Full Stack Webdevelopment

Workspace App

„Work smart, not hard"

Created and presented by:
Schulz, Julien
Özcan, Emre

Outline

1. Tools

2. Value proposition

      2.1 Problem & solution space

      2.2 Persona

      2.3 Design philosophy

3. Usage flow & application structure

4. Use cases & key design decisions

5. Scope & priorities

Tools

- Communication
  - Microsoft Teams
- Project management
  - Microsoft Teams
  - GitHub
- Version control and source code management
  - GitHub
  - Git
- Usage flow
  - Microsoft Visio
  - (Mermaid)
- Code editor
  - Visual Studio Code

Value proposition ◇

Problem space: ?

- „Physical vs digital working"!
- Struggles of workflows
  - Fragmentation (constant switching between apps)
  - Information overflow
  - Lack of collaboration

Our „workspace app" serves as a:

Collaborative tool that allows for creating and editing notes including attachments enabling an intuitive yet streamlined workflow.

Persona 😑

Goals

I want to improve my workflow!

Challenges

Being stressed out by the volume of scattered information across different documents.

Dislikes

Distractions, complex interfaces & visual clutter

Questions

Is there any way I can easily collaborate on one document with my coworkers?

Biography

Been taking notes my whole life but have yet to find the perfect app to support my workflow…

„I have work to do but I want to do it in the most time-efficient and unobstructed way possible"

Design philosophy

- Dumbest assumable user (DAU)

  → represents hypothetical user with little to no technical knowledge,
  prone to making errors or performing unpredictable actions

- Simplicity, minimalism, accessibility

  - aiming for rather broad user spectrum
  → *„More fitting users than non-fitting!"*

- Intuitive, distraction-free interface

  → a rather vanilla / „no frills" app

  → *Balance between usability and functionality!*

Usage *flow & application structure*

Use cases

Key design decision:
Which use cases do we include?
(From a developer's POV)

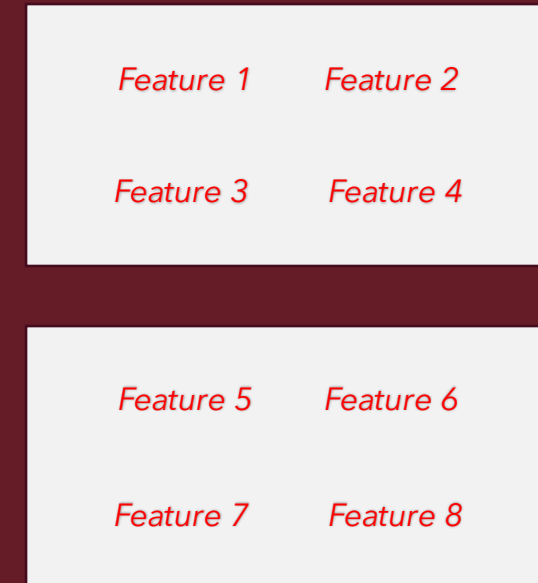| Collaborators?		Privacy?	
		YES Not findable (Invite only)	**NO** Public & findable (anyone can join WS)
	NO (Spectate only)	"One-Man-Show" (e.g. shopping list)	public viewing (e.g. developer example)
	YES (Others can edit)	Collaborative working ("Working group")	"Wikipedia"

→ *Design decision:*
Focus on collaborative working ✓
but not neglecting any other target user!

Key design decision: 🔑

1 Feature = 1 Page (1 separate GUI) ?!

Feature 1	Feature 2	Feature 3	Feature 5
Feature 5	Feature 6	Feature 7	Feature 8

VS

Feature 1	Feature 2
Feature 3	Feature 4

Feature 5	Feature 6
Feature 7	Feature 8

→ *Design approach:*

We aim for a rather granulated, modular manner.
(rather more than less individual pages)

Design decision on a micro level (feature level)

How should one add collaborators?

Premise: 1 admin / 1 workspace

Inviting users via link   **VS**   Directly adding
users via name

🌐 https://www.worksmartnothard.com/joinworkspace123
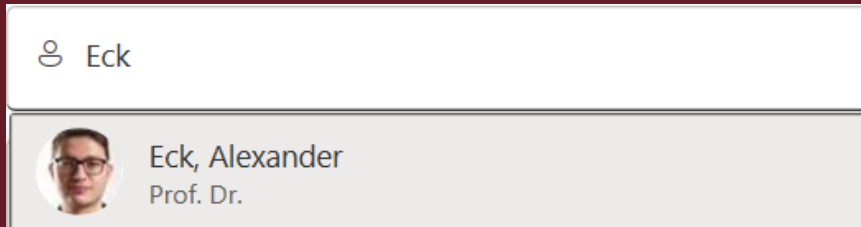
Link successfully copied!

👤 …

→ *Design decision:*
Directly adding collaborators ✓ for DAU reasons
(but later down the road… why not both options?)

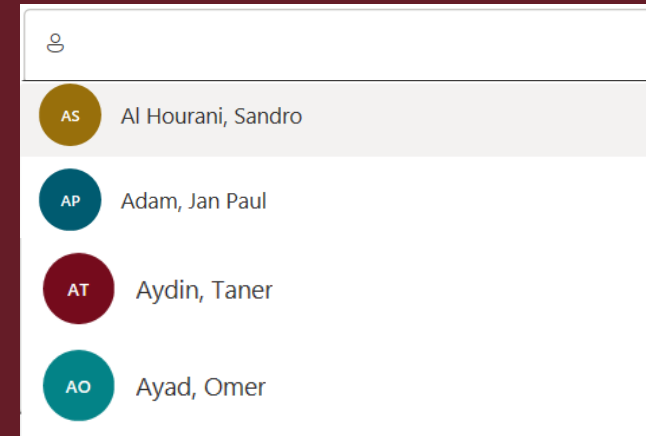# Design decision on a micro level (feature level)

Collaborator adding procedure:
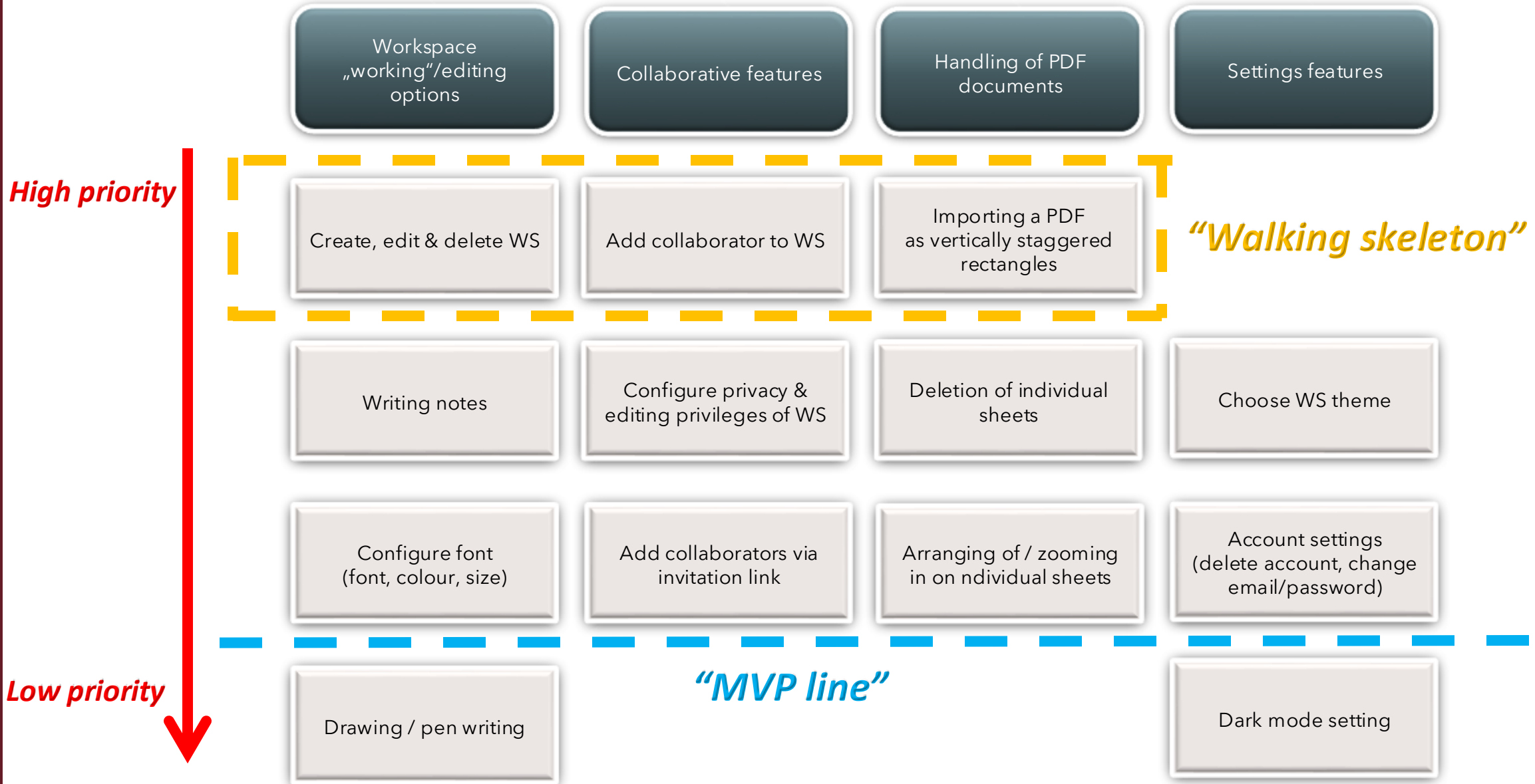
Explicit name searching

VS

Scrollable list of users displayed by default

→ *Design decision (no substantial DC, but):*
Explicit name searching ✓
following minimalist approach - minimizing visual clutter
(+ avoid potential spam invites)

Scope and priorities 🏆

Workspace „working"/editing options	Collaborative features	Handling of PDF documents	Settings features

High priority

Create, edit & delete WS	Add collaborator to WS	Importing a PDF as vertically staggered rectangles	*"Walking skeleton"*

Writing notes	Configure privacy & editing privileges of WS	Deletion of individual sheets	Choose WS theme

Configure font (font, colour, size)	Add collaborators via invitation link	Arranging of / zooming in on ndividual sheets	Account settings (delete account, change email/password)

"MVP line"

Low priority

Drawing / pen writing			Dark mode setting