windows devices only.