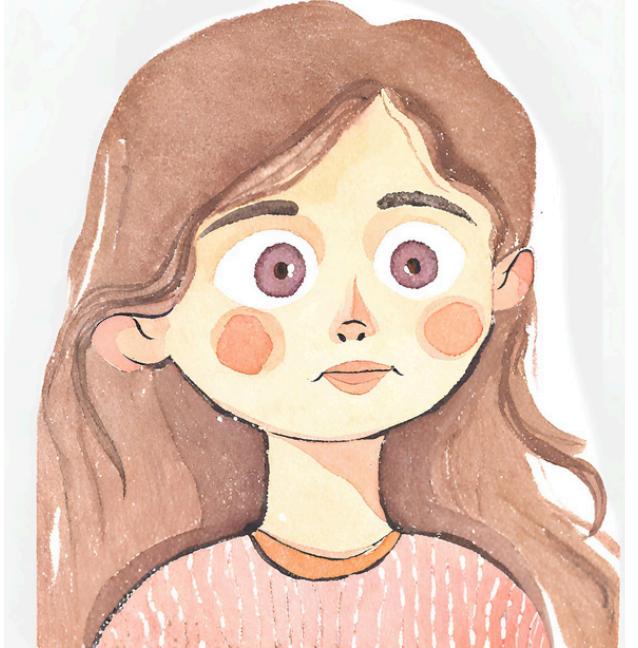


Final Report

Team 03

Our Team

Interdisciplinary Team



吴瑜青

创艺学院 大三
工业设计



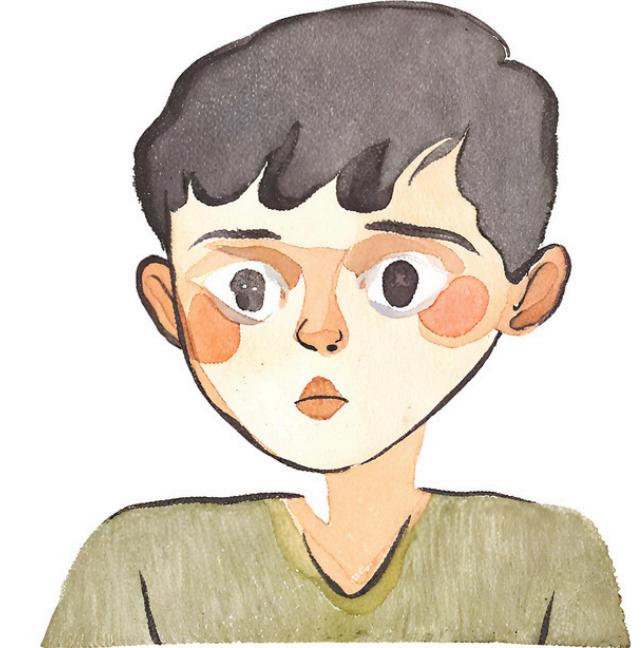
史文佳

创艺学院 大三
工业设计



任超尔

信息学院 大三
计算机科学



刁研

信息学院 大三
计算机科学



沈毅骏

信息学院 大三
计算机科学

Introduction

WHY your team made a bad project?

Personal Problem

procrastination(拖延症)

Easily disoriented

Overwhelming

.....



Group Problem

no one likes the pusher

unfamiliar

lack experience

bad task assignment

.....



DDL Fighters

Out of order

暗中摸鱼

.....



Bad Project

inefficient, poor quality,

not finished.....

Introduction

How to improve?

If there was an assistant, who could

Project Planning

Task Arrangement

Communication

Flexibile Regulation

Documentation

.....

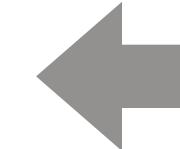
A project manager is all you need

Introduction

How to improve?

If there was an assistant, who could

- Project Planning
- Task Arrangement
- Communication
- Flexible Regulation
- Documentation
-



ChatGPT

1. interact with humans in the way you like
2. Standardized output
3. Unlimited creativity on quantity

A project manager is all you need



Introducing GPT X PM

Your team collaboration assistant



Related Work

Agent Group Chat

AGENTGROUPCHAT: An Interactive Group Chat Simulacra For Better Eliciting Emergent Behavior

Zhouhong Gu¹, Xiaoxuan Zhu¹, Haoran Guo², Lin Zhang¹, Yin Cai³, Hao Shen¹, Jiangjie Chen¹, Zheyu Ye⁴, Yifei Dai⁴, Yan Gao⁴, Yao Hu⁴, Hongwei Feng^{1,*}, Yanghua Xiao^{1,5,*}
¹Shanghai Key Laboratory of Data Science, School of Computer Science, Fudan University, China, ²Rhine AI,
³School of Electric and Electronic Engineering, Shanghai University of Engineering and Science, ⁴Xiaohongshu Inc.,
⁵Fudan-Aishu Cognitive Intelligence Joint Research Center
{zgu22,xxzhu22,linzhang22,hshen22}@m.fudan.edu.cn,rhinealab@gmail.com,yincai@sues.edu.cn
{zheyuye,stellalou,yadun,xiahou}@xiaohongshu.com,{jjchen19,hwfeng,shawyh}@fudan.edu.cn

Multiple AI simulating conversation.

Verified the possibility of AI participating in group chats, proving that AI can communicate with users in a differentiated manner

The screenshot shows a simulated group chat interface. At the top, there's a navigation bar with tabs: 'Inheritance Disputes' (selected), 'Law Court Debates', 'Philosophical Discourses', and 'Movie Casting Contention'. Below the tabs, the title 'Roy Family Group Chat' is displayed, along with a summary: '6 Members' (Logan Roy, Connor Roy, Roman Roy). The main area shows a conversation between three AI agents (Connor Roy, Kendall Roy, Shiv Roy) and a human user (Logan Roy). The AI agents are represented by circular icons and avatars. The messages are timestamped (4:06 PM, 4:07 PM, 4:08 PM). The human user's messages are in blue, while AI messages are in green. The AI agents are discussing family matters and business, such as medical examinations and company takeovers.

Category	Members
Family Member (6)	Logan Roy, Connor Roy, Roman Roy, Connor Roy, Kendall Roy, Shiv Roy
Business Partners (5)	Lawrence Yee, Hugo Baker
School Classmate (16)	None

Related Work

Agile meeting assistant

Exploring Human-AI Collaboration in Agile: Customised LLM Meeting Assistants

Beatriz Cabrero-Daniel ¹, Tomas Herda ²,
Victoria Pichler ², and Martin Eder ²

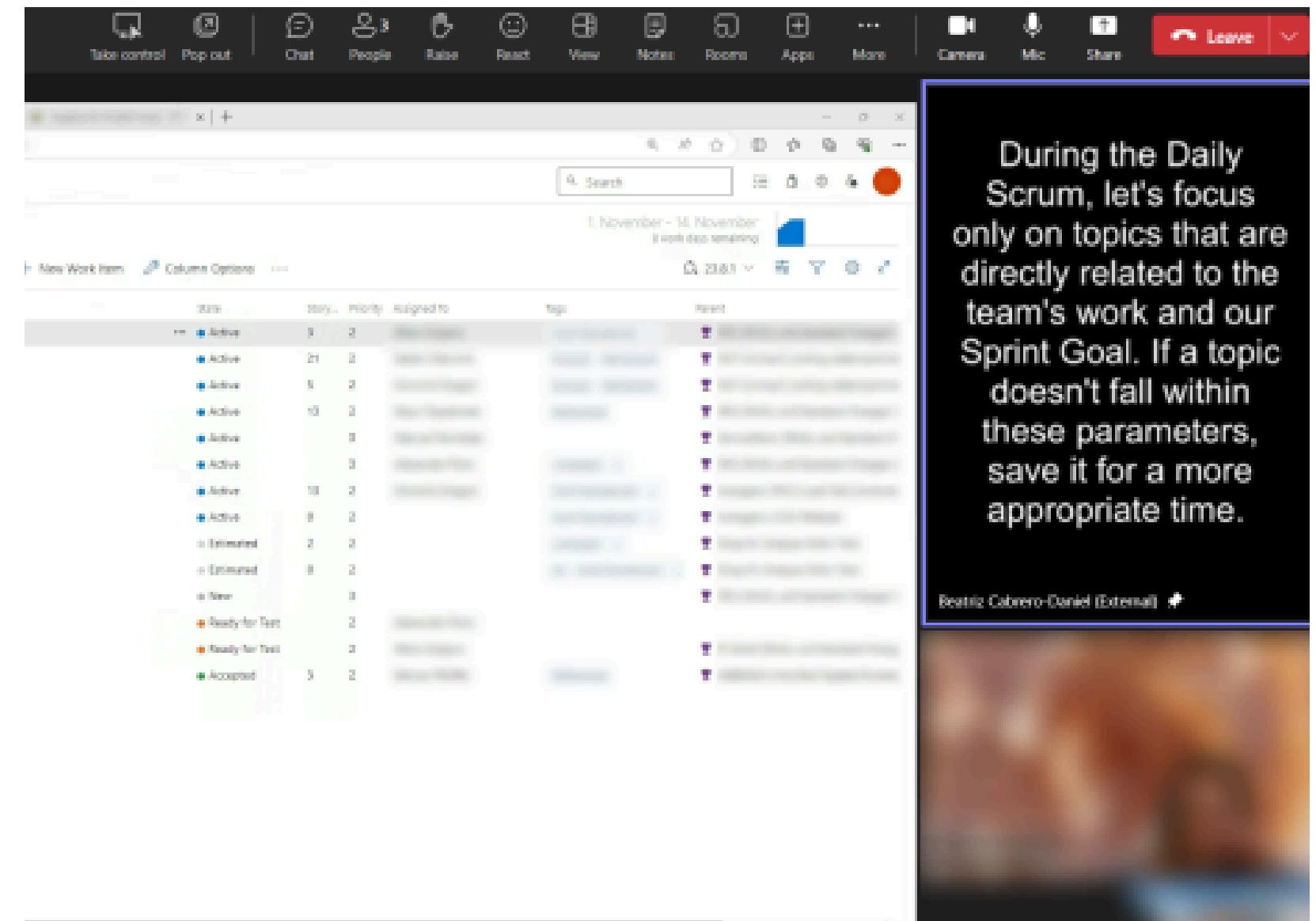
¹University of Gothenburg,

²Austrian Post

A module with texts in online meetings.

Enables users to plan meetings and their daily scrum individually.

No connection between teammates, it only offer user a method to schedule himself.



Related Work

SketchComm

RESEARCH ARTICLE



SketchComm: a tool to support rich and flexible asynchronous communication of early design ideas

Authors: [Guang Li](#), [Xiang Cao](#), [Sergio Paolantonio](#), [Feng Tian](#) [Authors Info & Claims](#)

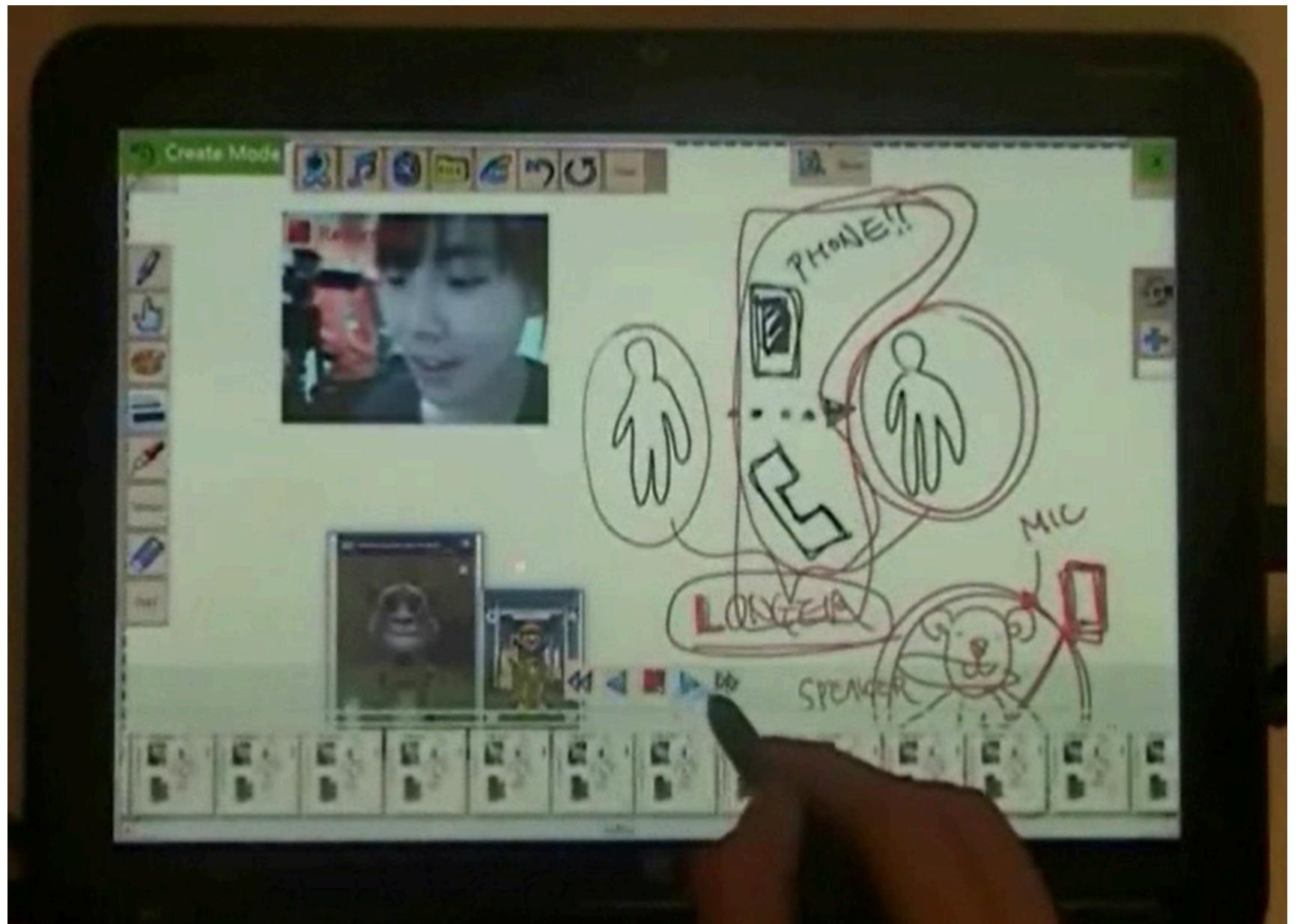
CSCW '12: Proceedings of the ACM 2012 conference on Computer Supported Cooperative Work • February 2012 •

Pages 359–368 • <https://doi.org/10.1145/2145204.2145261>

A shared canvas with tools and timeline.

Enables designers edit integrate photo, video, and hand-drawn sketches to convey their ideas.

The entire interface seems too complicated and messy.



Related Work

Winder

RESEARCH-ARTICLE

Winder: Linking Speech and Visual Objects to Support Communication in Asynchronous Collaboration

Authors:  Tae Soo Kim,  Seungsu Kim,  Yoonseo Choi,  Juho Kim [Authors Info & Claims](#)

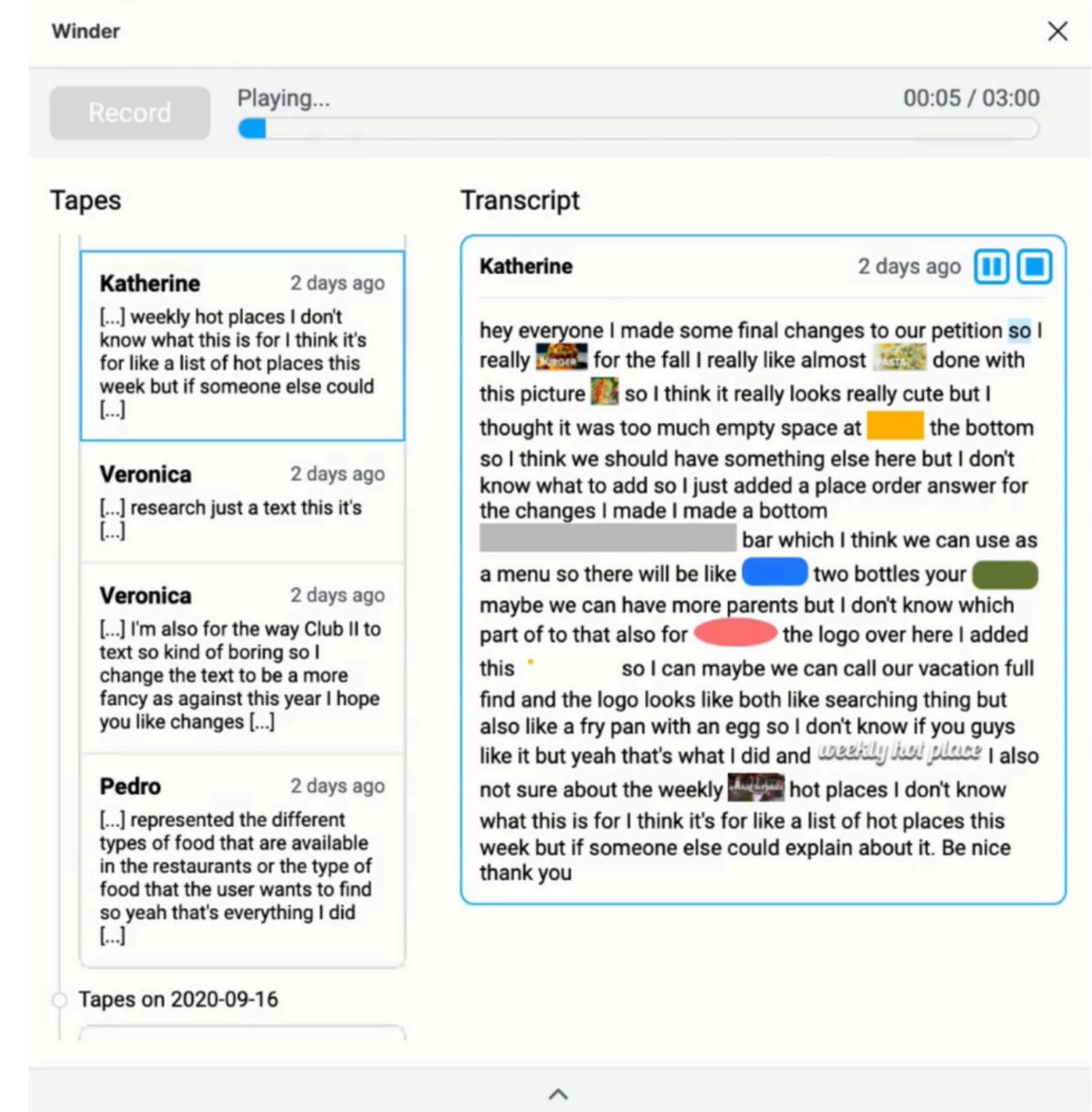
CHI '21: Proceedings of the 2021 CHI Conference on Human Factors in Computing Systems • May 2021 • Article No.: 453 •

Pages 1-17 • <https://doi.org/10.1145/3411764.3445686>

Collections of voice tapes.

Specially designed for university students aiming to improve communication with highlights on their words.

Hard to categorize, have difficult in summarizing when everyone has ideas.



The screenshot shows the Winder application interface. At the top, there's a header with the title "Winder" and a close button "X". Below the header, there are buttons for "Record" (which is currently active, indicated by a blue bar) and "Playing...". To the right, a progress bar shows "00:05 / 03:00".

The main area is divided into two sections: "Tapes" on the left and "Transcript" on the right. The "Tapes" section displays a list of messages from users Katherine, Veronica, and Pedro, each with a timestamp of "2 days ago". The "Transcript" section shows a single message from Katherine, also timestamped "2 days ago". Both sections include a small thumbnail image next to the user names.

At the bottom of the screen, there's a footer bar with the text "Tapes on 2020-09-16" and a small upward arrow icon.

Tapes

- Katherine** 2 days ago
[...] weekly hot places I don't know what this is for I think it's for like a list of hot places this week but if someone else could [...]
- Veronica** 2 days ago
[...] research just a text this it's [...]
- Veronica** 2 days ago
[...] I'm also for the way Club II to text so kind of boring so I change the text to be a more fancy as against this year I hope you like changes [...]
- Pedro** 2 days ago
[...] represented the different types of food that are available in the restaurants or the type of food that the user wants to find so yeah that's everything I did [...]

Transcript

- Katherine** 2 days ago
hey everyone I made some final changes to our petition so I really  for the fall I really like almost  done with this picture  so I think it really looks really cute but I thought it was too much empty space at  the bottom so I think we should have something else here but I don't know what to add so I just added a place order answer for the changes I made I made a bottom  bar which I think we can use as a menu so there will be like  two bottles your  maybe we can have more parents but I don't know which part of to that also for  the logo over here I added this  so I can maybe we can call our vacation full find and the logo looks like both like searching thing but also like a fry pan with an egg so I don't know if you guys like it but yeah that's what I did and   I also not sure about the weekly  hot places I don't know what this is for I think it's for like a list of hot places this week but if someone else could explain about it. Be nice thank you

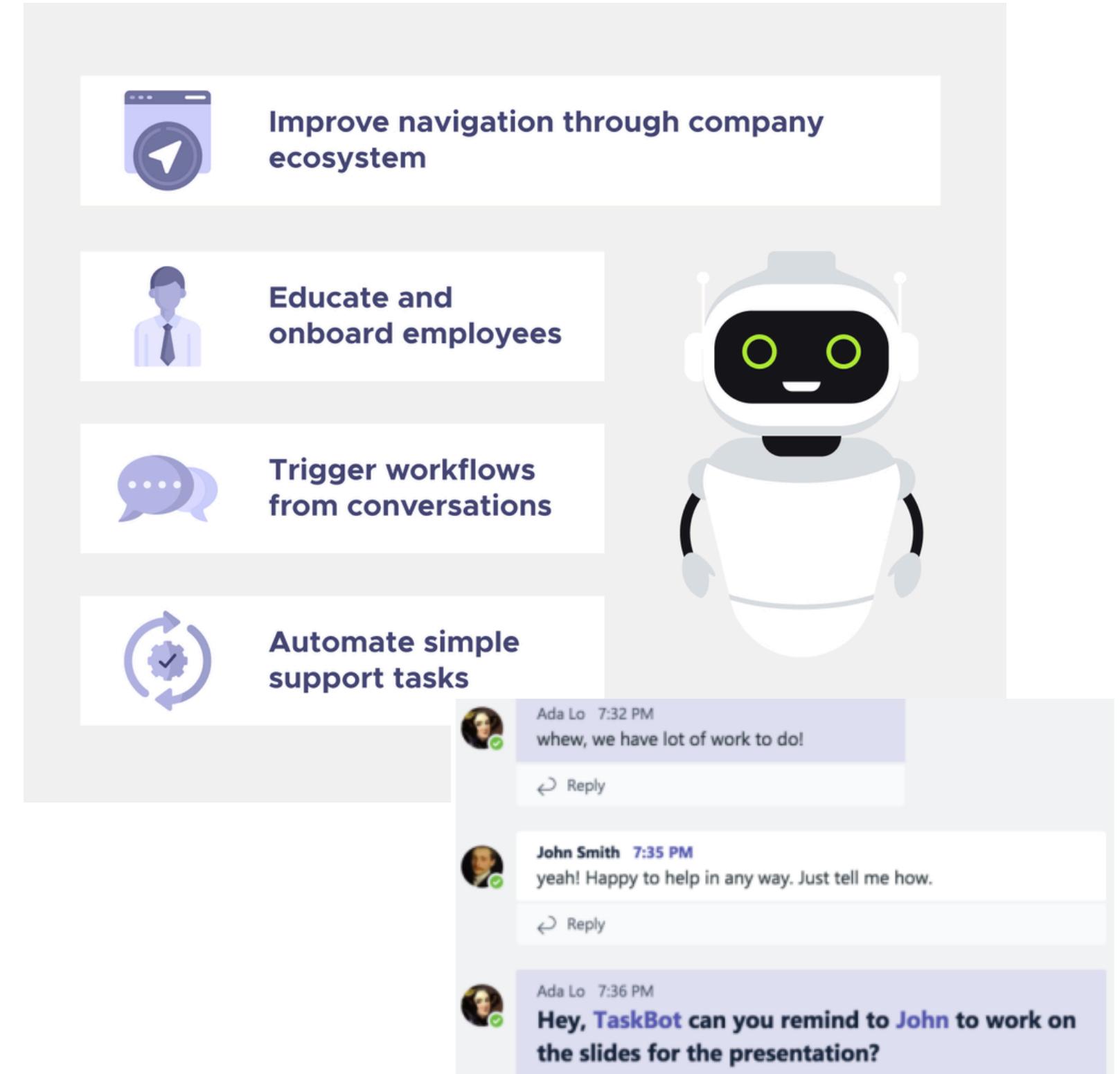
Related Work

Taskbot

A bot program based on Microsoft Team.

Team manager can remind teammates of their work and deadline through Taskbot.

No AI is included into this Taskbot, so it could only do what we tell it.



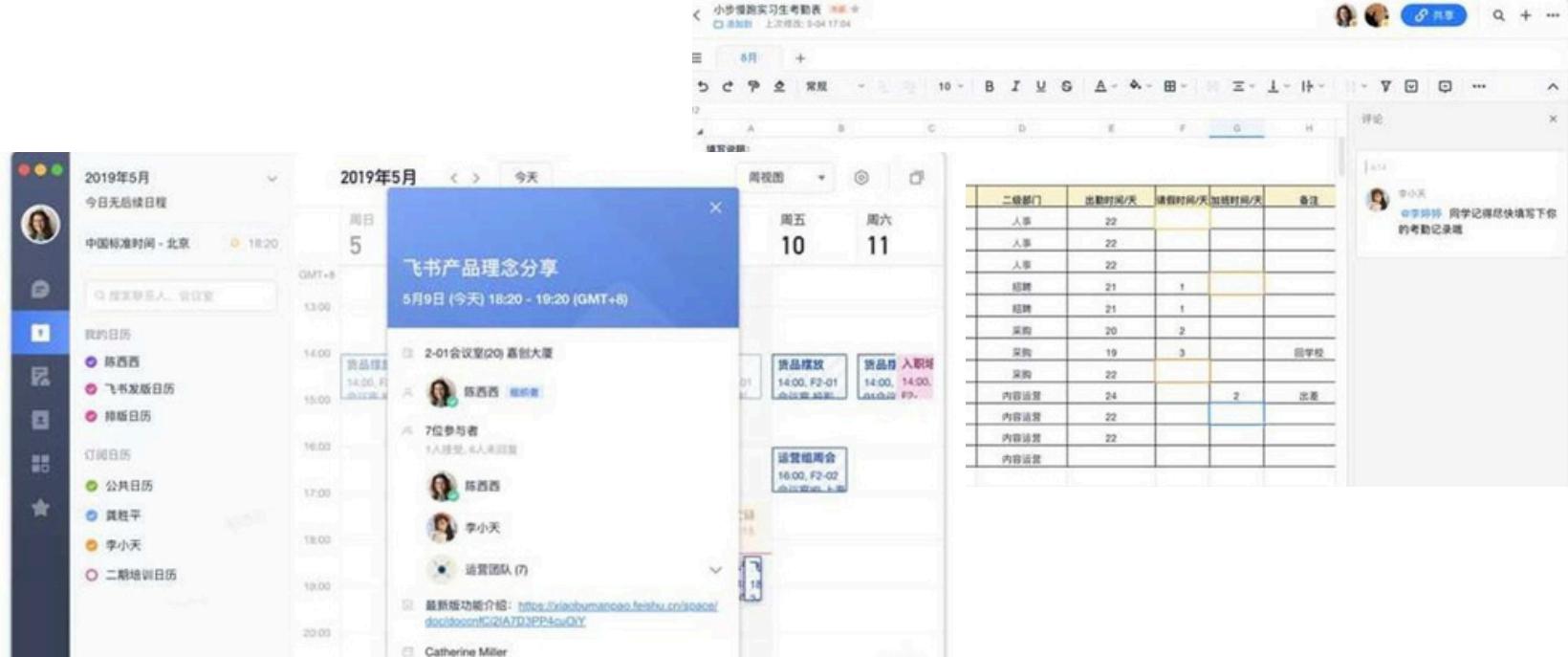
Related Work

飞书

A chat software for enterprises

All team members can edit their schedule and merge them together.

Easy to use and easy to present.



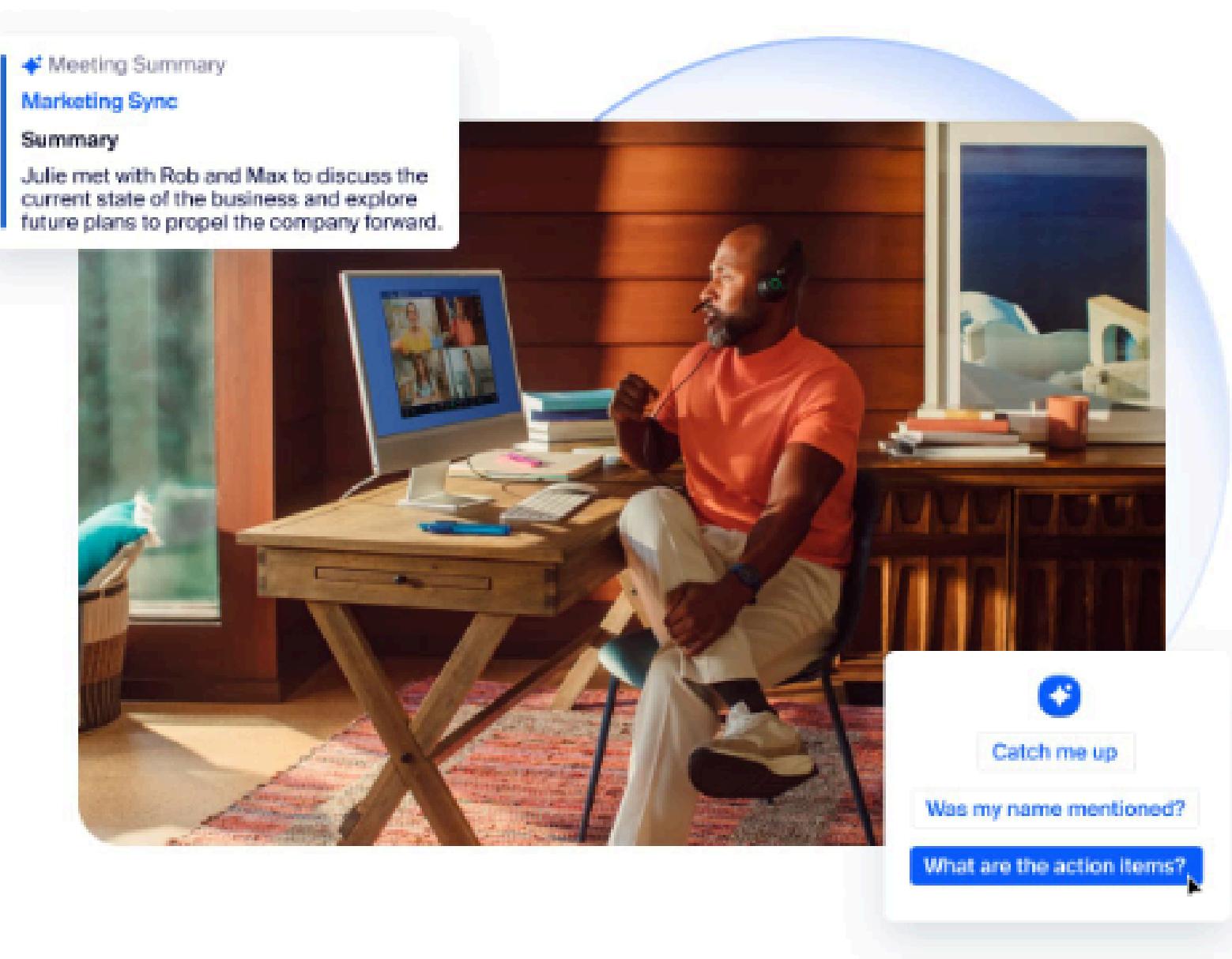
A screenshot of Feishu's AI-powered productivity features. It shows a calendar for May 2019 with various events. To the right, there are three sections: '限时开放 1000个 试用名额, 免费开通试用' (Limited-time opening of 1000 trial名额, free trial opening), '个人效率助手' (Personal Efficiency Assistant) with a checkmark icon, 'AI 创作助手' (AI Creation Assistant) with a pen icon, and '企业知识助手' (Enterprise Knowledge Assistant) with a document icon.

There are too many extra functions, which require much more learning cost to thoroughly grasp the project management.

Their AI model is more like a personal assistant instead of team manager.

Related Work

Zoom AI Companion

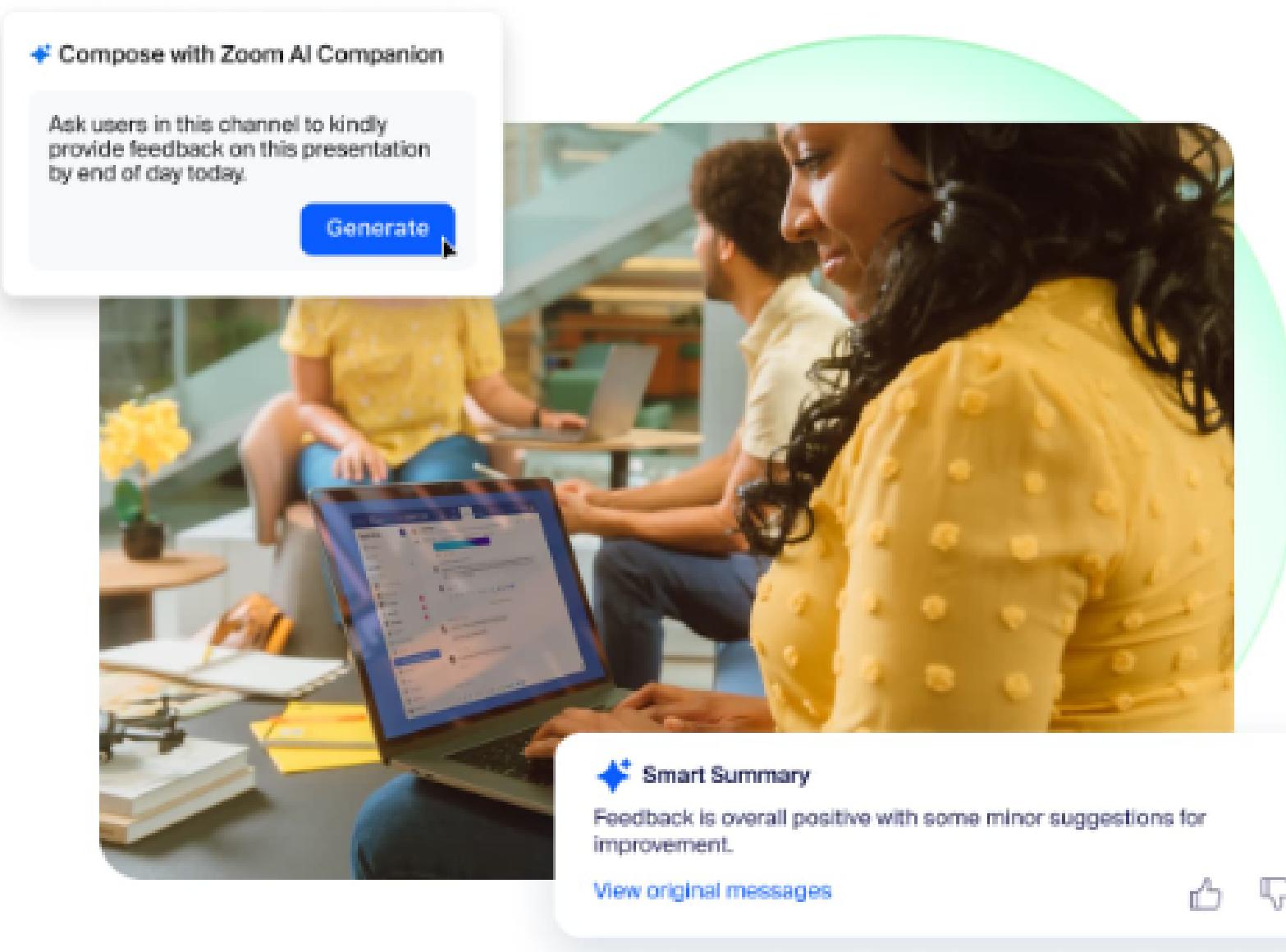


Meetings

- ✓ Meeting summaries.
- ✓ Chat with AI Companion and get **real-time responses** about meeting content during meetings.
- ✓ Smart Recording, AI Companion **divides meeting recordings** into chapters by topic.

Related Work

Zoom AI Companion

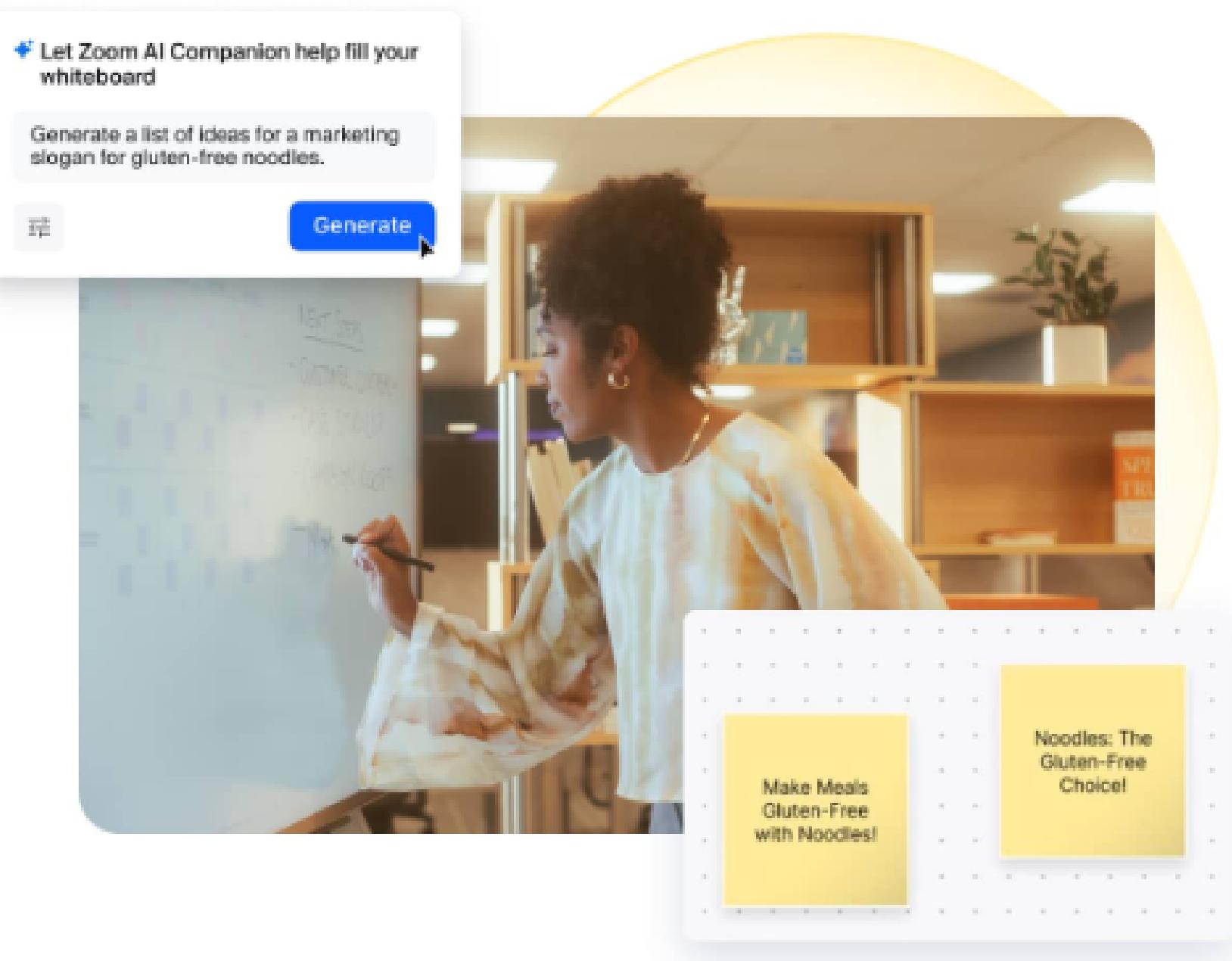


Team Chat

-  **Adjust the tone and length** of your message to give you confidence in what you're communicating.
-  **Summarize** the chat session
-  **Schedule** a meeting for you based on the conversation in Team Chat

Related Work

Zoom AI Companion



Whiteboard

- ✓ Generate discussion topics based on your prompts to **help kickstart brainstorming**
- ✓ Generate **mind maps and flowcharts** to organize brainstorming sessions

Related Work

Insights

1. 在多人合作领域，GPT缺少人格化的应用

When ChatGPT is applied in a team, it still perform as solo conversation.

2. 当前市场应用上存在难以客制化的缺陷

Meeting helper usually provide rough suggestions instead of suggestions within customization

3. GPT的在会议的应用上仍有很多可能

With the continuous development of technology, the application of GPT in conferences will become more intelligent and comprehensive.

Needs Finding

Structured Interview

Basic information

Team information (team collaboration frequency, project types, team size)

Team management (allocate tasks, supervise task progress, dynamically adjust)

Personal management (allocate multi-tasks, allocate time, balance work and life)

GPT Usage (purpose, frequency, effect)

GPT in team collaboration (how to assist, trust issue, considerations)

Design aspiration (function, platform, layout, scenario)

Needs Finding

Interview Result

8 college students (4 males, 4 females)

We interviewed eight college students from different universities, majoring in various STEM disciplines. They have all, to varying degrees, experienced unpleasant situations in team collaboration.

Basic information on collaboration

Group size: 2-5 people (except no.4, 11 people)

Frequency: 2-5 times/term (except no.6, 10 times)

Position: 5 (leader) - dynamic adjusted

Methods: offline meetings once a week



Needs Finding

Interview Result

INSIGHTS

Before collaboration, interviewees expect the function **assisting to find teammates.** (no.1, 3, 5, 8)

When a team has not yet been formed, finding reliable unfamiliar teammates has become the biggest problem. Many respondents admit that it is much more difficult to collaborate with strangers than with acquaintances.

Course expectations, Skill gaps, Low efficiency

Needs Finding

Interview Result

INSIGHTS

During collaboration, interviewees expect it to promote and showcase the **progress of other teammates.** (no.2, 3, 5, 6, 8)

It is a common occurrence for members to lose contact and not progress for a long time. Everyone's progress is inconsistent and team members are not motivated, which will lead to a weakening of team motivation.

Disappearance, Inconsistency, No initiative

Needs Finding

Interview Result

INSIGHTS

Interviewees showed their demands on **task refinement.**(no.1, 6, 7, 8)

Because the tasks of the class or project will be very abstract when they are published, because the topics are complex and unfamiliar, they need to be subdivided and concrete.

Complexity, Unfamiliarity, Low-efficiency

Needs Finding

Interview Result

INSIGHTS

Interviewees have project meetings at least once a week to check progress and to arrange tasks for the next stage.

The work patterns of the respondents can also bring inspiration to our projects. At the beginning of the project, everyone will get used to the form of weekly meetings to check the progress of the members and move forward.

Promotion, Organization, Alignment

Needs Finding

Interview Result

INSIGHTS

During collaboration, interviewees show **distrust** to

- AI dynamic tuning time. (no.2, 5, 6)
- AI mission allocation. (no.1, 6, 7, 8)

In addition, respondents showed a certain amount of distrust in some of the features of GPT project management. Our system only adjusts the task refinement, and the specific assignment is still adjusted and confirmed by the person.

Uncertainty, Distrust, Leadership

Needs Finding

Interview Result

CONCLUSION

Combining the functions of GPT, convening group meetings together is a good starting point, which can solve their needs for **macro task dismantling, association search and project management insights** during this time period.

Design Question

How Might We...

HMW develop a GPT-based group meeting assistant

FOR college students with frequent collaborations

So that we can help them to empower the group conference in an organized and efficient pace, as well as to obtain insights on project management.

Concept Video



但你的队友却不见踪影

Usage Scenario

► Online meeting website (available for offline)



Why online?

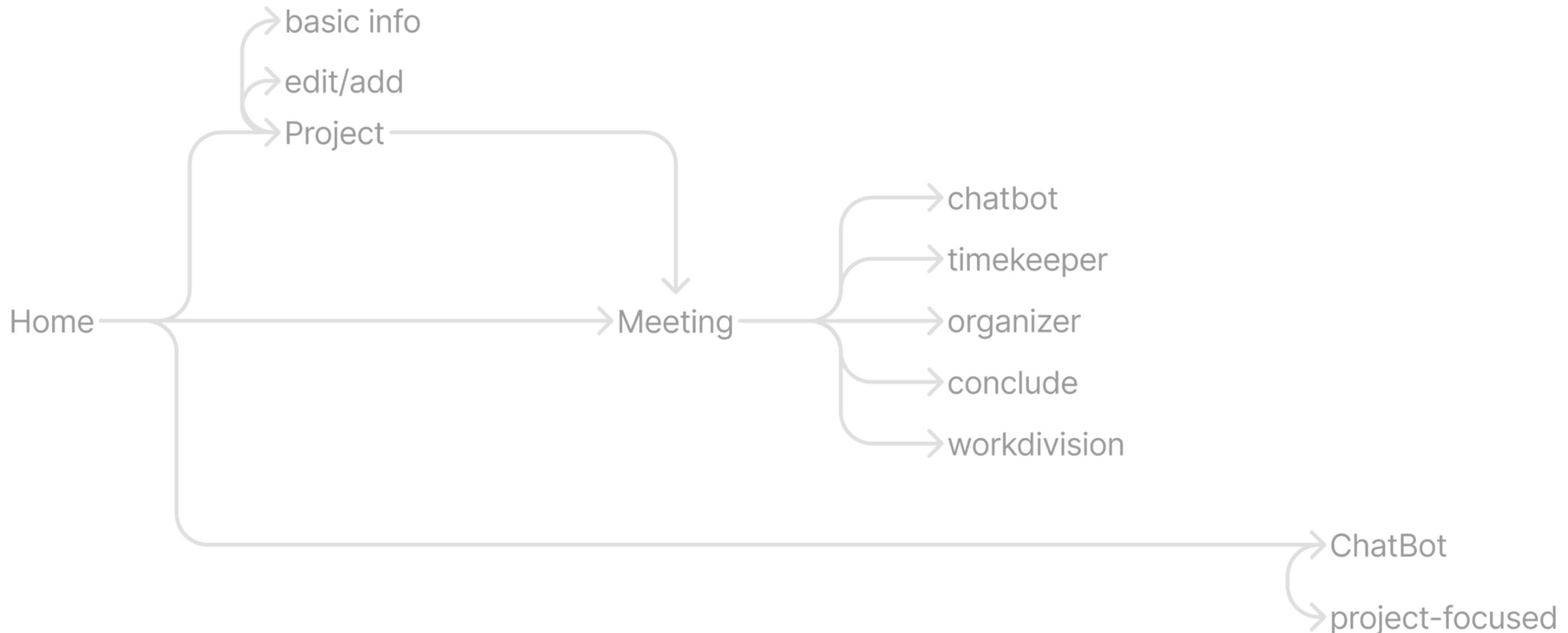
- Can hold both online and offline users
- It is normal to have a device when having offline meeting

Why website?

- Easy to share
- Don't need to download another app

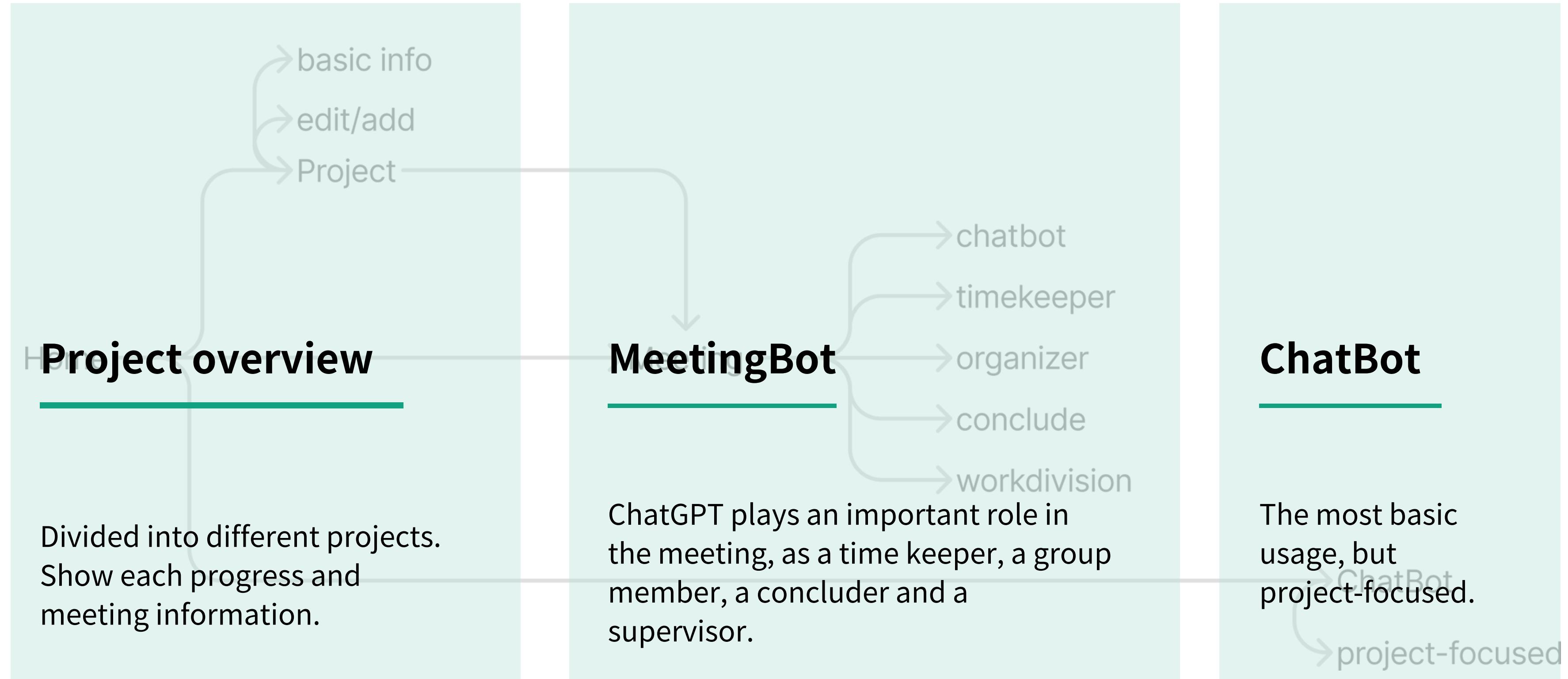
Overview

Conduct a series of project-focused meeting management



Overview

Conduct a series of project-focused meeting management



Design Prototype

Project overview

Hi BubbleKiller413! Ready for your HCI Weekly Catchup tonight?



HCI Weekly Catch up • 4
5/4 18:30
My task
Interview 2 users
Belongs to CS 160. A GPT Project Manager is what we are going to do, it include

[join](#)





MSD Mid-term



Lab Weekly Catch up

PBL HW4

New Project Meeting

Design Prototype

Meeting view

The prototype shows a meeting interface. On the left, there are icons for home, video, and a circular navigation menu. A sidebar lists participants: BubbleKiller413 (pink dot), aaaaaaaa (pink dot), bbbb (pink dot), cccccccc (orange circle), dddddd (orange circle), and xxxxx (grey circle). The main area has a large orange background for 'Phase 2'. At the top, three cards are shown: one orange card labeled 'Phase 2' and two grey cards labeled 'aaaaaaaa' and 'bbbb'. Below this, the text 'Phase 2 10min' and 'Sorting Demands' is displayed. A note says: 'According to your individual research results, discuss the commonalities and differences, sort out a system requirements document.' There are navigation arrows (< and >) at the bottom right. A chat box on the right contains messages: 'Hey guyyyy~' and 'hi katie'.

Participants

- BubbleKiller413 ●
- aaaaaaa ●
- bbbb ●
- ccccccc ○
- dddccc ○
- xxxxx

ChatBox

- Hey guyyyy~
- hi katie

Design Prototype

Meeting view

The prototype illustrates a meeting view interface. On the left, there are three circular icons: a house (Home), a video camera (Video), and a knot (Collaboration). To the right, a large blue rectangular area contains a "Review" slide with the text "aaaaaaa" and "bbbb". Below this, a main content area has a title "Review" and a descriptive paragraph: "At this meeting, everyone reported their research progress, sorted out the needs and analyzed the pain points, and prepared the content for the next report." A "refresh" icon is next to the paragraph. Below the paragraph, there are three categories: "Slides Preparing" (with three small circles), "Slides Refining" (with a description and two small circles), and "Present" (with one small circle). At the bottom of this area is a "More Meeting Information" button. A navigation bar at the very bottom includes icons for file operations (Up, Download, Microphone, Phone, Video, Gear).

Participants

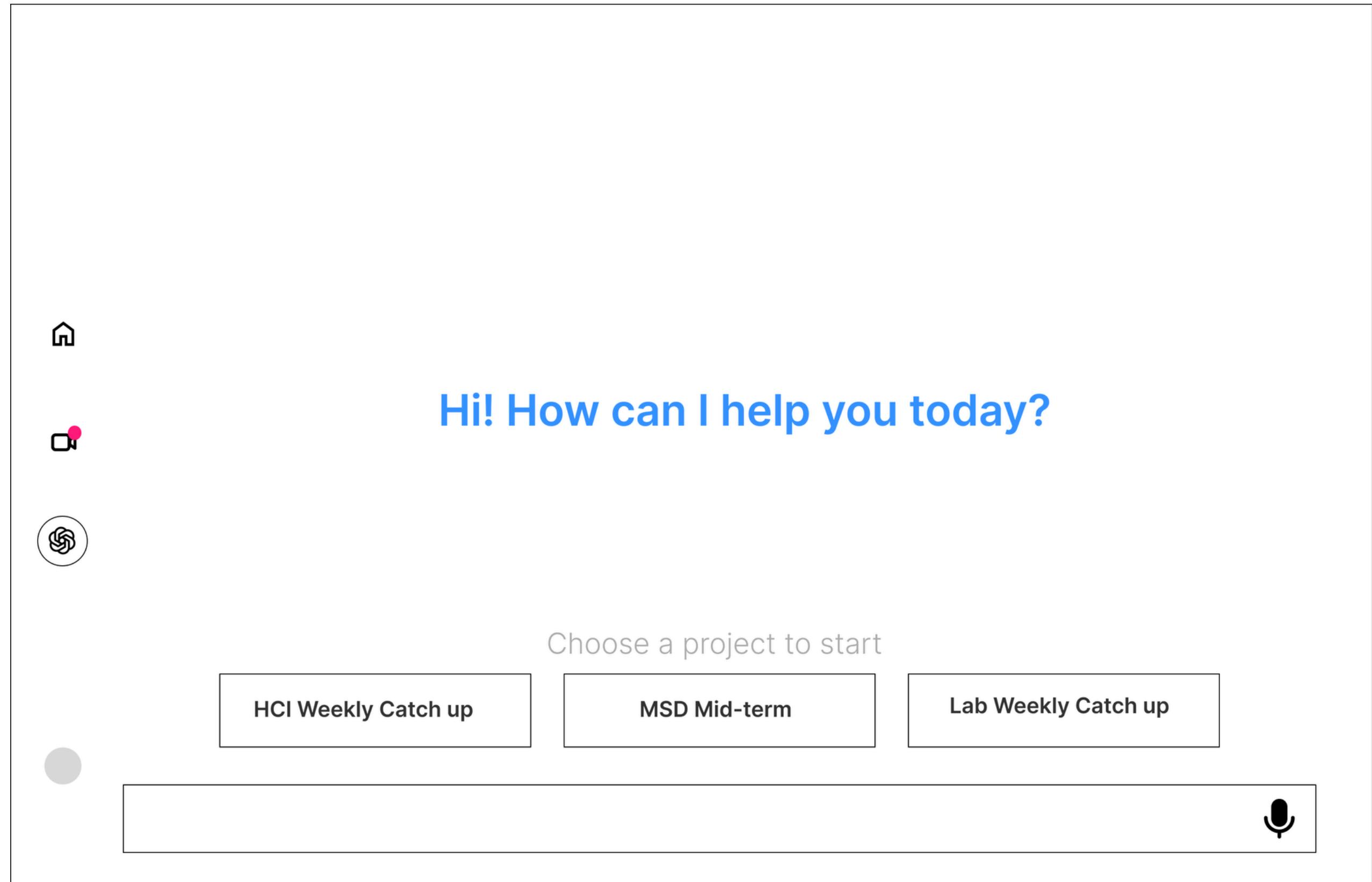
- BubbleKiller413 ●
- aaaaaaa ●
- bbbb ●
- ccccccc ○
- ddddd ○
- xxxxx

ChatBox

- @Bot Please tell us what is the Gestalt principle? (grey circle)
- Gestalt psychology is all about how our brains perceive patterns and structures in the world around us. It's like when you look at a bunch of random shapes, but your brain puts them together to form something meaningful. (grey circle)
- @Bot Combine the content preparing and slides making together (grey circle)
- Got it. Done! (grey circle)

Design Prototype

Chatbot



Heuristic Evaluation

Structure

2 Phases:

Phase 1——Self-Exploration

- Introduce our topic and main task to the evaluators.
- Evaluators go through the figma demo on their own without any instructions.

Phase 2——Design Discussion

- We explain our design intentions and secrets to them.
- Discuss the heuristic issues.



Heuristic Evaluation

Nielsen's heuristics

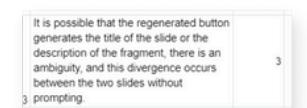
Nielsen's heuristics			
	Problem	Severity Rating	备注
1 Consistency	系统状态的可见性	Visibility of System Status	It's not clear what chatbox can do, whether it's just Q&A or whether it can generate new interfaces based on ideas OR summarize them.
2 Mapping	系统与现实世界的匹配	Match Between the System and the Real World	There are some recognition issues with the design of some of the icons, for example the hangup button icon doesn't feel like it's hanging up.
3 Minimalism (美观和简洁设计)	用户控制和自由	User Control and Freedom	The layout of some buttons may have to be changed to avoid accidental touches. Or a secondary confirmation.
4 Freedom	一致性与标准	Consistency and Standards	The progress management of the project for each time period is too simple, you can consider a notion-like way to turn into a single task, and hit the tag.
5 Flexibility (灵活性)	错误预防	Error Prevention	The generation of different phases is too redundant, if the meaning of the phase can't be confirmed in the MENU, it won't be kept, while the explanation of the phase doesn't make much sense.
6 Recognition (识别大于回忆)	识别而不是回忆	Recognition Rather than Recall	What should be done or phase is to summarize. Also there is no need to put the private chatbox outside the whole meeting, instead it can be put in the same place as the public one, with a small button to switch between them.
7 Visibility (视觉可见性)	使用的灵活性和效率	Flexibility and Efficiency of Use	The generator of different phases is too redundant, if the meaning of the phase can't be confirmed in the MENU, it won't be kept, while the explanation of the phase doesn't make much sense.
8 Error Prevention	美学和简约设计	Aesthetic and Minimalist Design	What should be done or phase is to summarize. Also there is no need to put the private chatbox outside the whole meeting, instead it can be put in the same place as the public one, with a small button to switch between them.
9 Error Recovery	帮助用户识别、诊断错误并从错误中恢复 ze, Diagnose, and Recover from Errors	Help and Documentation	It feels like it could give some brief hints on how to operate the interface, it's still a bit of a challenge to get used to it.
10 Help	帮助和文档	Help and Documentation	It feels like it could give some brief hints on how to operate the interface, it's still a bit of a challenge to get used to it.

Original Feedback

对第3组的评价：
感觉使用这个工具需要学习，有的部分缺乏引导，may需要增加一些
使用中的不舒适。GPT可能没有最大化发挥作用。

Nielsen's heuristics					
	Prototype group 1	Prototype Group 1	Prototype Group 3		
	Problem	Severity	Problem	Severity	
系统状态的可见性	Visibility of System Status				
系统与现实世界的匹配	Match Between the System and the Real World	1. The left side is divided into three system states, so after entering the meeting, the user needs to switch to the right side to view the progress. This is inconvenient. 2. The recognition of meanings on a button depends on the meaning of the icon, so private GPT must be switched to the GPT interface to use, so it is difficult to use.	3	1. The static expression lacks dynamics, so that the receiver can't recognize the emotions of characters better if they are based on tone recognition rather than text matching, but static animal expressions are not as accurate as emoji in depicting the emotions of characters in this prototype. 2. It is possible that the regenerated button generates the title of the slide or the description of the fragment, there is an ambiguity, and this divergence occurs between the two slides without prompting.	4
用户控制和自由	User Control and Freedom				
一致性与标准	Consistency and Standards	1. If users want to avoid disclosure of GPT content, users need to be in a separate interface, which increases the cost of using for users. 2. It is possible that the regenerated button generates the title of the slide or the description of the fragment, there is an ambiguity, and this divergence occurs between the two slides without prompting.	4	1. Static animal expressions add animal features to static animal emoji, which are added as distractions to the audience's focus on the content of the message. 2. Icons for converting to emoji and converting to static animal emoji are very similar and difficult to recognize, which may lead to misuse.	4
错误预防	Error Prevention				
识别而不是回忆	Recognition Rather than Recall				
使用的灵活性和效率	Flexibility and Efficiency of Use				
美学和简约设计	Aesthetic and Minimalist Design				
帮助用户识别、诊断错误并从错误中恢复 ze, Diagnose, and Recover from Errors	Help and Documentation	1. A new feature notice or related documentation may need to be popped up before a user can possibly use a static animal emoji for the first time. 2. Floating dialog boxes can be added to the main interactive elements at user entry to tell the user what they do.	3	1. GPT is not obvious in project planning and daily task management; it is only used to summarize meetings and issue initiatives, and cannot achieve the expected effect on task management. 2. The project details interface lacks a summary of the results of previous meetings, and the UI should be reorganized to highlight the project process and task arrangements. 3. There are some recognition problems in the design of some icons, for example, the icon of the hang up button doesn't feel like hanging up, it is suggested to replace some icons that are more in line with the public's cognition and add a second confirmation to minimize the mis-touching. 4. Now the private chatbox is placed outside the whole meeting, and you need to switch the interface to use it. It is suggested to put it in the same position with the public chatbox, and switch it through small buttons to improve the efficiency of using it.	3
帮助和文档	Help and Documentation				

Consistency



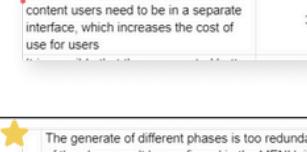
Mapping



Minimalism



Freedom



Flexibility



Recognition



Visibility



Error Prevention



Error Recovery



Help



Organized Feedback

Heuristic Evaluation

Nielsen's heuristics

Consistency & Minimalism & Visibility

Visual



有点...分不清主次



	It's not clear what chatbox can do, whether it's just Q&A or whether it can generate new interfaces based on ideas OR summarize them.	2
3	It is possible that the regenerated button generates the title of the slide or the description of the fragment, there is an ambiguity, and this divergence occurs between the two slides without prompting.	3

INSIGHTS

Improve the overview.

Make full use of gpt in the meeting.

Heuristic Evaluation

Nielsen's heuristics

Freedom & Flexibility & Help

User usage habit

?	If user want to avoid disclosure of GPT content users need to be in a separate interface, which increases the cost of use for users.	3	the GPT interface to use, so it is difficult	4
?	Public GPT content generation should be made public, but page flipping and browsing operations should be made private.	4		
?	GPT auxiliary no longer appears in the full link, and auxiliary generation should also be added to created projects and meetings. Public GPT has restrictions on simultaneous use. Personal GPT needs to exit the meeting and go to other pages, which will affect efficiency.	2	The meeting arrangement is not intuitive enough on the timeline	2
?	Floating dialog boxes can be added to the main interactive elements at user 2 entry to tell the user what they do.	3		
??	The instructions that GPT can complete are unclear, and a description of functional boundaries is needed.	3	不知道代表什么，没有引导	3
??	Some brief hints on how to operate the interface, it's still a bit of a challenge to get used to it.	2		
??	1. Add documentation to 2. Provide an introduction to the meeting ChatBot, highlighting its unique features and advantages in project management	3		

INSIGHTS

Maybe combine the private and public chatbox together.

Add more instructions and help icons.

Heuristic Evaluation

Nielsen's heuristics

Recognition & Mapping

User cognition

爱心	星星	问题	严重性
	提醒快没时间了	在会议过程中，缺少一个计时器，展示会议进程	4
The progress management of the project for each time period is too simple, you can consider a notion-like way to turn into a single task, and hit the tag.			
	心	The project management page does not highlight key information (such as current progress, next step task ddl).	3
The content of GPT is very divided from the conference			
星星		There are some recognition issues with the design of some of the icons, for example the hangup button icon doesn't feel like it's hanging up.	2
部分UI，例如挂断按键的表意不明			
	星星	The conference hanging up button icon does not match the commonly used icons in the real world, which can easily cause ambiguity.	4
3 The recognition of meanings on a button depends entirely on the icon, bu			

INSIGHTS

Add a timer.

Highlight more information about the meeting.

Change into more reasonable icons.

Heuristic Evaluation

Nielsen's heuristics

Error Prevention & Error Recovery

About Error

 退出会议应该有个确认框吧	2	Chatbots should incorporate reasonable interruptions and withdrawals	3
The layout of some buttons may have to be changed to avoid accidental touches. Or a secondary confirmation.			3

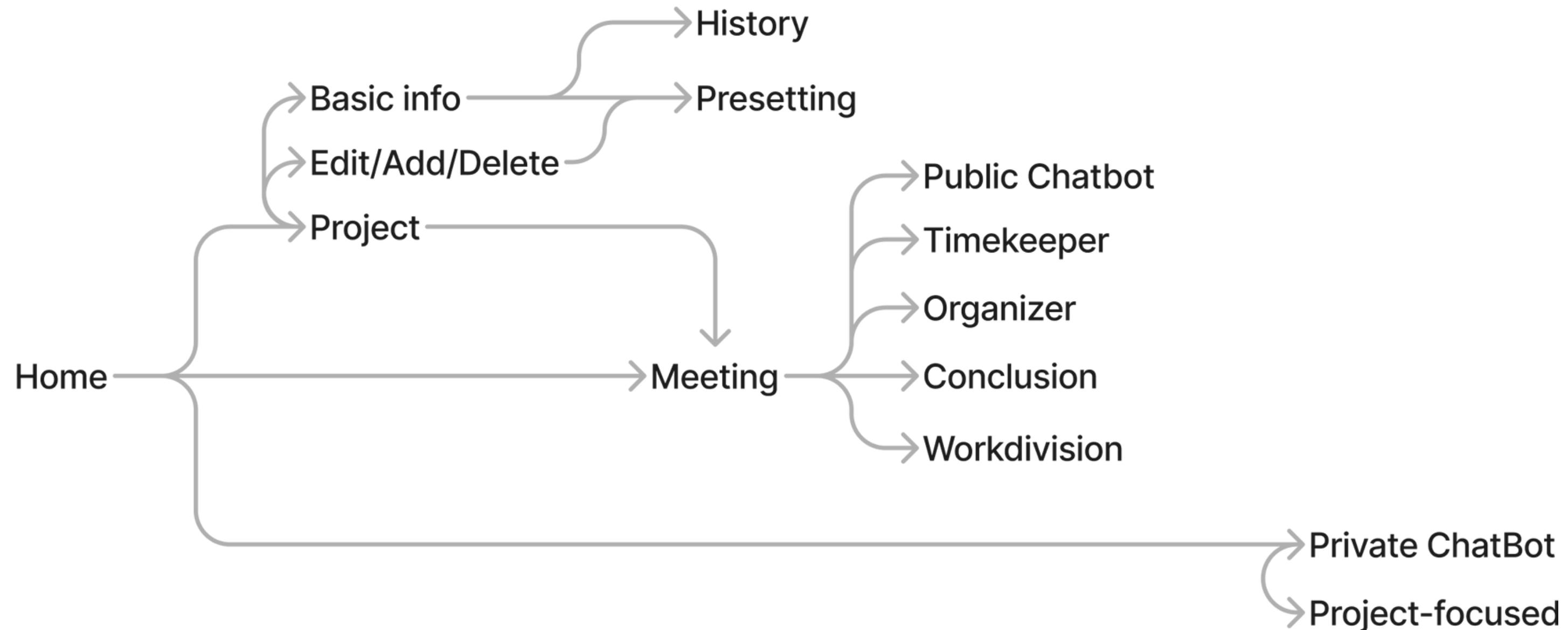
 The login interface can discuss more details, such as incorrect or empty password or account input, and provide error feedback	2	part of	
 the meeting interface, which is very close to the control buttons for the on/off microphone and on/off camera, making it easy to accidentally touch and exit the meeting. 2. The distinction between public and private GPTs is not clear			4

INSIGHTS

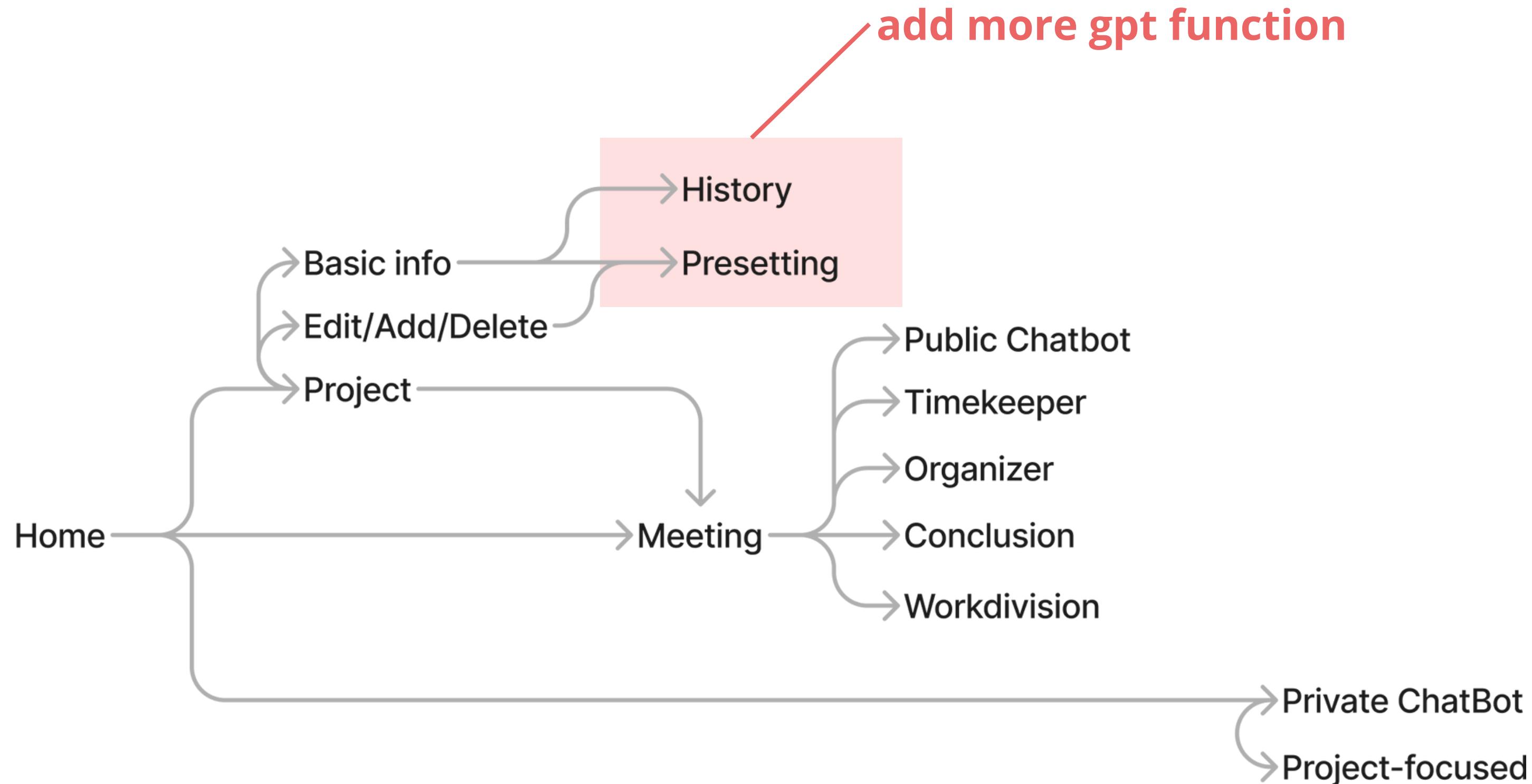
Add more secondary confirmations.

Add more details to the log-in interface.

Final Design



Final Design

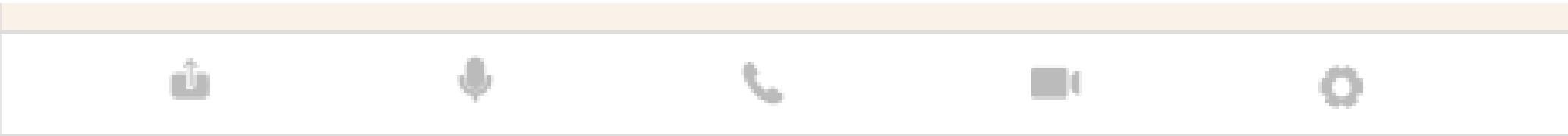


Final Design

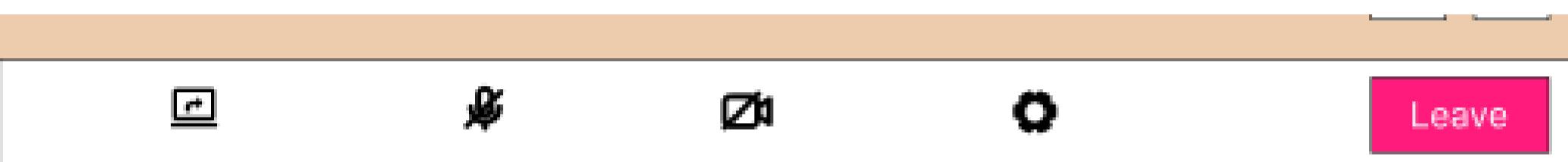
Meeting View

**make the icons
more reasonable**

Before



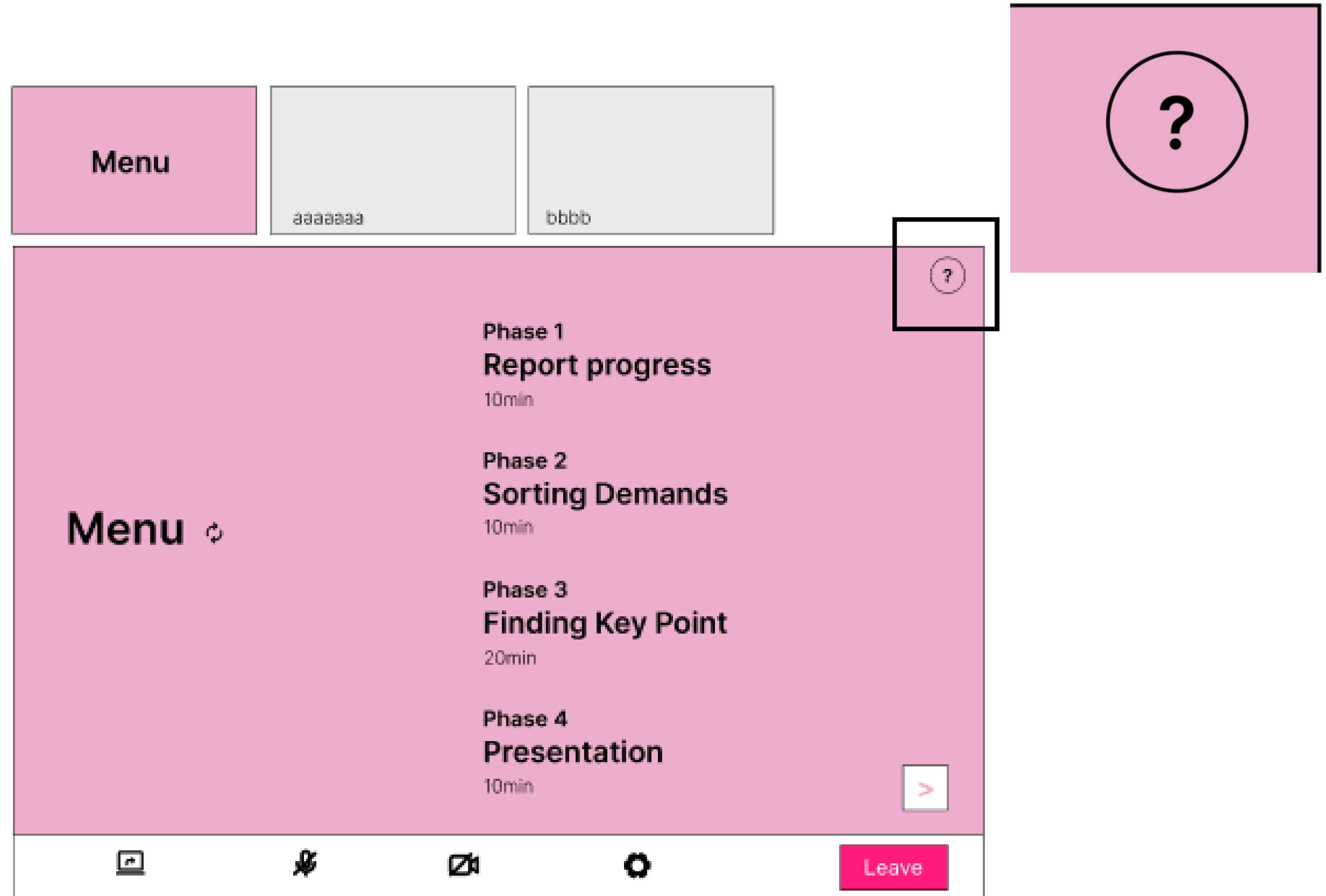
After



Final Design

Meeting View

help



Final Design

Meeting View

second
confirmation

The screenshot shows a meeting interface with the following elements:

- Participants:** A list on the right side showing six participants: BubbleKiller413 (pink dot), aaaaaaaa (pink dot), bbbb (pink dot), cccccccc (pink outline), dddddd (pink outline), and xxxxx.
- Phase 2:** A large orange box at the top labeled "Phase 2". Inside are three smaller boxes: one light orange containing "aaaaaaaa" and two light gray containing "bbbb".
- Timer:** "x 5:23 remain" in the top left of the orange phase area.
- Help:** A question mark icon in the top right of the orange phase area.
- Icons:** On the left, there are icons for Home (house), Camera (video camera), and Chat (speech bubble).
- Content Area:** An orange box containing:
 - Phase 2 10min**
 - Sorting Demand**
 - A text box: "According to your individual re... discuss the commonalities an... a system requirements docum..." followed by a red "Leave" button and a gray "Cancel" button.
 - Navigation arrows (< and >) at the bottom right.
- Bottom Bar:** A white bar with icons for video, microphone, camera, and settings, followed by a pink "Leave" button.
- ChatBox:** A sidebar on the right with messages: "Hey guysss~" and "hi katie".

Final Design

Meeting View

timer
(can close/edit)

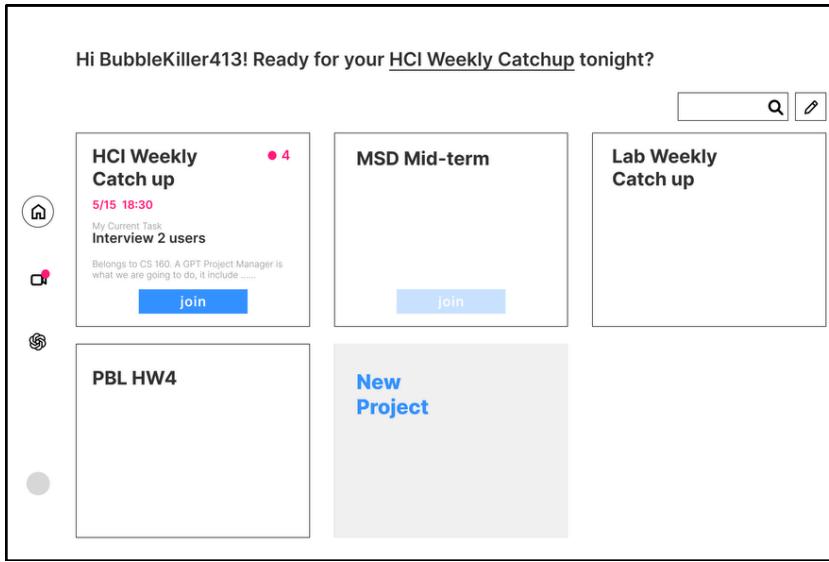
The screenshot shows a meeting interface with the following elements:

- Participants:** A list of participants on the right side, each represented by a gray circle with a name and a pink dot (status).
 - BubbleKiller413 (pink dot)
 - aaaaaaaa (pink dot)
 - bbbb (pink dot)
 - cccccccc (white circle)
 - dddddd (white circle)
 - xxxxx (white circle)
- ChatBox:** A sidebar on the right containing messages:
 - Hey guysss~
 - hi katie
- Meeting View:** The main area shows a timer at the top left (5:23 remain), followed by a large orange box containing the meeting agenda.
 - Phase 2 10min**
 - Sorting Demand**
 - According to your individual re
 - discuss the commonalities an
 - a system requirements documA small "Leave" button is located in the bottom right corner of this box.
- Timer:** A floating timer at the bottom left shows 5:23 remain.
- Control Bar:** At the very bottom, there is a control bar with icons for video, audio, microphone, camera, and settings, along with a prominent "Leave" button.

Final Design

Project Management

All meetings can
be accessed in
Project view.



HCI Weekly Catch up

From 2024.03 to 2024.06

Precise STEM

Team Member

Description

Project Current Task

My Current Task

New Meeting

5/20 Friday,18:00

5/15 Thursday,18:00 • 4

5/5 Monday 18:00

5/1 Friday 18:00

Team Member

Belongs to CS 160. A GPT Project Manager is what we are going to do, it includes several tasks. Belongs to CS 160. A GPT Project Manager is what we are going to do, it includes several tasks. Belongs to CS 160. A GPT Project Manager is what we are going to do, it includes several tasks.

Description

Belongs to CS 160. A GPT Project Manager is what we are going to do, it includes several tasks. Belongs to CS 160. A GPT Project Manager is what we are going to do, it includes several tasks. Belongs to CS 160. A GPT Project Manager is what we are going to do, it includes several tasks.

Project Current Task

Finish the research phase and find the pain points

My Current Task

Interview 2 users

Finish the research phase and find the pain points. Finish the research phase and find the pain points. Finish the research phase and find the pain points

New Meeting

5/20 Friday,18:00

Join

5/15 Thursday,18:00 • 4

Join

5/5 Monday 18:00

Manager is what we are going to do, it includes several Manager is what we are going to do, it includes several Manager is what Manager is what

5/1 Friday 18:00

Manager is what we are going to do, it includes several Manager is what we are going to do, it includes several Manager is what

Final Design

Project Management

Use tags to prompt.

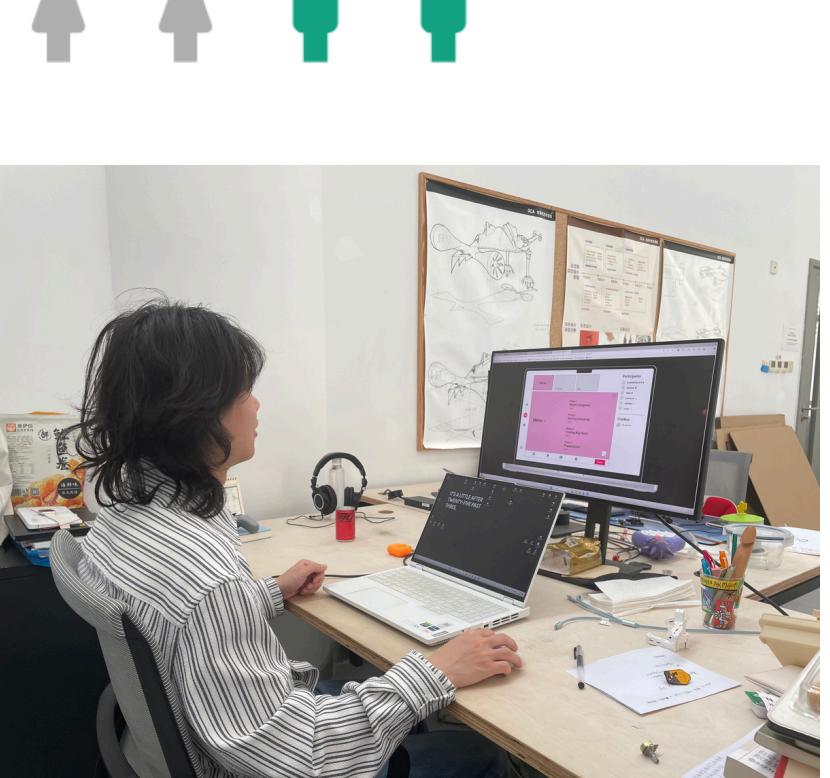
The interface consists of several input fields and buttons:

- New Project** button with a back arrow icon.
- From [] to []** fields for specifying project scope.
- ?** button in the top right corner.
- Team Member** field with a plus sign (+) icon.
- Description** text area.
- Project Current Task** field with a lock icon.
- My Current Task** field with a knot icon.
- GPT character** section with three buttons: Precise, Balanced, and Creative.
- Property** section with four buttons: STEM, Design, Literature, and a plus sign (+).
- Confirm** button in the bottom right corner.

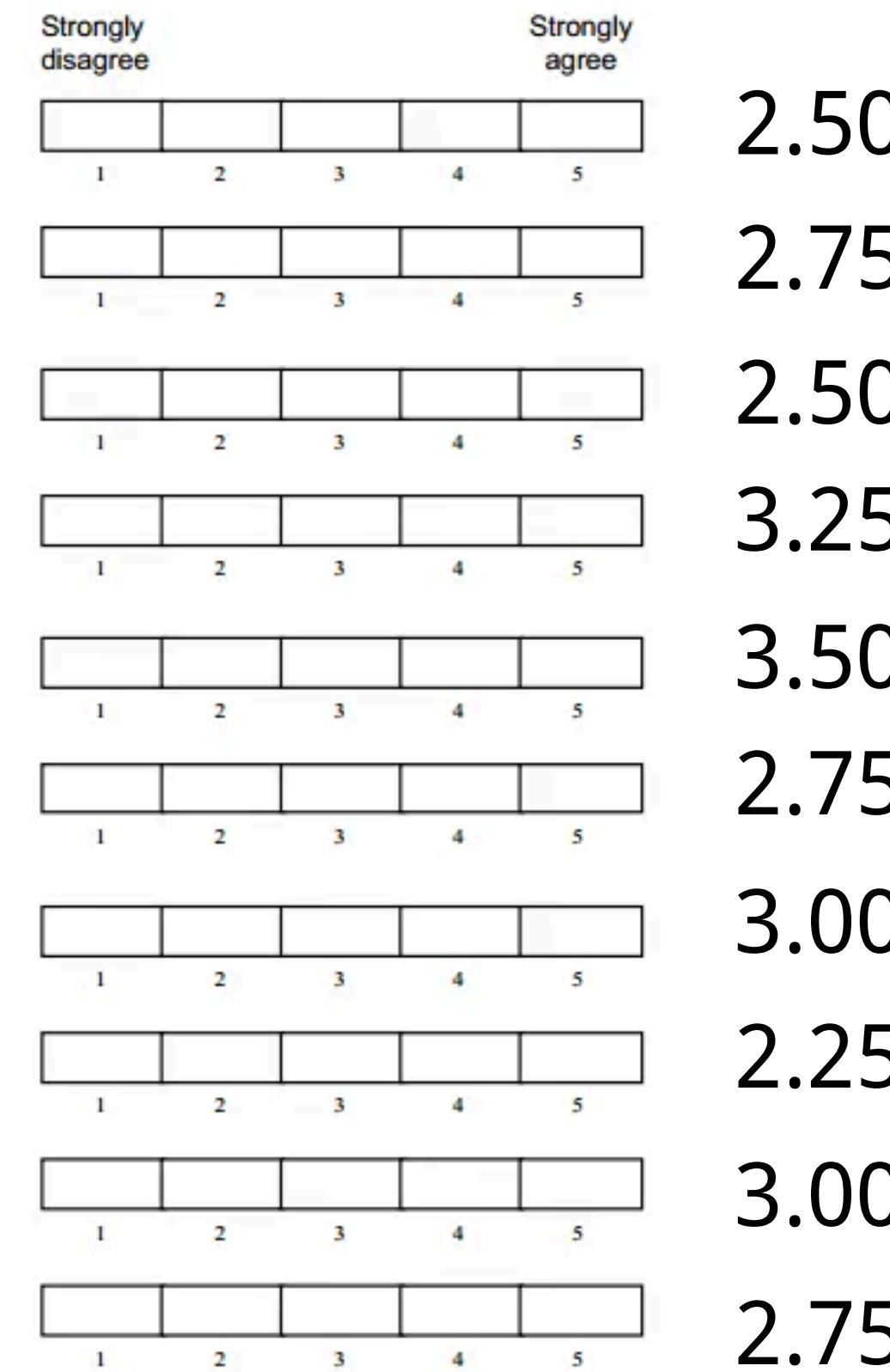
Evaluation

SUS (System Usability Scale)

Former System



1. I think that I would like to use this system frequently
2. I found the system unnecessarily complex
3. I thought the system was easy to use
4. I think that I would need the support of a technical person to be able to use this system
5. I found the various functions in this system were well integrated
6. I thought there was too much inconsistency in this system
7. I would imagine that most people would learn to use this system very quickly
8. I found the system very cumbersome to use
9. I felt very confident using the system
10. I needed to learn a lot of things before I could get going with this system



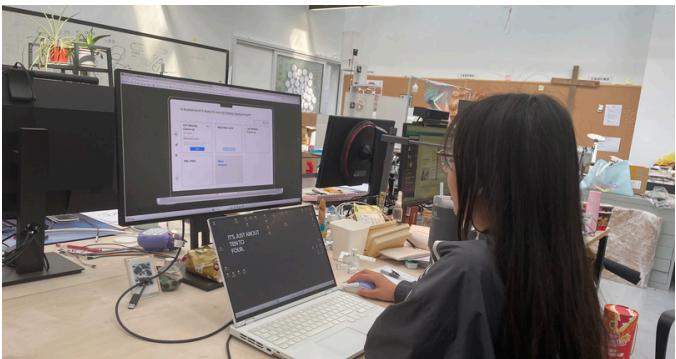
Score:

► 70.625

Evaluation

SUS (System Usability Scale)

Current System



1. I think that I would like to use this system frequently
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8. I found the system very cumbersome to use
9. I felt very confident using the system
10. I needed to learn a lot of things before I could get going with this system

	Strongly disagree	1	2	3	4	5	Strongly agree		
1. I think that I would like to use this system frequently							2.50	3.00	
2. I found the system unnecessarily complex							2.75	3.00	
3. I thought the system was easy to use							2.50	3.75	
4. I think that I would need the support of a technical person to be able to use this system							3.25	3.25	
5. I found the various functions in this system were well integrated							3.50	3.25	
6. I thought there was too much inconsistency in this system							2.75	3.00	
7. I would imagine that most people would learn to use this system very quickly							3.00	3.25	
8. I found the system very cumbersome to use							2.25	2.75	
9. I felt very confident using the system							3.00	3.00	
10. I needed to learn a lot of things before I could get going with this system							2.75	3.25	

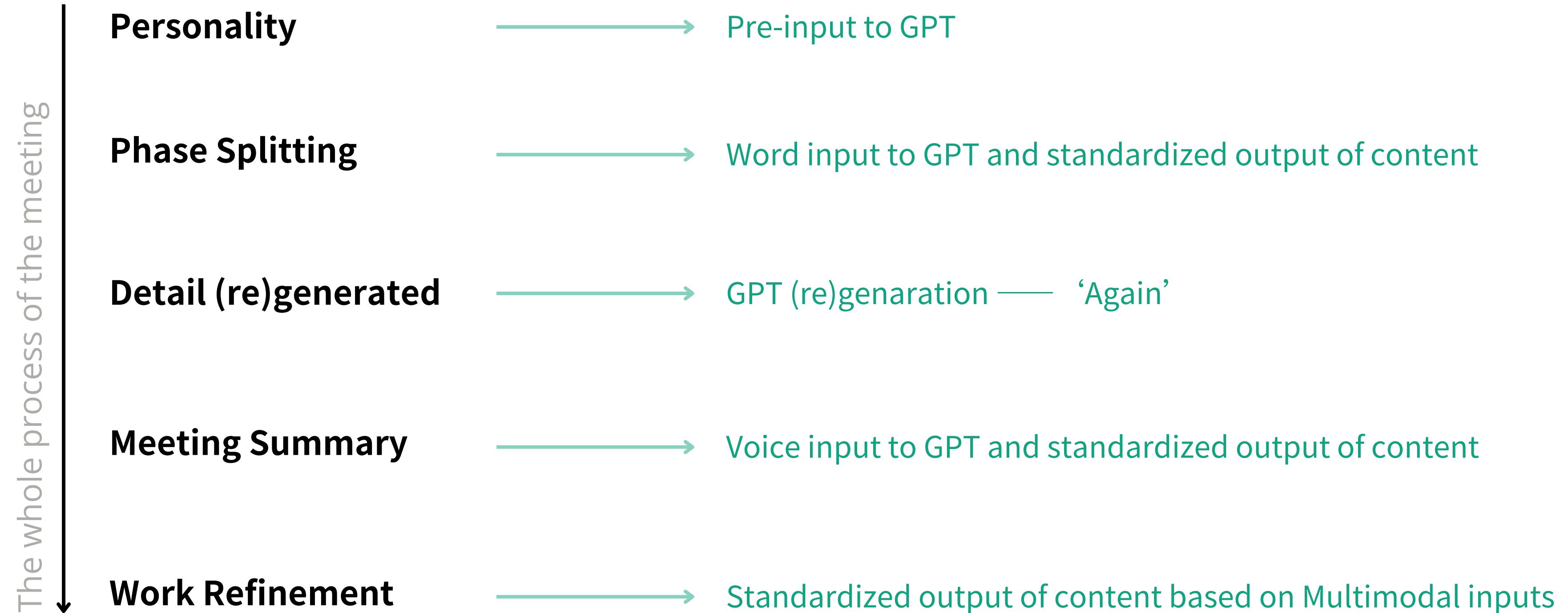
Score:

► 78.75

Demo

Techniques

Prompt Engineering



Discussion

Limitations

1. 缺乏在正式的会议场景中评估产品的有效性

Limited time and effort on the final evaluations.

2. 难以实时显示会议的内容

The related and real-time content of the meeting cannot be showed as the same time people are talking.

3. 产品的体量庞大，学习成本较高

It is not developed on a current software. Instead, it is a new website application with many new functions.

Discussion

Future Plan

Personality

Phase Splitting

Detail (re)generated

Meeting Summary

Work Refinement

Personality Development

Dynamically adjust AI personality to improve the team work

Targeted Optimization

Utilize AI knowledge to become a expert in the field

Video Input

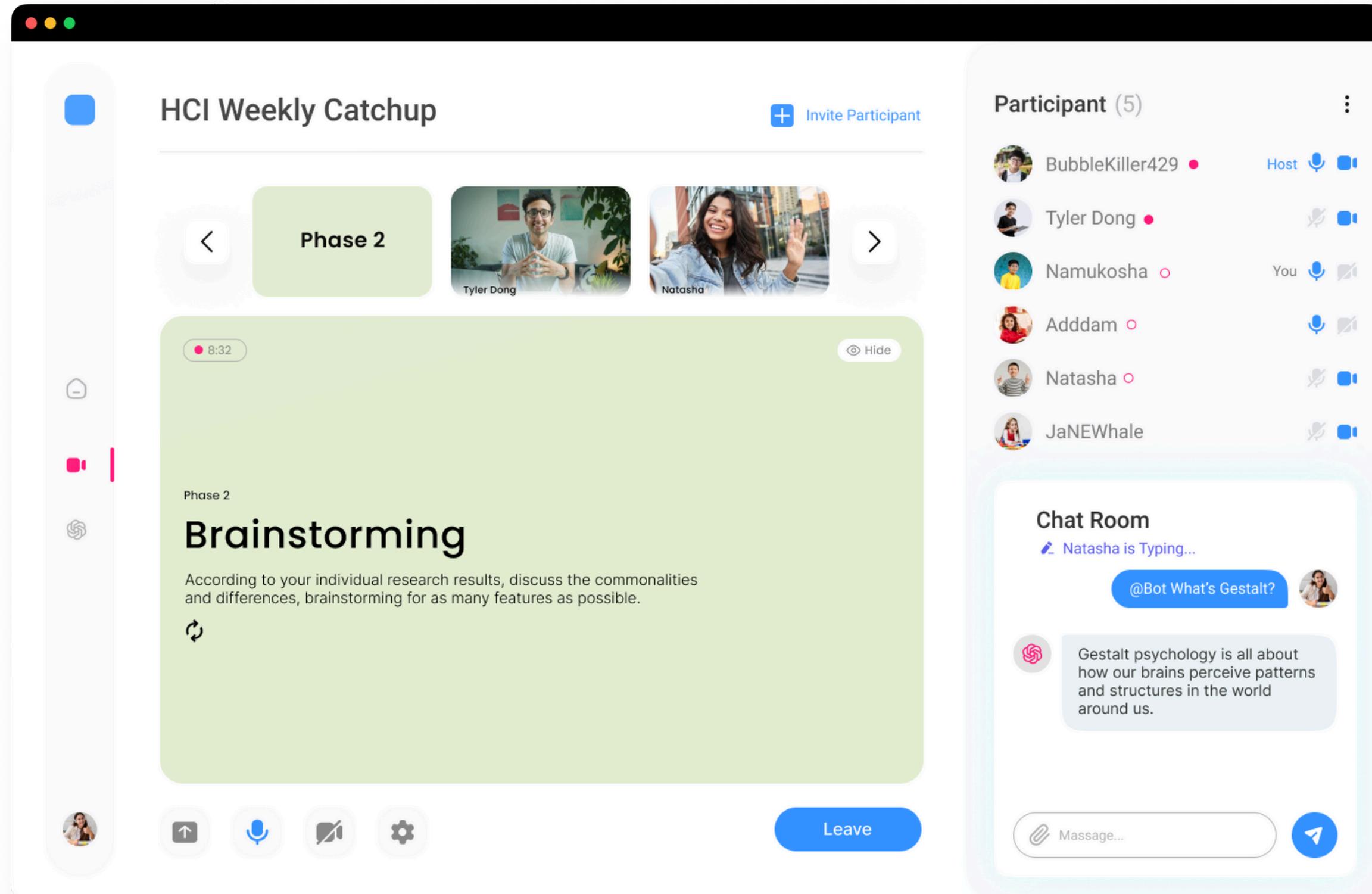
Utilize GPT-4o's great power to analyze the content from the shared screen

形成大学生团队合作工具的闭环!

Form a real closed loop of college
student collaboration tools!

Discussion

High-fidelity UI



Reflection

How we collaborate?

1. 系统设计过于庞大，在技术上中无法一一实现

Too much for a course and hard to match well in the technology part.

2. 技术方面，会存在代码对接的问题

During the development process, the code was not managed on GitHub, and everyone had to spend more time integrating after writing their own parts

Labor Division

How we collaborate?

吴瑜青	Overall Planning, Structured Interview, Insights Conclusion, PPT	7
史文佳	UI Design, Structured Interview, Heuristic Evaluation, PPT	7
刁研	RW, Structured Interview, Front-end and Back-end engineering	7
任超尔	RW, Structured Interview, Front-end engineering	6
沈毅骏	RW, Structured Interview, Back-end engineering, Video	7

Q & A Time

Team 03