

Chapter 1

Requirements

The requirements are categorized according to the FURPS+ model.

1.1 Functional requirements

Identifier	Requirement summary
<i>Features</i>	
FR 1.1	The system must allow users to vote.
FR 1.2	The system must allow eligible users to configure an election prior to the start of it.
FR 1.3	The system must allow eligible users to start and stop an election.
FR 1.4	The system must allow eligible users to obtain the result of an election.
<i>Interoperability</i>	
FR 2.1	All system modules must require Java 7 or a later version of Java to run.
FR 2.2	All system modules must require Jolie to run.
<i>Extendability</i>	
FR 3.1	Each system module must be replaceable without changing the other modules.
FR 3.2	System modules must communicate across well defined interfaces.
<i>Composability</i>	
FR 4.1	All communication between system modules must be verifiable.
<i>Manageability</i>	
FR 5.1	The system must be administrated by a set of authorities.

Chapter 2

Detailed Requirements

FR 1.1 - The system must allow users to vote

The system must be able to capture votes for all eligible people, such that it is taken into account when the ballots are counted. It must be possible to overwrite ones ballot as long as the election is still in progress.

FR 4.1 - All communication between system modules must be verifiable

Since the system shall be used to decide how many people has voted for the different candidates and/or parties, an error in the system can have a very large impact. To increase the likelihood of the software developers catching any mistake the system must be as transparent as possible. Furthermore it should be possible to verify the communication between the modules. It is important that if one module sends a message to another module, the message is the same when received.