Android Blood Bank

Version 1.0

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 |
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# Introduction

The document aims to present the requirements of the Android Blood Based 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 Android Blood Bank System will enable users to register and share medical data and medical requirements. ABBS allows donors to be registered in a database according to their blood group and facilitate fast communication between a patient needing blood transfusion and a donor.

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

# Non-functional Requirements

## Availability

The ABBS 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 down time due to eventually new features, not exceeding 1% of the time.

## Performance

The system shall have no more than 5 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 Android compliant.

# Design Constraints

The system must be implemented in Android Studio and must be operable on Android devices only.