VILNIAUS UNIVERSITETAS

MATEMATIKOS IR INFORMATIKOS FAKULTETAS

Requirements modeling

Reikalavimų modeliavimas
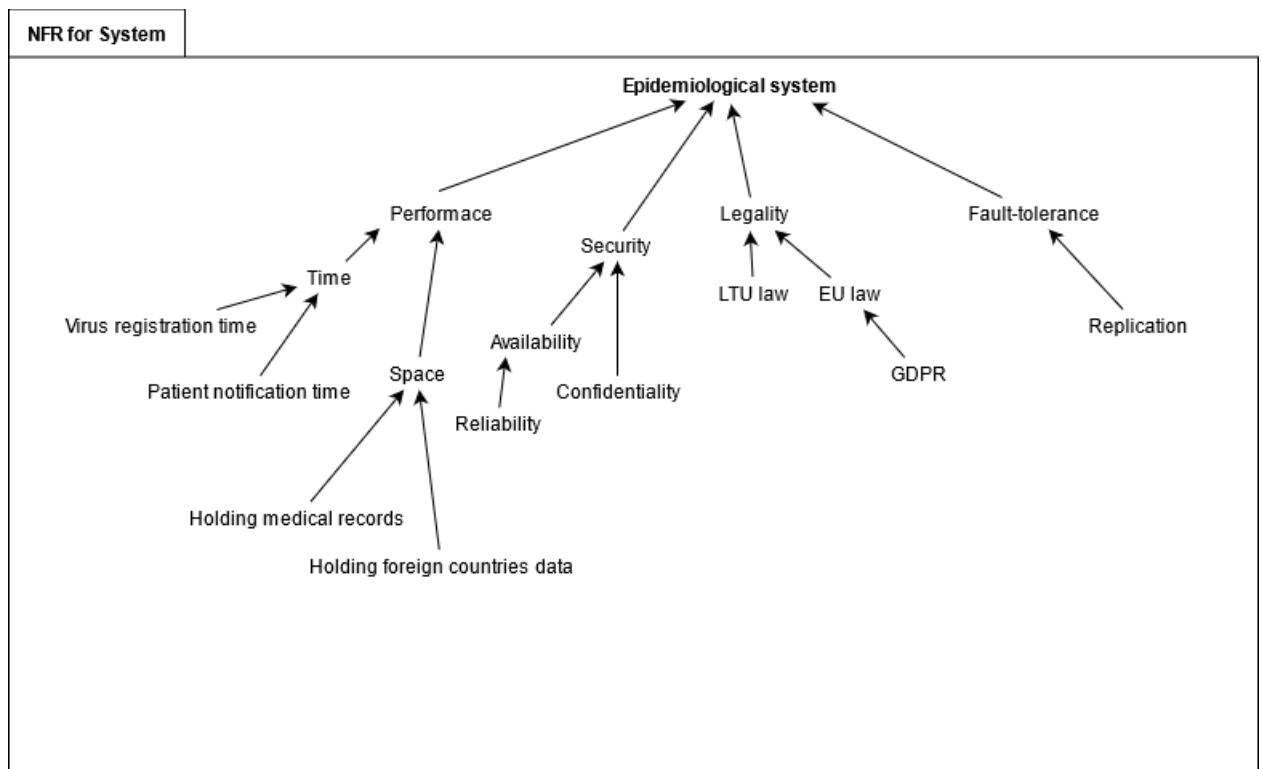
Programų sistemų inžinerijos modeliai ir metodai laboratorinis darbas 2

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CONTENTS

1. NFR type catalogue

pav 1. NFR diagram

- **Virus registration time** - to ensure quick response time system must provide quick process of registering new cases.

- **Patient notification time** - it is important to prevent spread of virus by hastily notifying and isolating contagious patients.

- **Holding medical records** - to ensure that the spread of the epidemic is contained and monitored, all necessary medical records related to the epidemic must be accessed via the system.

- **Holding foreign countries data** - to check which countries are infected and are spreading the virus, the epidemiological system has to keep up-to-date epidemiological information about them.

- **Reliability** - Tracking the state of the epidemic must be ensured 24/7 to not miss any crucial data or trends.

- **Confidentiality** - epidemiological system must treat sensitive person information (e.g. received medical records) with respect to ensure systems credibility.

- **Legality** - due to the fact the the epidemiological system will deal with sensitive information, data handling must be in compliance with LT and EU data laws as well as GDPR.

- **Replication** - non sensitive data must have duplicate records stored.

2.   Modelling of the non-functional requirements

3. Identifying and modelling of possible operationalizations for NFR

4. Detecting and modelling of implicit interdependencies among NFR

5. Chosen operationalizations

6. Strategic rationale model

7.   Conclusions about an actor dependency

Conclusions