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Project Referendum

This is the first documentation of the Project Referendum. The idea idea behind the project is to eneable secure persenoal login with the possibility to make your boice heard. This will also supply correct and authentic

Architecture

Users

Participant

The Participant is a verified user with the right to vote in the selected referendum. For example this can be a citizen of a country that the referendum will refelct.

Referendum administrator

This is the Administration of the referendum.

Referendum viewer

The view of the referendum is presnted here.

Parts

Participant device

The device that the participant will use to log into the referendum and answer the questions

Referendum handler

A data server that the Praticipant connects to to answer the referendum. This server will:

- Ensure that only a verified participant of a specific population can vote
- Ensure that a verified person only can place one vote.
- Conduct the verification of the user
- Anonymize the participant so it is not possible to fetch information about who the participant is. This apart from genereal information that can be set when creating the referendum. But in the end it should not be possible to se who voted what.

Data provider

The collection of data that shouold be provided to the referendum. This can either be a totaly seperate system that uses the rest api presented by the referendum handler.

SCA Provider

A provider of SCA login. This is used to verify that the participant is a real person.

KYC Provider

A provider of KYC of participant. This is used to fetch extra information about participant. For example age, registered adress and similar.

Sequence diagrams

Casting vote