
Technical University of Cluj-Napoca

**InfoTraffic Application
Supplementary Specification**

Version <1.0>

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Revision History

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1. Introduction

The Supplementary Specification describes the requirements which the application has to fulfill, which are not described in the use-case model. These requirements can be:

- The Non-Functional requirements of the application, regarding Availability, Performance, Security, Testability and Usability requirements.
- The operating system(s) on which the application runs, its compatibility requirements and design constraints.

2. Non-functional Requirements

2.1 Availability

The application should be available 24 hours of 24, since it is an online service.

2.2 Performance

The system should have a very low impact on the device's performance, and the submitted data should be shown to other users as soon as possible.

2.3 Security

Each user should have its own account based on a username and secured by a hashed password.

2.4 Testability

The application should have be well designed, having a clear structure and having its components rely on each other as little as possible, thus creating a more testable system.

2.5 Usability

The application will be a mobile application, more specifically for Android. The users submissions being sent through the internet to the central database, from where the other users will be able to receive this data and see it.

3. Design Constraints

a) OS

The application is designed to be run on devices running Android.

b) Programming language

The application is planned to be written in Java 8, thus having access to the latest features.

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c) Hardware Requirements

The application should run on most devices running Android OS, though the older models might have some issue with it.