

„Pflichtenheft“

Goals of the projects:

Must be fulfilled:

- Voting procedure
- Election analysis and comparison
 - Distribution of seats in parliament
 - “Direktmandate”
 - Correct temporary computations of “Überhang” and “Ausgleichsmandate”
- Structured output of the election results and comparisons
- Non functional requirements: privacy, security, performance

Should be fulfilled:

- Election analysis and comparison
 - Members of parliament
 - “Überhangmandate”
 - “Ausgleichsmandate”
- Pleasant displaying of election results and comparisons
- Non functional requirements: scalability, robustness, safety

Can be fulfilled:

- Election analysis and comparison
 - Possible collaborations of parties
- Interactive visualization of election results and comparisons
- eastereggs

Not going to be implemented:

- physical infrastructure and election entity
- comparison of different election systems
- survey execution
- extrapolation of end result
- two way authentication

Technical Realization Aspects

Microsoft SQL Server will be used as the DBMS as it is known to work well with ASP.Net and C#, in which one of the project participants is experienced. For the same reason, that framework will be the dedicated technology used for frontend design. Two frontends will be elaborated, one for the voting procedure and one for election analysis and comparison.

Data modell

See Attachement 1

Frontend Mockup

See Attachement 2

Glossar

DBMS: Data Base Management System

Scalability: handling of many users

Robustness: no crashes during runtime

Security: protected against manipulations

Safety: safe against data loss

Privacy: no relation of voters and single votes in this context

Eastereggs: funny applications that can be activated by special interactions