# User Interface

## Voting

* Voting with Erststimme and Zweitstimme
* Invalidation of both individually

## Information

* Current estimates
* Results for potential coalitions
* Results of previous elections and comparison / deltas
* Rate of participation (current and previous)
* Gender and age distribution (current and previous elections)
* Results per Wahlkreis (current and previous)

# Functional Requirements

## Voting

* Every citizen with the right to vote can vote exactly once per election, entering valid or invalid Erstimme and Zweitstimme
* Citizens can only vote directly in the Wahlbezirk they are registered in *x*or by Briefwahl.
* Voting only works for parties and candidates that are nominated in that year in that Wahlkreis

## Nominations

* Parties can be nominated but once per year
* Parties can only hand in a single Landesliste per federal state per year
* Candidates can only run for a single Wahlkreis per year
* Parties can support only one single candidate per Wahlkreis

## Evaluation

* Evaluation of election results follows the current system (Saint Lague)
* A defined interface exists to change the seat distribution method (e.g. from Saint Lague to D’Hondt) **[optional]**

# Non-functional Requirements

* Ease of use
* Privacy
  + Within the database there is no association between citizens and their votes. Within the database no such relation can be derived from other data.
* Reliability and performance
  + **n** million simultaneous voting transactions
  + **n** million simultaneous analysis requests
  + both simultaneous
  + Response time of less than **x**

# Acceptance criteria

* Reproduces correct results of previous elections.
* Fulfils all non-optional functional requirements
* Fulfils performance requirements