BETTER TEMPLATES

Sandra Hatem

Karabo Kobola

Sergei Khmiziuk

Baptiste Samoyault

CONTEXT OF DESIGN

User’s goals
Create presentations efficiently by having layout and templates suggestions.

Problem
People struggle with designing well-structured presentations due to time constraints or a lack of creative ideas.

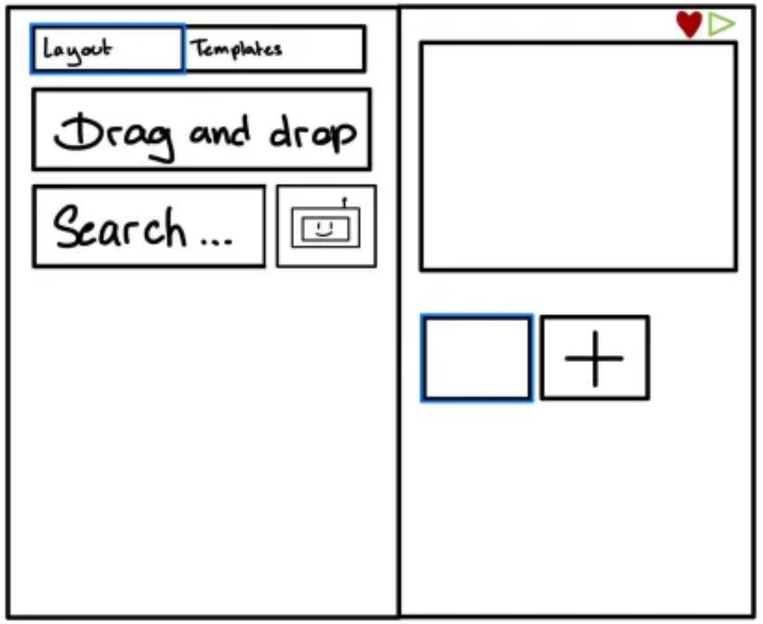
Target users
Non-designers, including novice and regular users of presentation tools.

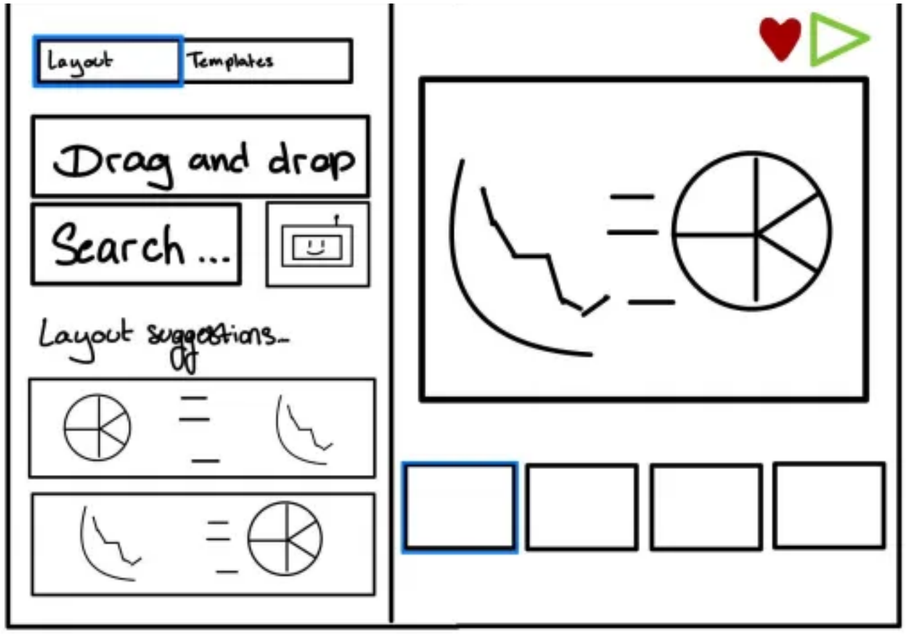
Envisioned situation
Users quickly create well-structured, visually appealing presentations with AI-powered layout suggestions, saving time and effort without needing design skills.

INITIAL DESIGN CONCEPT

Design idea

The system combines an intuitive layout tool that suggests optimal alignment and positioning of elements with an expansive library of customizable templates, helping users create visually appealing presentations quickly and easily.





COLLABORATION CONCEPT

Role of the user

- Primary decision-maker, creating and customizing presentations.
- Selects templates and adjusts layouts based on personal preferences.
- Practices presentations and receives real-time AI-driven feedback.

Role of the system

- Provides AI-assisted personalized templates and layout suggestions.
- Offers real-time feedback to help improve presentation delivery.

COLLABORATION CONCEPT

Control by Design integration

- Users can customize AI-suggested layouts, ensuring flexibility.
- Undo and revert options allow corrections without frustration.
- AI-powered search helps users refine results with follow-up queries.

Errors consideration

- The system adjusts templates dynamically if the user's content doesn’t fit (e.g., redistributing images or resizing text).
- Detects issues like overflowing text or misaligned elements and suggests fixes.
- Users can see how their content fits in a template before finalizing changes.

FEEDBACK RECEIVED

Customize Existing Templates
Allow users to modify and personalize existing templates.

Save Templates to Favorites
Enable users to save favorite templates for quick access.

Search as Chat for Follow-up
Convert search into a chat for context-specific follow-up questions.

AI Feedback During Practice
Provide AI feedback on speech, e.g., 'Slow down' during practice.

Adjust Lighting Based on Room
Suggest lighting adjustments (e.g., white background for daylight settings).

REDESIGN

01

Socio-Technical Principles

- User-Centered Design
- Collaboration and Communication
- Context of use

02

Golden Rules

- Consistency
- Feedback
- Error Prevention
- Flexibility and Efficiency of use

BRIEF DESCRIPTION

Charlie’s colleague asked him to do a presentation. He is using Better Templates to do it fast and efficiently. He opens up the app.

GROUP

SYSTEM

better templates

EXISTING TECHNOLOGY

Template Customization
Using current design tools, users can easily customize templates, changing colors, fonts, and layouts. Technologies like HTML, CSS, and JavaScript can power dynamic templates with customizable options.

Layout Suggestions
AI-powered algorithms can analyze layouts and suggest optimal positioning, leveraging existing technologies like grid systems and alignment tools within design software.

Personalized Speech Feedback
AI and speech recognition technologies are available to analyze speech patterns and offer feedback, such as "speak slower" or "pause for emphasis," through existing machine learning models.

Saving and Organizing Templates
Existing database and cloud storage technologies can support saving templates to a favorites section and organizing them for easy access.

PARTS TO DESIGN

User Interface (UI)
Design a clean, intuitive interface for template selection, layout suggestions, and speech feedback, ensuring seamless user experience.

Speech Feedback System
Develop the feedback mechanism for real-time speech analysis, using machine learning models for personalized suggestions based on tone, speed, and delivery.

Template Library Management
Create a robust system for managing and storing templates, including the ability to save, categorize, and access favorites quickly.

AI Layout Optimization
Implement AI-driven layout optimization to suggest ideal positions, leveraging algorithms to analyze the content and ensure a visually appealing result.

HOW DOES DESIGN SUPPORT CONTROL?

Customizable Templates and Layouts

The design allows users to control the presentation layout by offering customizable templates and layout suggestions. Users can freely modify these based on their needs, giving them control over both design and presentation content.

Real-Time Speech Feedback

Users are in control of their presentation flow, receiving real-time feedback that helps them adjust their speaking pace or tone, enhancing their ability to self-manage during delivery.

UPSKILLING AND DOWNSKILLING OF THE USER

Upskilling

The system is designed to help users improve their presentation skills over time. By offering actionable feedback on both layout and speech, users can refine their skills and increase their competence in creating professional presentations.

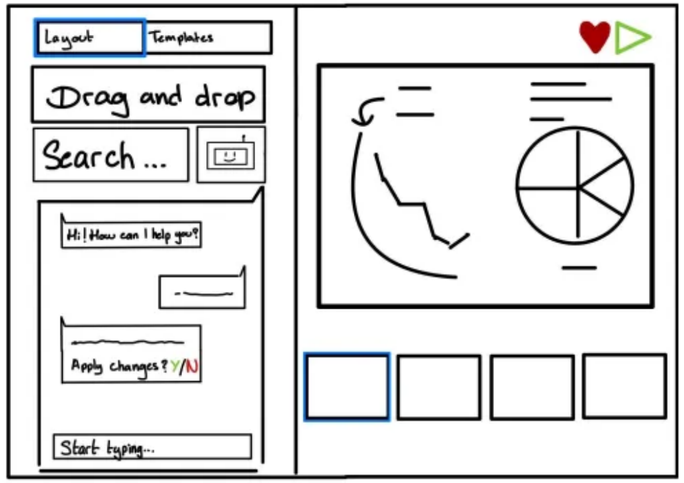
Downskilling

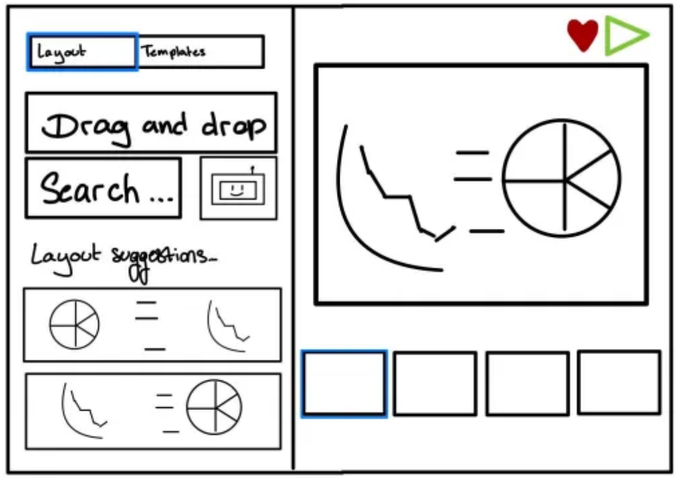
For novice users, the system simplifies the presentation creation process with easy-to-use templates, automatic layout suggestions, and guided feedback, making it easier for them to create effective presentations without advanced design skills.

SHOULD WE USE AI FOR IT?

Yes

- Layout Suggestions: AI can analyze the content of the slides and suggest optimal layouts, making the design process easier and faster.
- Speech Feedback: AI can assess speech delivery (e.g., tone, speed) and provide personalized suggestions for improvement, helping users practice and refine their speaking skills.





QUESTION TIME...