

Møte 11.01.2020

- Utgifter
 - Spørre girtz om kjøpe domene
 - Server/ cloud tjeneste
 - Kjøpe doemene uansett

Arkitektur

Backend

- Deno typescript

Database

- Avventes :D

Frontend

- React
 - Med PWA

Voter features

- Cast vote
- Use websockets for realtime
- Login / authenticate using different options
 - No registration!
 - By link and token
 - QR code
 - Code (token?)
 - Phone number?
- See results of each vote if enabled by vote caster
- Can close and open app and persist session :D
- Must not get timed out after X seconds :D

Admin panel features

- Create new vote session
 - Push vote to voters
 - Multiple or single
 - Create new vote
 - Types:

- One vote on subject
 - Rankings
 - Multiple choice
- Multiple votes in a vote session
 - Each vote can be different type ^
- Invites / joining
 - Invite people by email
 - Invite by SMS
 - Share link
 - Can be password or non password protected
 - Scan QR code
 - By code
- See casted votes results
 - Create PDF export
 - Mail result
 - CSV
- See current vote results in real time
 - WebSocket for realtime
 - Graphs?
 - Broadcast results?
- Login / Logout
- Profile
 - Change pw
 - Change email

Vote features

- Title
- Description
 - Optional?
- Image
 - Optional?
- Vote blank
- Vote type
- Easy to understand what is voted on

Vote session features

- Title
- Description
- List of questions
- Number of questions
- Progress bar of questions

- Optional?
- Push vote to voters
 - Multiple or single
- View results
- Show statistics of session
 - Connected users
- Due time
- Default answer if due time expired

System features

- Untracable votes
- Validated/verified users
- Multiple login services
 - Google
 - Facebook
 - Feide
 - Vipps
- Localization language
 - Norwegian
 - English
- Theming after users desire
 - Logo
 - Color

Arbeid

- Timeplan/møtetid
 - Kjernetid 9-3
 - Lønsj 11.30
 - Prøve å jobbe på skolen om det går
- Ferie
 - Påskeferie Uke 13
 - "heldig" - Rolig uke
 - Melde om ferie så går det bra :D
 - Helst litt før
- Møter
- Sprints
 - Standups
 - kl 12 (etter lønsj)
 - Hyppighet
 - Prøve på 1 Uke

- Se tids brukt på planing
- Skrive retor på GitHub / Wiki
- Tom for arbeid?
 - Ok å begynne på en unplanned task, men bør unngås
 - Lage ny tasks for evt refactor / cleaning
- Planning
 - <https://github.com/jvandemo/github-scrum-workflow>

Git

- Struktur
 - Bruke GIT Flow
 - Commit message structure?
 - **Fix** bug in remote code
 - **Add** unit test for validation
 - **Update** dev dependencies
 - **Remove** old unused code
 - **Refactor** the best class there is
 - Rebasing before merging
 - CAN BE DANGEROUS IF MULTIPLE ARE WORKING ON SAME BRANCH AS WE ALTER HISTORY
 - To fix commit message
 - Squash, or delete commits
 - PRs
 - Ha et generelt overblikk over PR
 - Prøve å ta PR etter Standup kl 12
 - Sette opp Webhook mot discord for nye PR
 - Takhøyde for å returnere PR om man oppdager feil
 - For å unngå altfor mye tidsbruk av lese ALL kode
 - Flere repos
 - Backend
 - Frontend
 - App
 - Issues
 - Bruke labels
 - Points
 - Bug
 - Fix
 - Lage template for issues

Cloud

- Azure
- Tar stilling til tjenester senere
 - Which cloud service should we go for?
 - AWS, Google, Azure, DigitalOcean : combination?
 - Pricing?
 - Azure and AWS can be pricy
 - Student accounts?
 - AWS and Azure provides student accounts with credits
 - Google is cheap (almost Free) for low data usage
 - Docker?
 - App Service?
 - Virtual machines?

Testing/ validering

- Helst forsøke å skrive tester i forkant før kode skrives
 - TDD
- Unit testing (Single piece of code - class, function etc)
 - We need unit testing: select a framework for the language we are to use
 - Should be run on deployment
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- Integration testing (Testing if things work together)
- GUI testing (Is the gui working on state change, looks alright, etc..)
 - Mostly manual process when creating
- API testing
 - POSTMAN
 - <https://www.postman.com/automated-testing/>
 - Can share a collection for API endpoints in a Colab group
 - Every one can access the same created endpoints
 - Can run automated tests
 - Variables
 - Testing locally
- GitHub Action
 - Used to run UnitTests
 - Used to run Style checks
 - Used before Integrate (Merge into Master)
 - Unit tests
 - Style check
 - Integration test
 - Used run after integrate to Deploy (Launch master on servers / ship new release)