# General goals

## General requirements

* The CHVote protocol is implemented as specified in the latest specification document. The only exclusion are the algorithms that
* The application is web-based and show updates and mutations done by other users in real-time
* The system supports 1-out-of-3 type of elections (e.g. elect 1 of 3 possible candidates)
* The system supports internationalization

## Can-Criteria:

* The system handles k-out-of-n type of elections

# Election Overview:

## Must-Criteria:

* The overview shows which phase the election is currently in
* A graphical scheme of the chVote protocol gives an overview of all participating parties

# Vote Administrator View

## Must-Criteria:

* Users can create new elections and generate electorate data
* Users can administer ongoing elections
  + Decryption & mixing
  + Tallying
  + Viewing the final result of the election

## Can-Criteria:

* The election administrator can choose between 3 different security levels

# Printing Authority View

## Must-Criteria:

* Users can generate voting sheets for the electorate

## Can-Criteria:

* Voting sheets hide sensitive information behind a scratch-card

# Election Authority View

## Must-Criteria:

* The election authority view shows what kind of information the election authorities hold
* After a voter has submitted a ballot, it first shows up in the election authority view and can be processed (checked and responded to) upon user interaction

## Can-Criteria:

* The process of checking and replying can be automated for the succeeding election authorities

# Bulletin Board View

## Must-Criteria:

* The bulletin board view shows what information is publicly available

## Can-Criteria:

* The bulletin board view is extended with verification-functionality (the scope is to be discussed)

# Voter View

## Must-Criteria:

* Users are able to go through the whole vote-casting process:
  + Candidate selection / vote casting
  + Vote confirmation
  + Vote finalization
* The voting card is visible on the screen and allow drag & drop interaction

# Out of scope:

* Signatures and channel security
* Providing the translations is not part of the project