

Portoflio

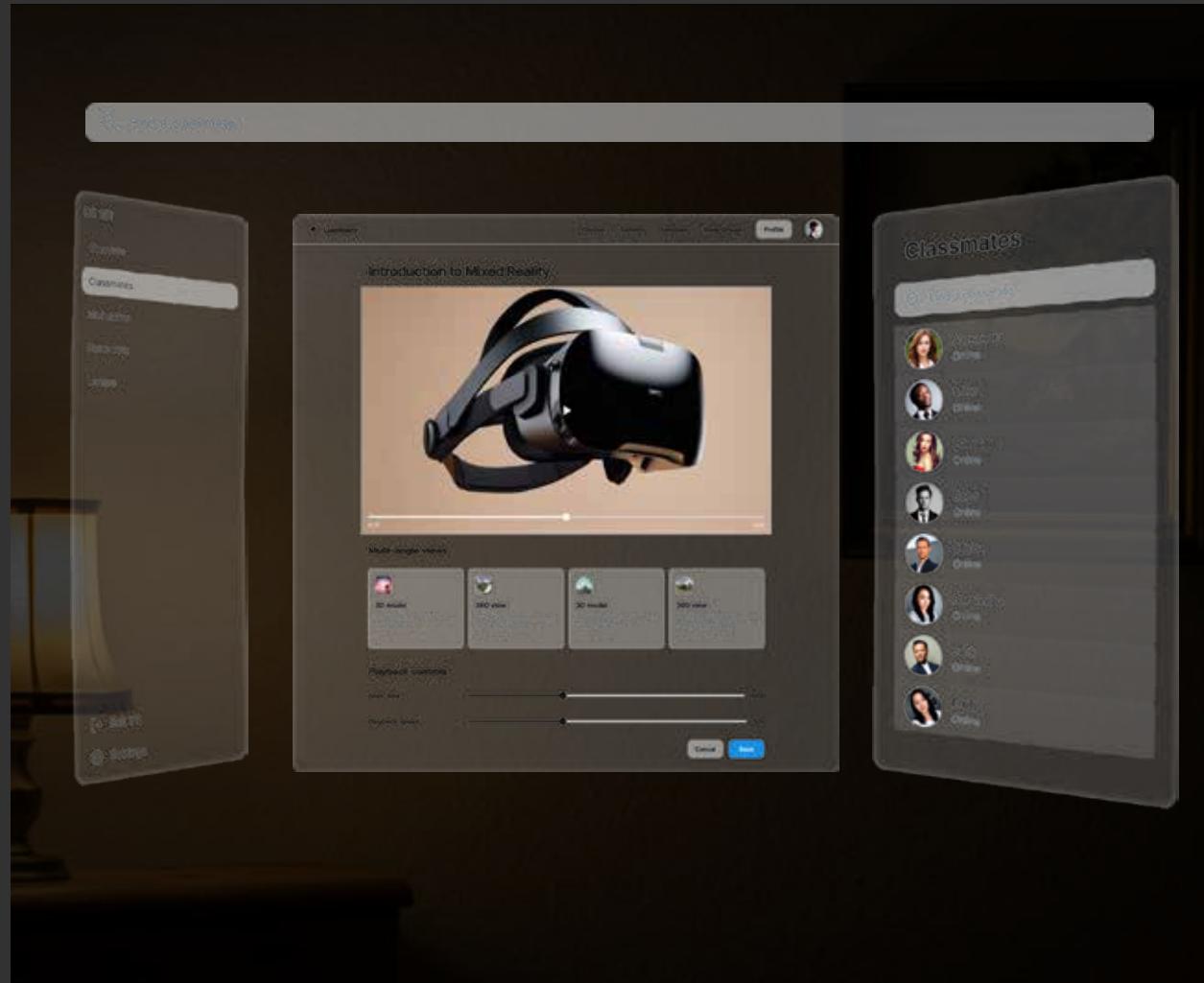
精简版

Kaicheng Wu

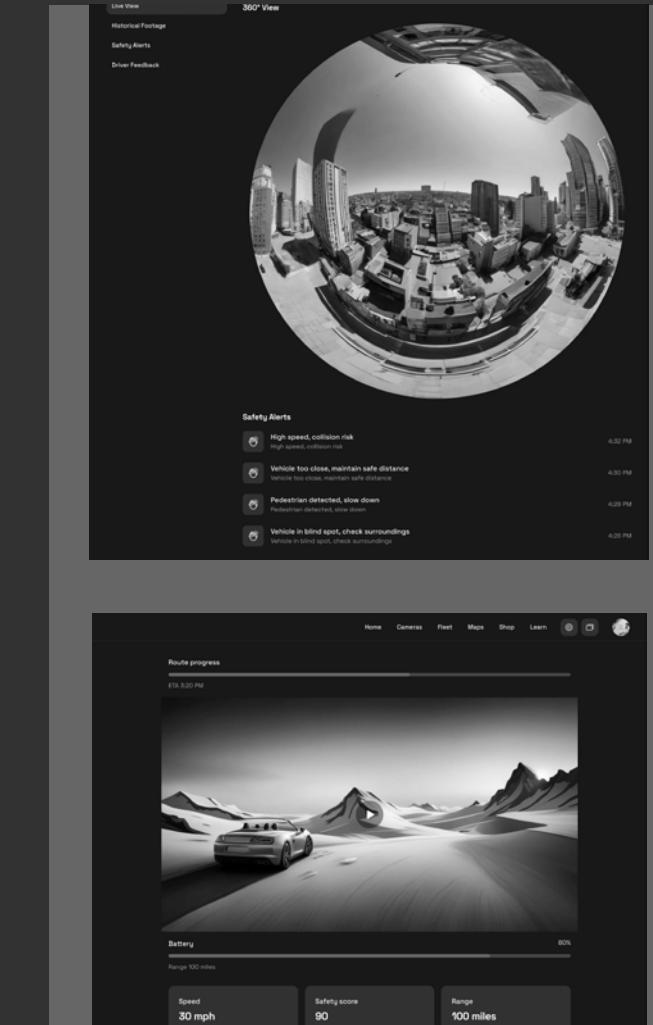
University of the Arts London

交互设计/人机交互/数据分析

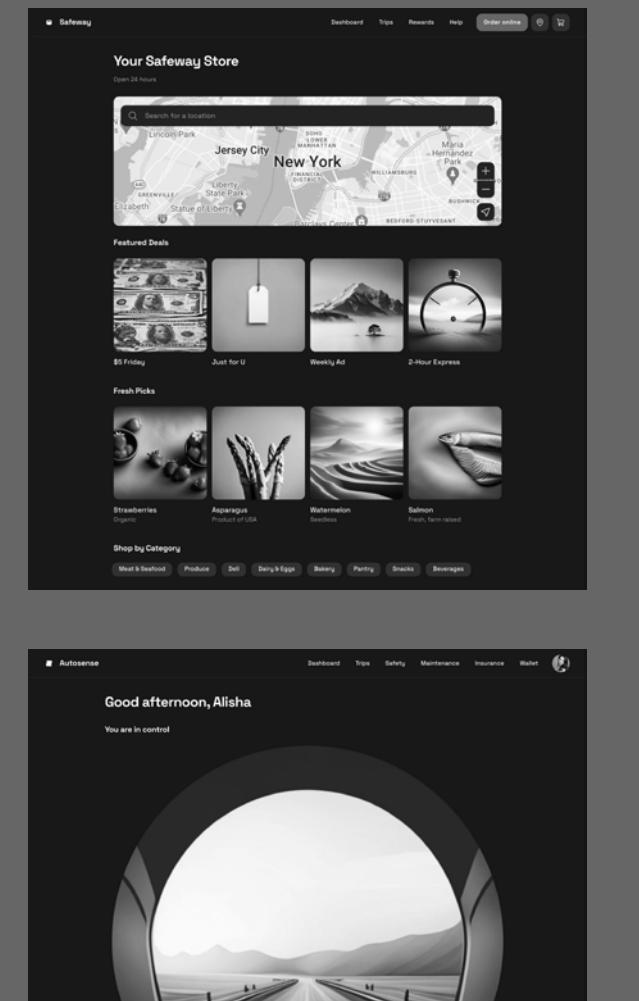
Overview



1. WonderClass
MR虚拟学习项目



2. CoPilot360
智能驾驶辅助项目





3. Jade Talker

植物产品交互项目

4. Do

社交插件项目



5. Bye

服务设计项目





6. MetaEgo
投影装置项目

THE WIND RISES

Keywords | Control, Interpersonal Relationships, Dandelion, Love, Set Free
 Media | Interactive Video Installation
 Team Project | 2021.10.15-2021.11.20

Theme

My mother did her best to enrich me materially. But at the same time, she also exercised strict control over me mentally, and in the process of submitting to her, I found myself slowly becoming another her.

This kind of "Control in the Name of Love" may exist in the interpersonal relationships, whether they are leader-member relations, couples, or friends.

Some people are aware of the problem but don't know how to change it; others become numb through endurance and choose not to act.

Aim

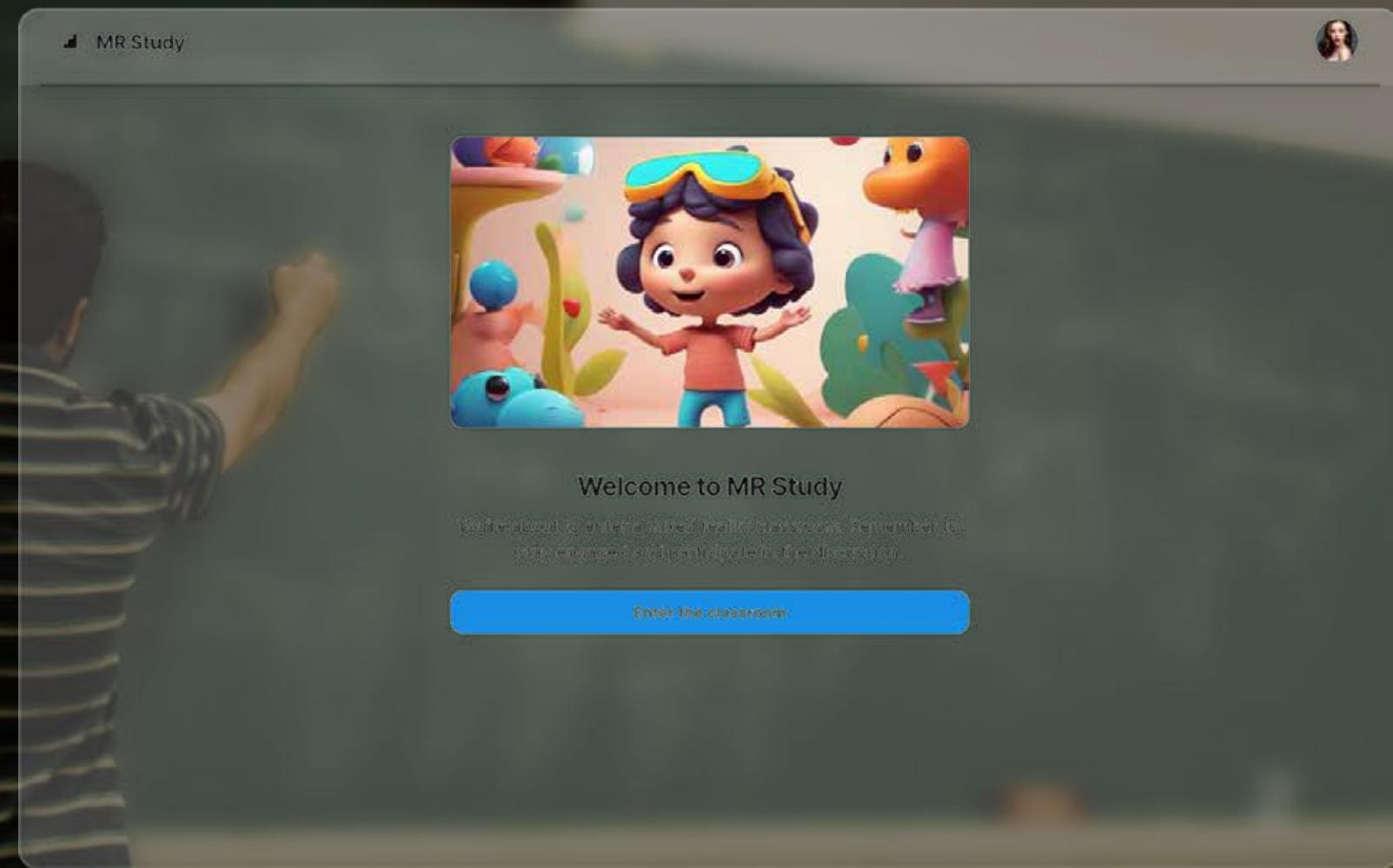
To let more people realize that "control in the name of love" is a serious problem, and that it is an expression of extreme selfishness.

I hope this work will bring warmth and comfort to those who are controlled; Besides, to encourage them to be brave to pursue what they want.

Also, to make my mother understand the damage this control has done to me and my desire to be free to make my own choices in life.

Link <https://youtu.be/GcEenNktraA>

7. TheWindRises
当代艺术装置项目



虚拟学习空间

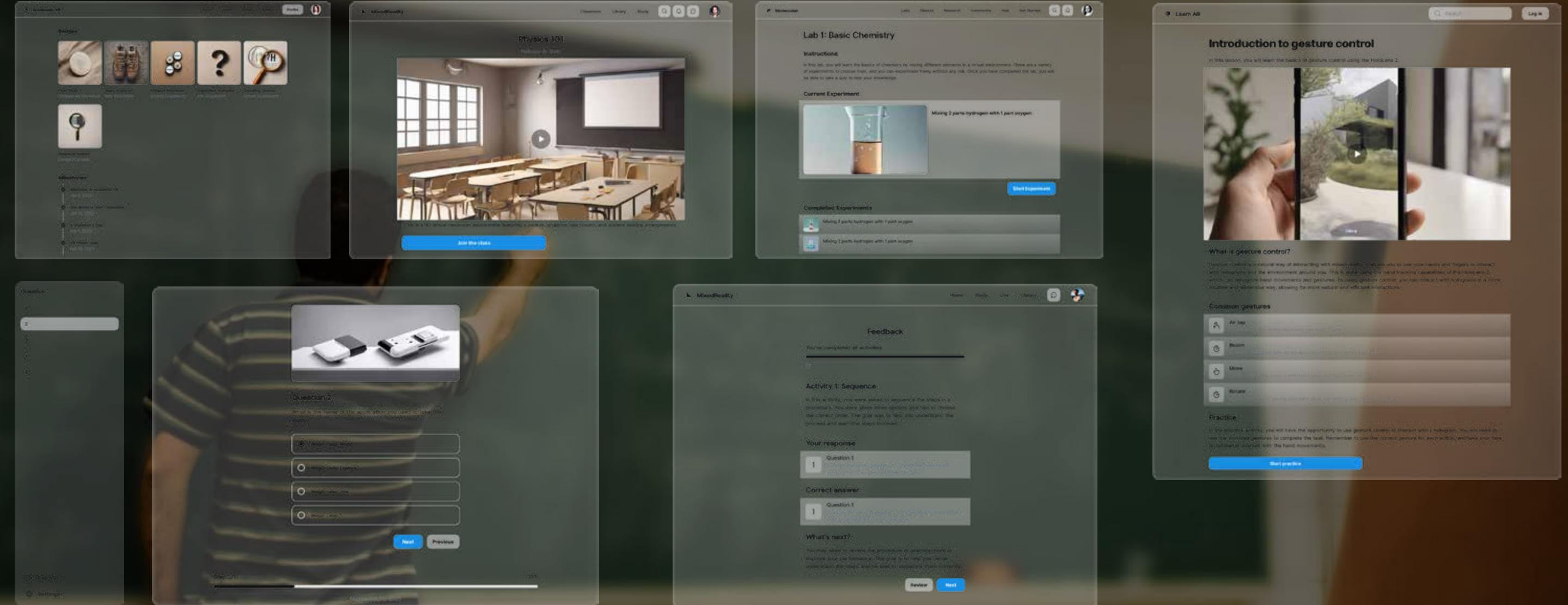
一个集成VR、AR和MR技术的教育解决方案

The screenshot shows a user interface for a VR learning platform. At the top, there are navigation tabs: Academic, VR, Study, Library, Groups, Explore, Profile, and a user icon. Below this is a section titled "Badges" featuring five icons: a coin, a pair of boots, three buttons, a question mark, and a magnifying glass over a question mark. Underneath each icon is a badge name and its requirements: "First Steps: Complete the first tutorial", "Eager Explorer: Walk 1000 meters", "Diligent Dreamer: Answer 25 questions", "Inquisitive Instigator: Ask 25 questions", and "Questing Pioneer: Answer 25 questions". A large magnifying glass icon is overlaid on the interface. On the left, a "Milestones" section lists four completed milestones with dates: "Welcome to Academic VR" (Jan 1, 2023), "The World is Your Classroom" (Jan 15, 2023), "A Question A Day" (Feb 1, 2023), and "VR Power User" (Feb 15, 2023).

The screenshot shows a "Study" page on a VR learning platform. At the top, there are navigation tabs: Home, Courses, Explore, Playground, and a search bar. Below this is a section titled "Courses" with a "Create Course" button. There are several filter buttons: All, VR, AR, MR, AI, UI Design, Beginner, Intermediate, Advanced, Expert, and All. Below these are user filters: All, Amanda, John, Ryan, Linda. The main area displays five course cards: "VR Development" by Amanda, Intermediate; "UI Design" by Ryan, Expert; "AR Creation" by Linda, Advanced; "AI Algorithm" by John, Beginner; and "MR Framework" by Amanda, Intermediate. A sixth course card, "Game Mechanics" by John, Expert, is partially visible at the bottom.

01 项目说明

随着远程教育的普及，传统的在线学习平台显示出其局限性，尤其是在提供互动和沉浸式学习体验方面。我们的目标是通过开发一个集成了VR、AR和MR技术的“虚拟学习空间”，来解决这些问题，提供一个创新的学习和教学解决方案。



02 技术栈

Unity3D
ARKit/ARCore
Microsoft Mixed Reality Toolkit

03 痛点

学习体验单一
创建虚拟课堂和实验室，增加游戏化元素。
教学资源限制
开发AR教具工具包，支持教师自定义内容。

协作困难
搭建基于MR的实时协作平台。

CoPilot

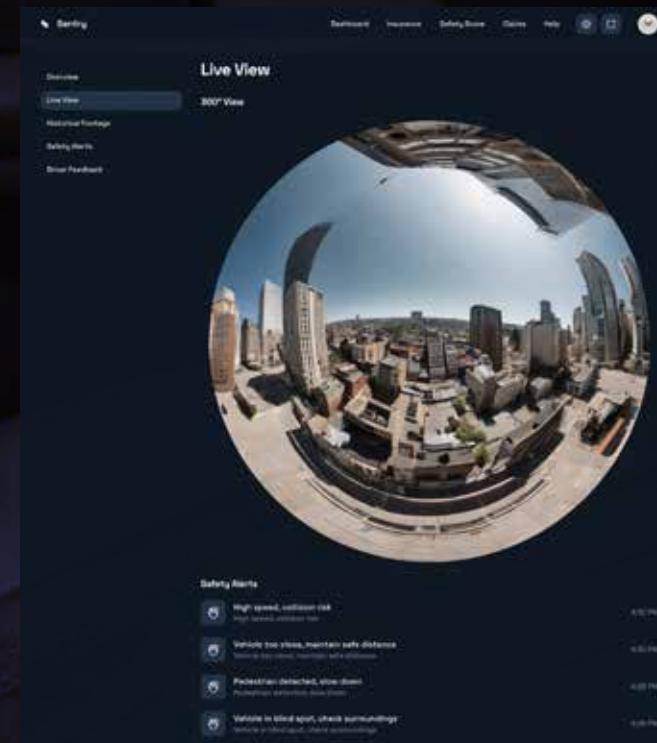
提升自动驾驶汽车的人机交互体验，通过集成高度互动的界面和智能功能，增加驾驶安全性、便利性和乐趣。

技术栈

UI/UX设计工具（如Sketch, Adobe XD）

编程语言（如Python for AI functionalities）

车载软件开发平台



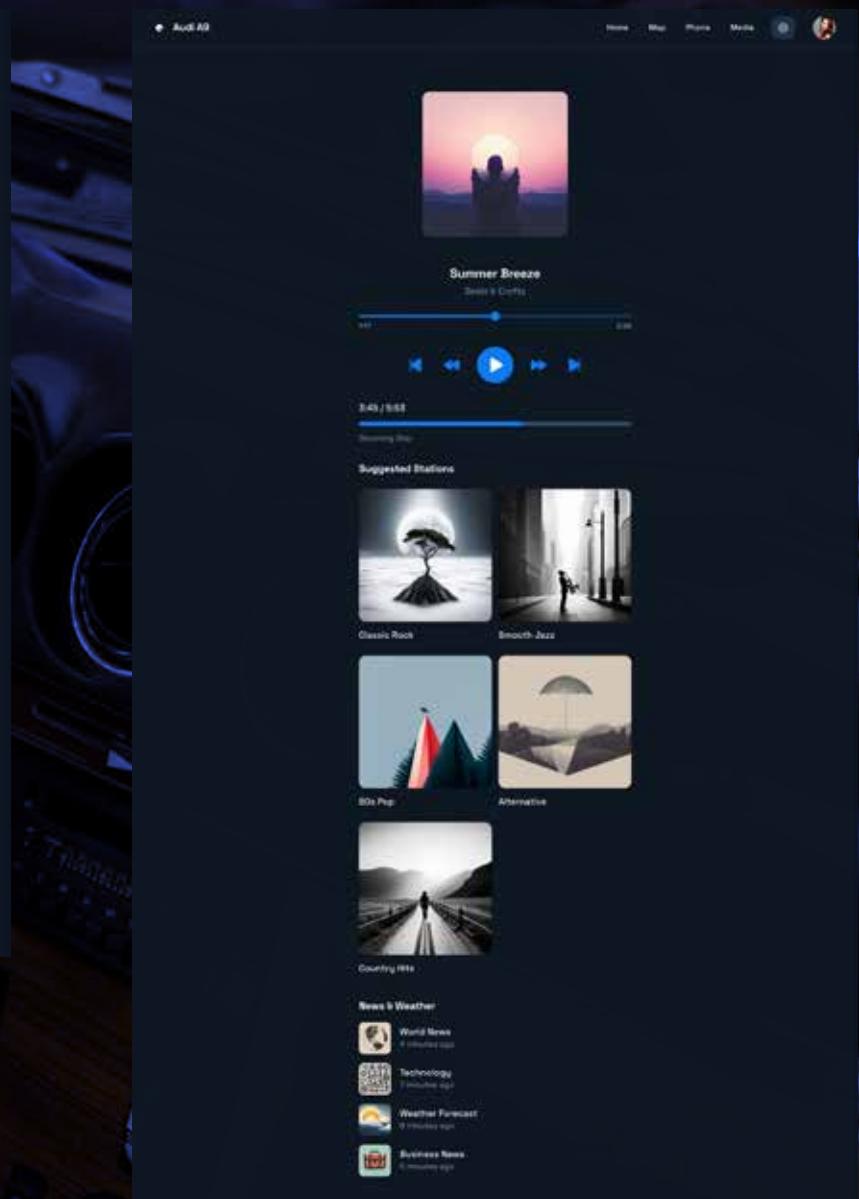
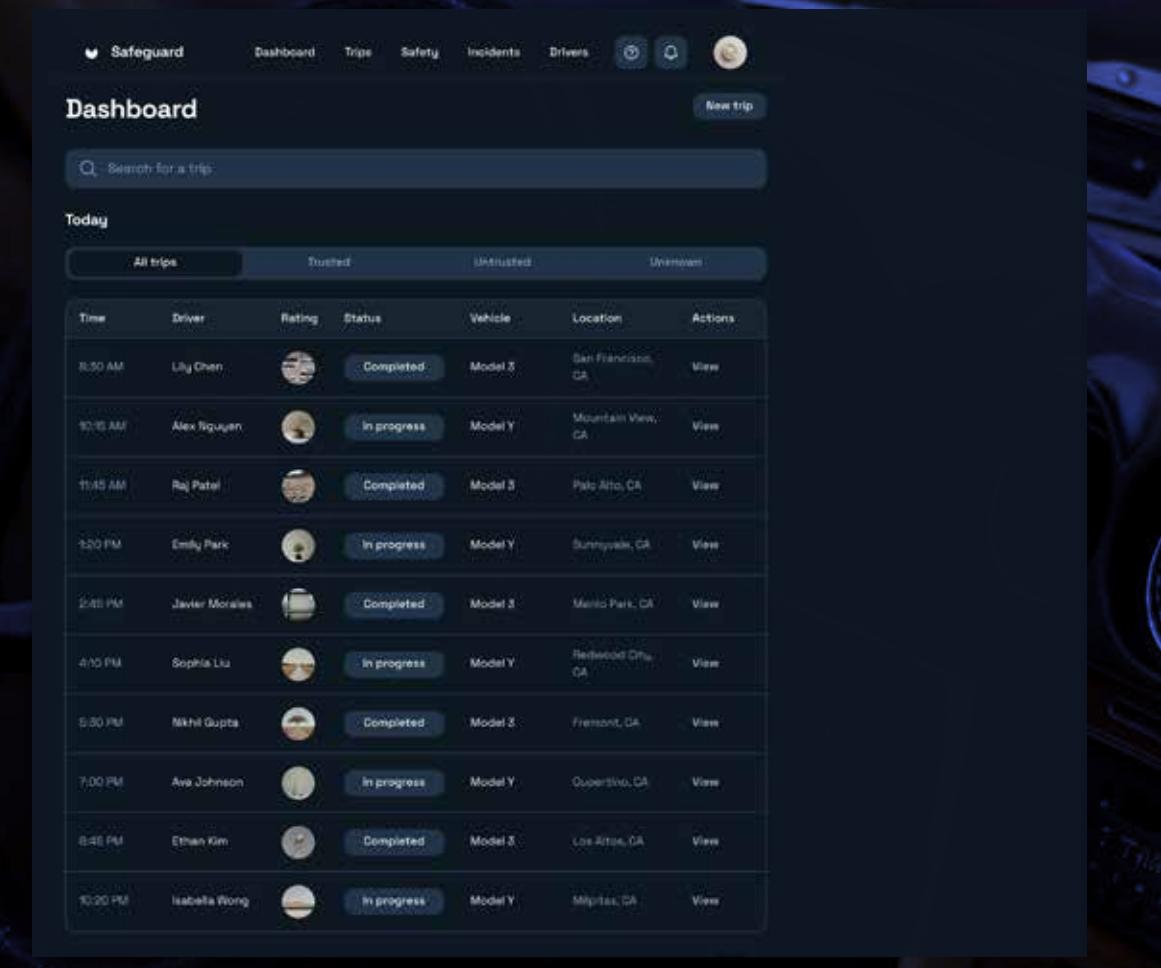
痛点

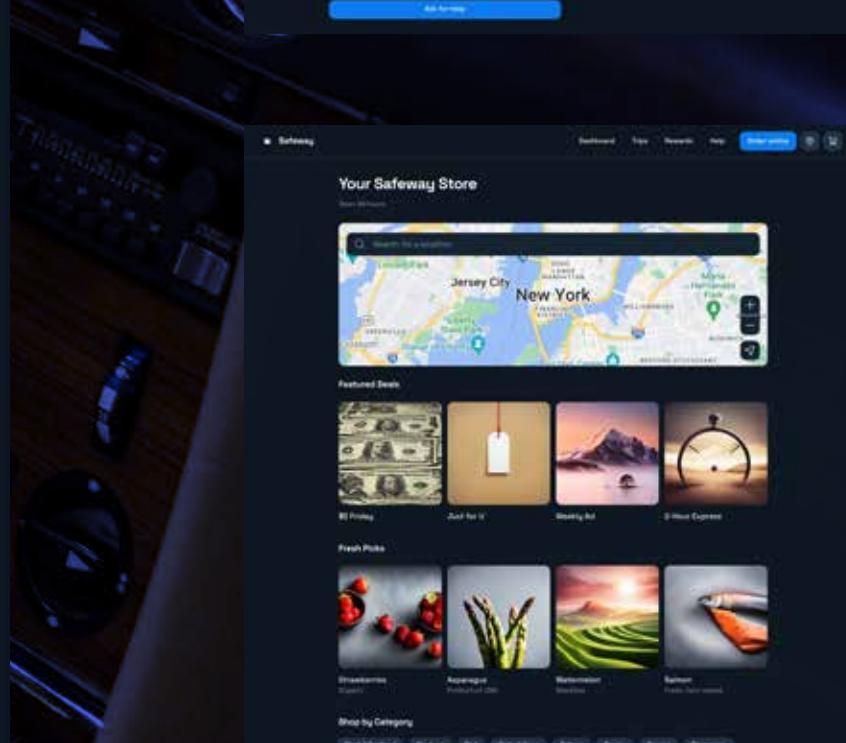
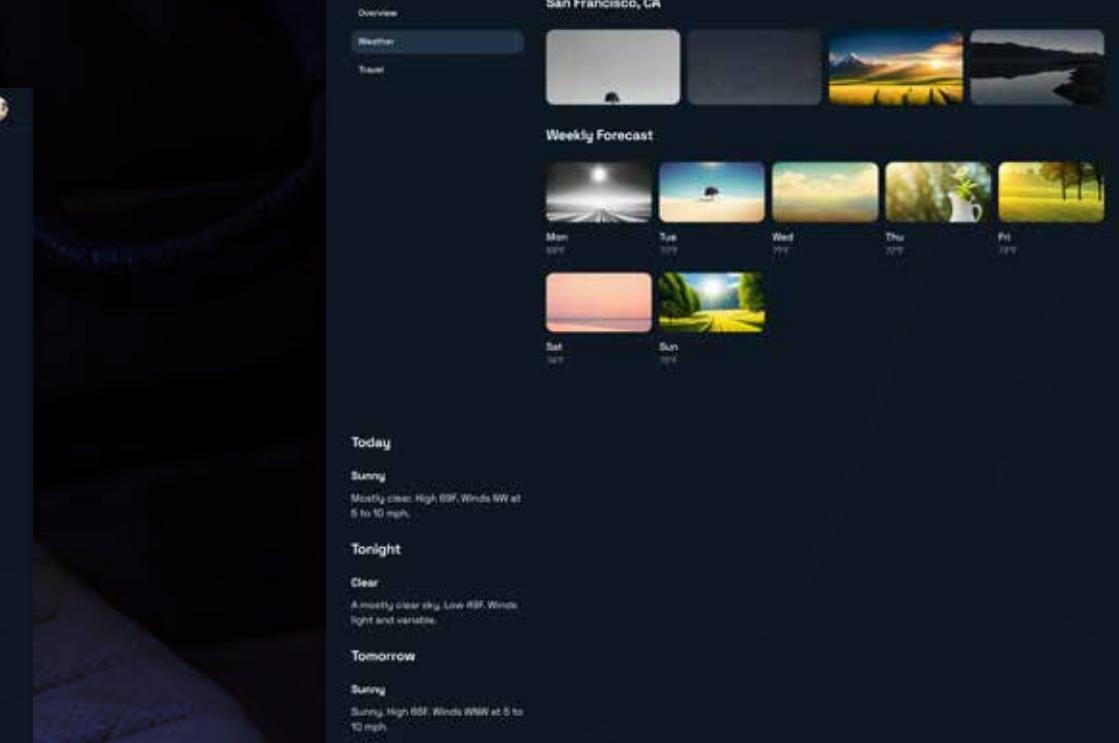
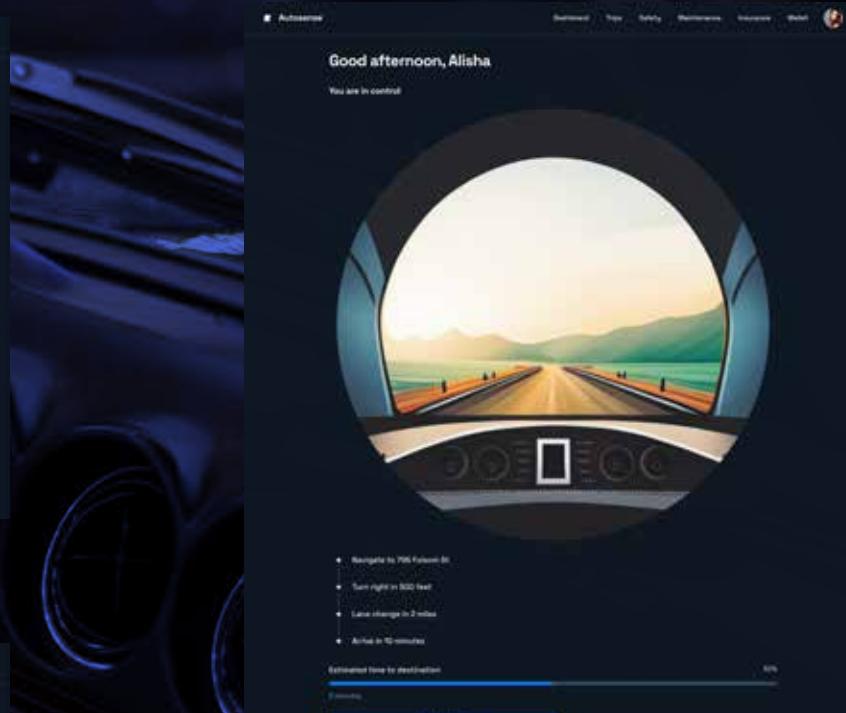
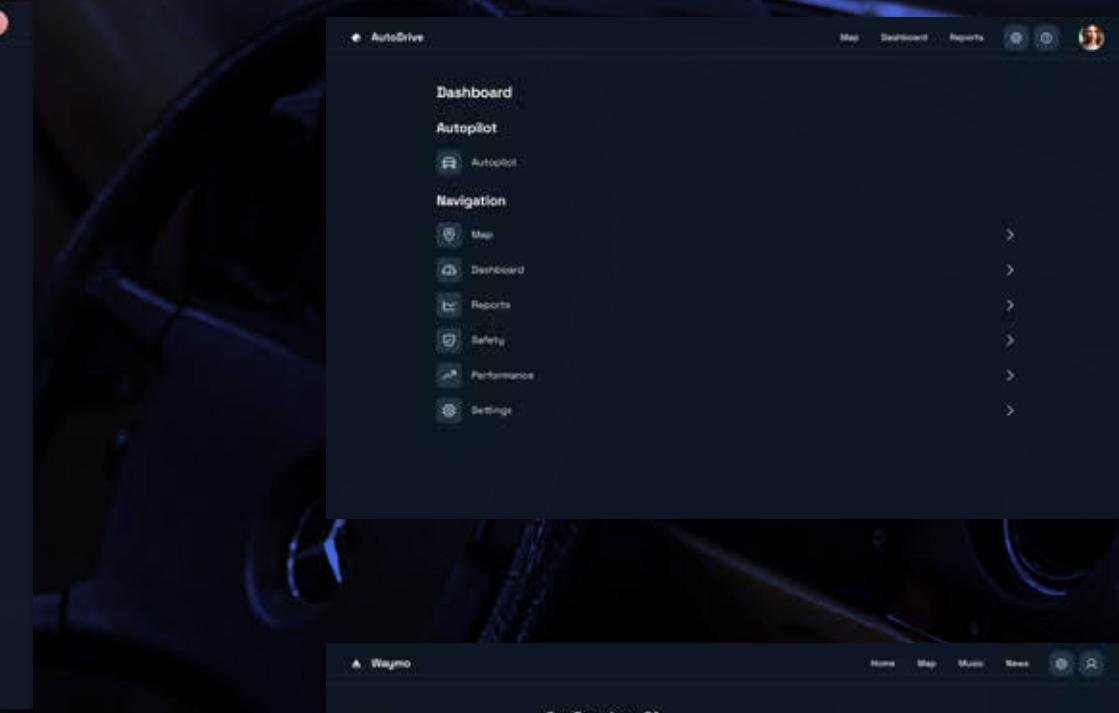
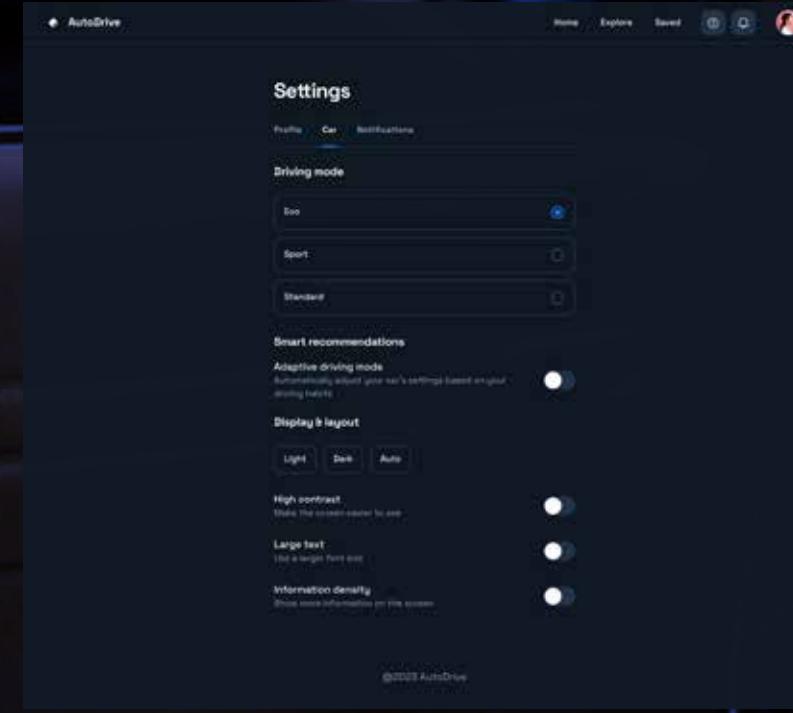
痛点

信息过载：当前自动驾驶界面往往信息过多，分散驾驶者的注意力。

互动有限：缺乏与车辆智能系统互动的直观方式，降低了用户体验。

情境感知缺失：自动驾驶系统未能充分理解用户需求和上下文，导致体验不够个性化。



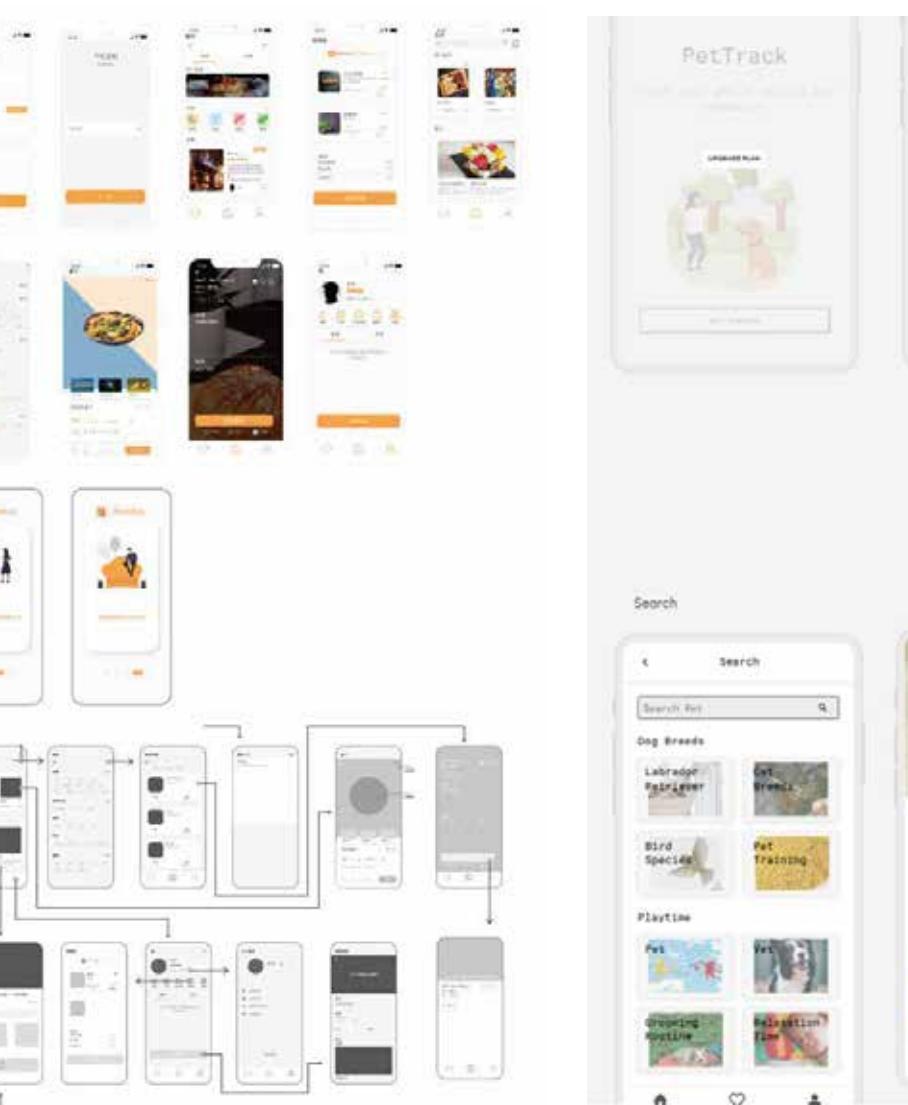


UI项目汇总

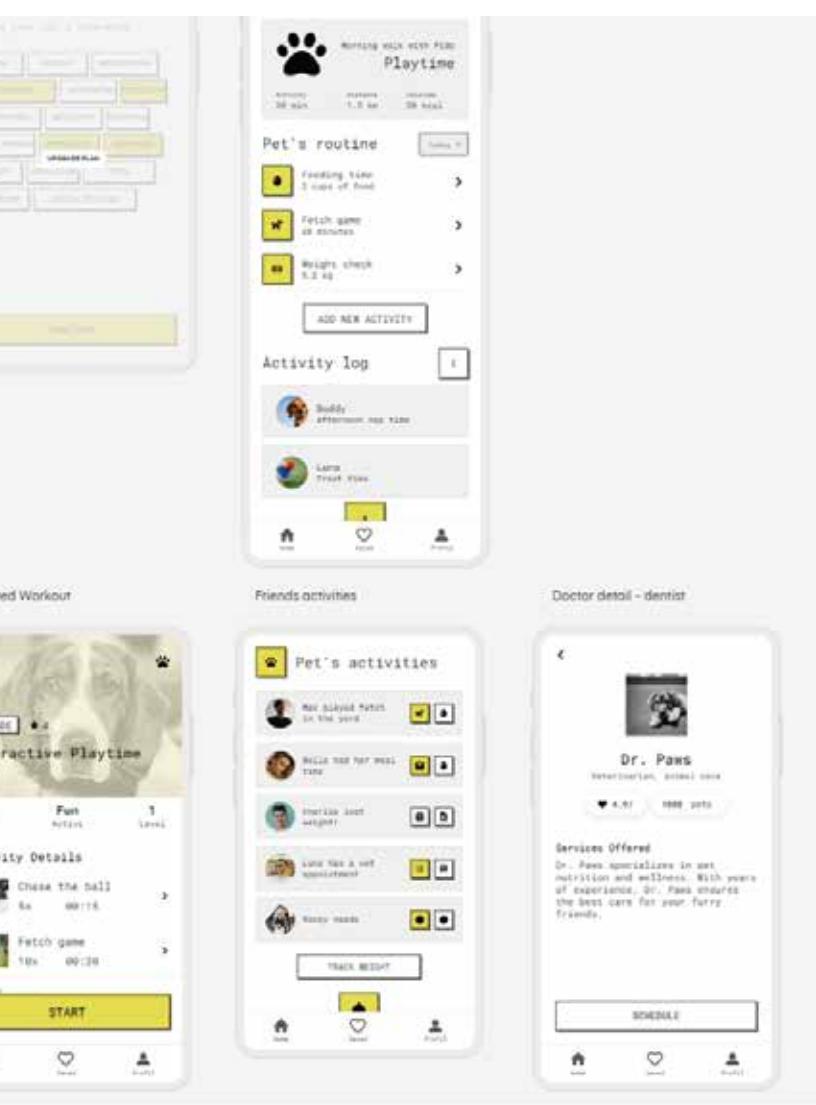
植物监测



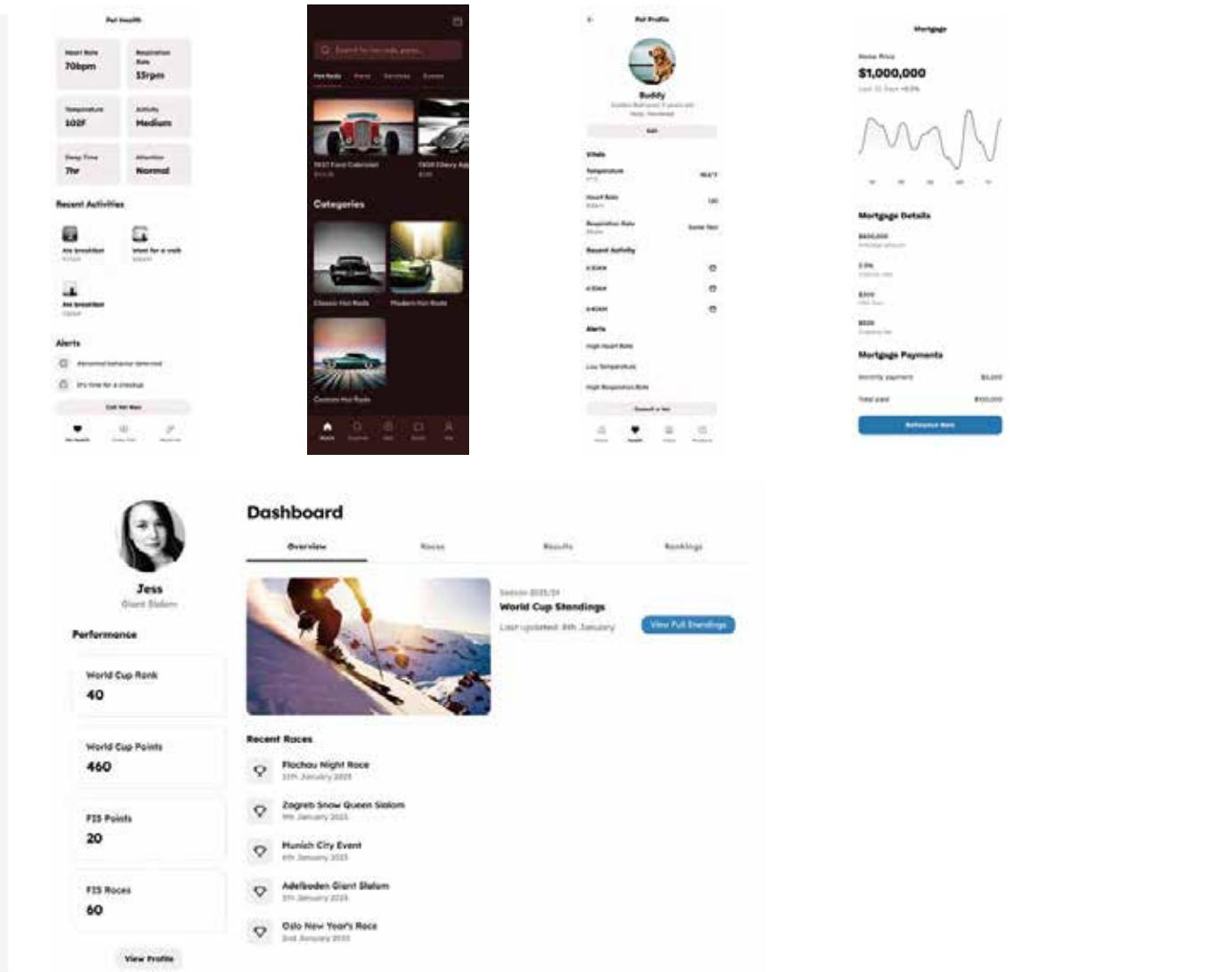
食物盲盒



宠物监测



一些其他





How Do Plants Keep Contact With Us?

/ Background

Current Situation



20% of People Live in Shanghai keep pet



When I was a Kid, My Parents are always Busy. So I was Alone at Home Most Time



Each Time I Feel Lonely, I Want Someone to Accompany. A Dog? or Relationship?



Among then, over 1/3 People Focus on Succulents



It Saves Time and Money to Grow Plants than Pets So Many Inexperienced Planters also Get Interested

Conclusion

In city, Most People Tend to Raise Something to Accompany Them and They Prefer Growing Plants to Feeding animals.

How Plants do Good for People ?



A Companion
Someone Wait at Home



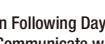
A Healer
Take a Break from Fast Rhythm



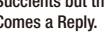
A Protector
Awareness of Environment



A Belief
A Reason to Stay Alive



A Listener
Accept Negative Energy Quietly



An Achievement
Take Good Care of One Thing

Conclusion

Plants Can Play Many Kinds of Role to Help People and They Can Express and Communicate as Well

/ Research

Possible Reason



People Tend to Be Busier with Less Social in Modern Cities, So they Always Feel Lonely and Desire a Companion



Plants Have Their Own Rhythm, Which Can Slow Down the Rapid City Life and Give Busy People Some Respite



It Saves Time and Money to Grow Plants than Pets So Many Inexperienced Planters also Get Interested

Conclusion

Life Goes Fast and Relationship Goes Stranger, But Plants Never Ask too much and Will Not Leave by Themselves.

How Plants Communicate ?

/1 Behavior

As We All Know, Plants will Wither If They are Not Taken Care of. Lying down If Too Hot. And Bright in Best Condition

/2 Chemicals

Analyze the Chemical Composition of Cassava and Peanut Planting Soil and Observe Their Growth Status

Khati, Itzhak, et al. "Plants emit remotely detectable ultrasounds that can reveal plant stress." *bioRxiv* (2019): 507590

/3 Ultrasound

Plant Will Emit Ultrasound of Different Frequencies When They are in Different Condition

Khati, Itzhak, et al. "Plants emit remotely detectable ultrasounds that can reveal plant stress." *bioRxiv* (2019): 507590

/4 Electric Current

Connect Electrodes to the Plants. Monitor Electrical Circuit Changes when Plants are Stimulated

Chen, Y., Zhao, D.-J., Wang, Z.-Y., Wang, Z.-Y., Tang, G., Huang, L. Plant Electrical Signal Classification Based on Waveform Similarity. *Algorithms* 2016, 9, 70.

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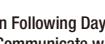
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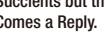
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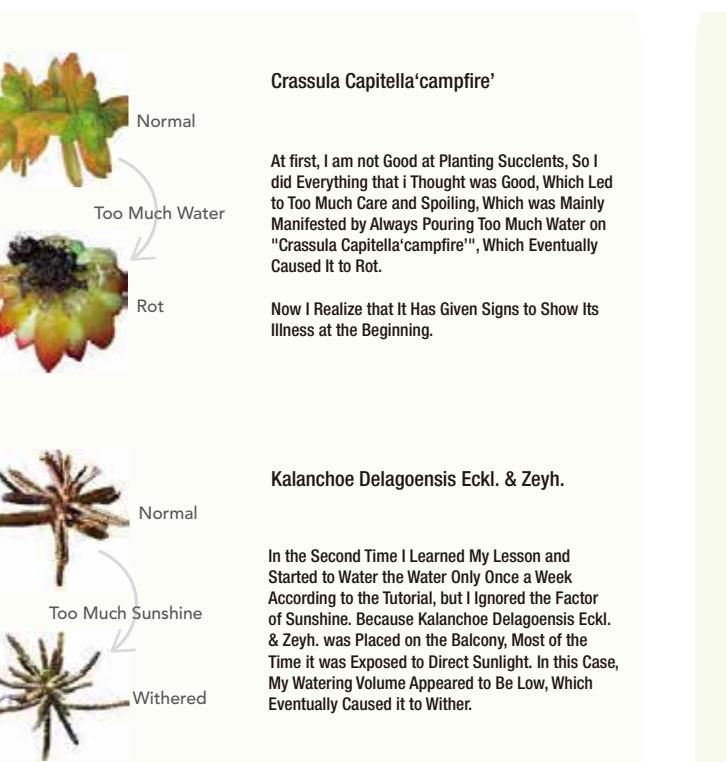
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S

/ Experiments

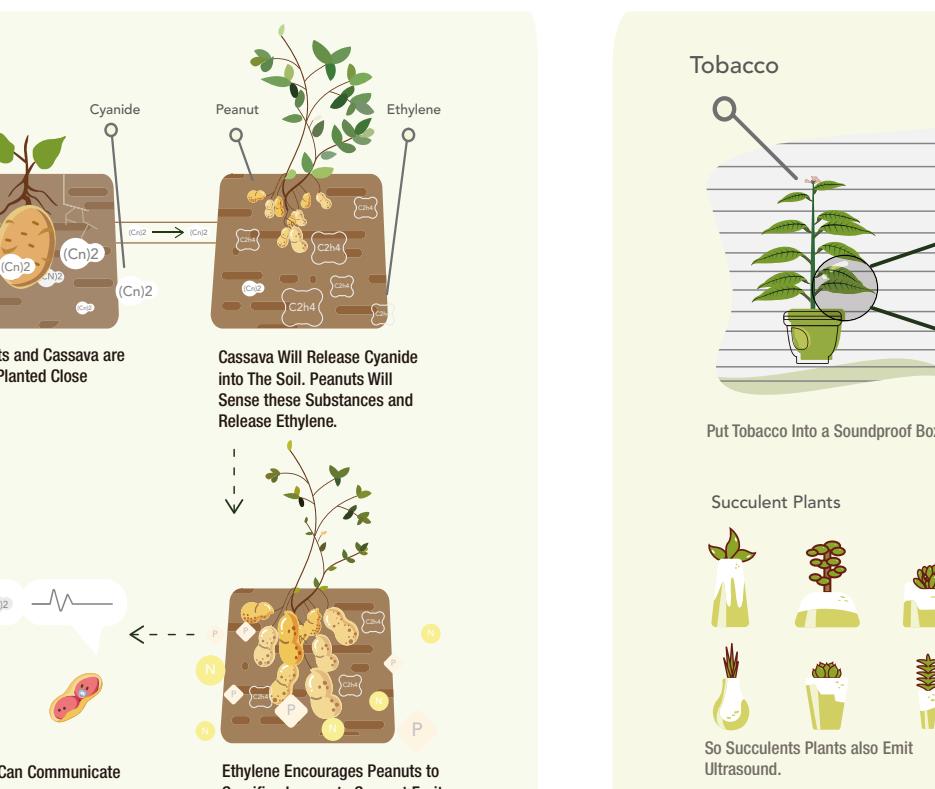
/ 1 Plants Use Physical Condition To Express



Observation Research:

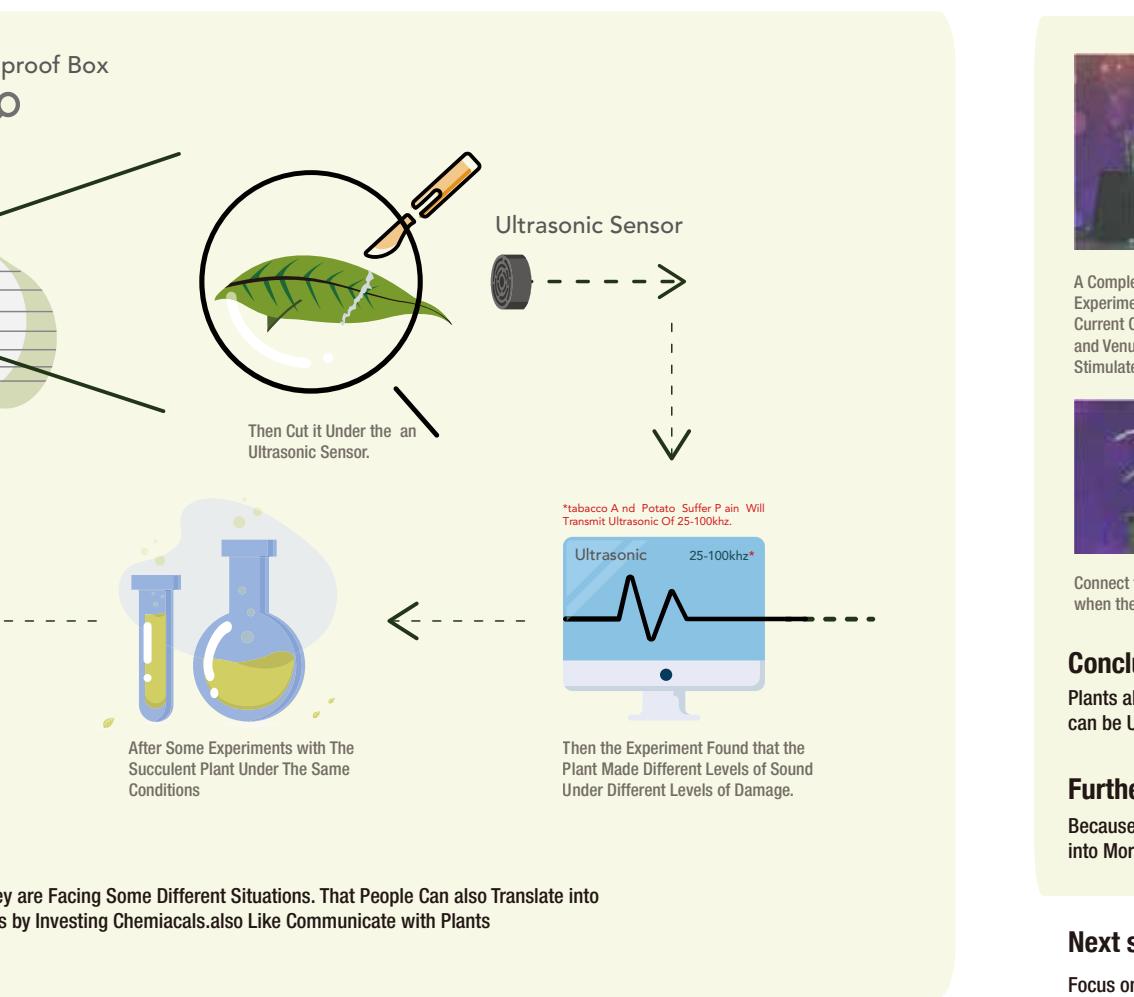
From My Experience, I Found that the **Physical State** of Succulents is Already a Way to Express Their Own Ideas. But that Only Stays on the Surface, It does not Really Work. Then i Discovered Another Forms.

/ 2 Plants Use Chemicals To Express



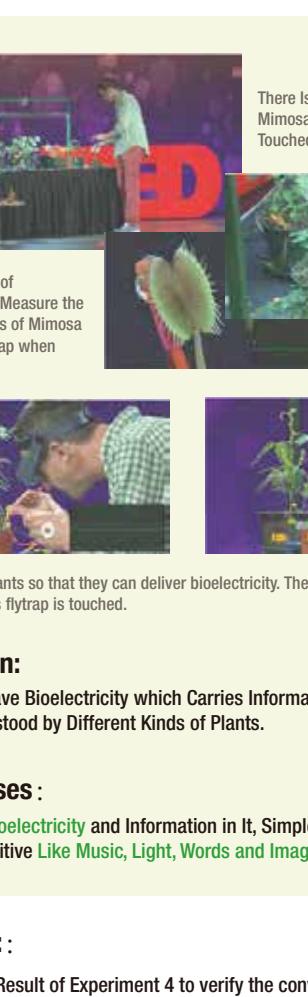
Plants Will **Emit Ultrasound** of a Specific Frequency When in Different States, Which People Can Translate into Different Meaning and Control The Plants by Sending Ultrasound. Just Like Communicate with Plants

/ 3 Plants Use Ultrasound To Express



Plants Will Release **Chemicals** when They are Facing Some Different Situations. That People Can also Translate into Different Meaning and Control The Plants by Investing Chemiacals.also Like Communicate with Plants

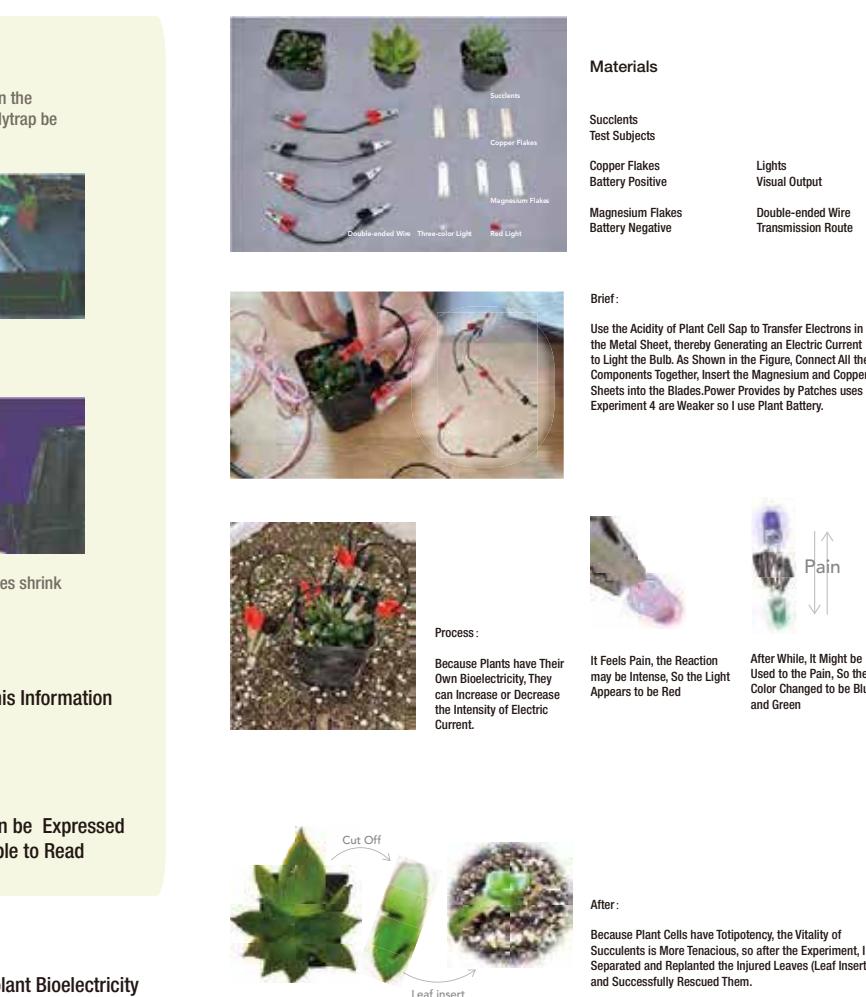
/ 4 Plants use Eletric Current to Express



Focus on the Result of Experiment 4 to verify the conversion of plant Bioelectricity

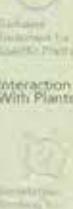
/ Further Experiments

Plant-emotion Power Generation



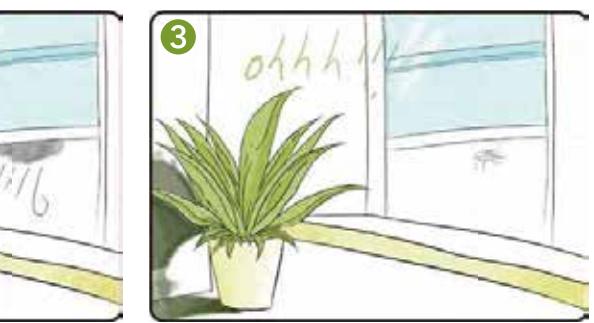
Interview and Analysis

Interview

User Profile	Plant Care Habits	Care Preferences				
		Watering Frequency	Receive Illumination	Watering Mode		
Dean 31 ages engineer 10 years Shanghai	 Pollen-free, Softcover Plastic Boxes	 Clean Water for the Plants	 Only Bouquet Watering Can for Watering	 Twice A Day	 Basically Use Natural Light	 Sprayed from the top
Amily 24 ages Official 7 years Hunan	 Only Monitor Your Environment and Computer	 Prefer Chemicals, Plastic Pots	 Recharging Without Watering is Wanted	 Interaction With Plants	 Emotion With Plants	 Other Problems
Leina 21 ages students 3 years Shanghai	 Create Create (M2) Create	 To Make the Best Plants	 Put Some Care in What Soil Grows Autumn-Season	 Twice a Week for Succulent Plants	 Put A Plant and Leave It Alone	 Pour Watering The Soil Directly
	 Acting as The Sunflower	 Could Live with the Most Favorite Plants by Learning Plants	 Sustaining Willingly	 Be Qualified One Kind of Plant	 Often Have No Drip to Take Care	



User Se



User Se



6

10

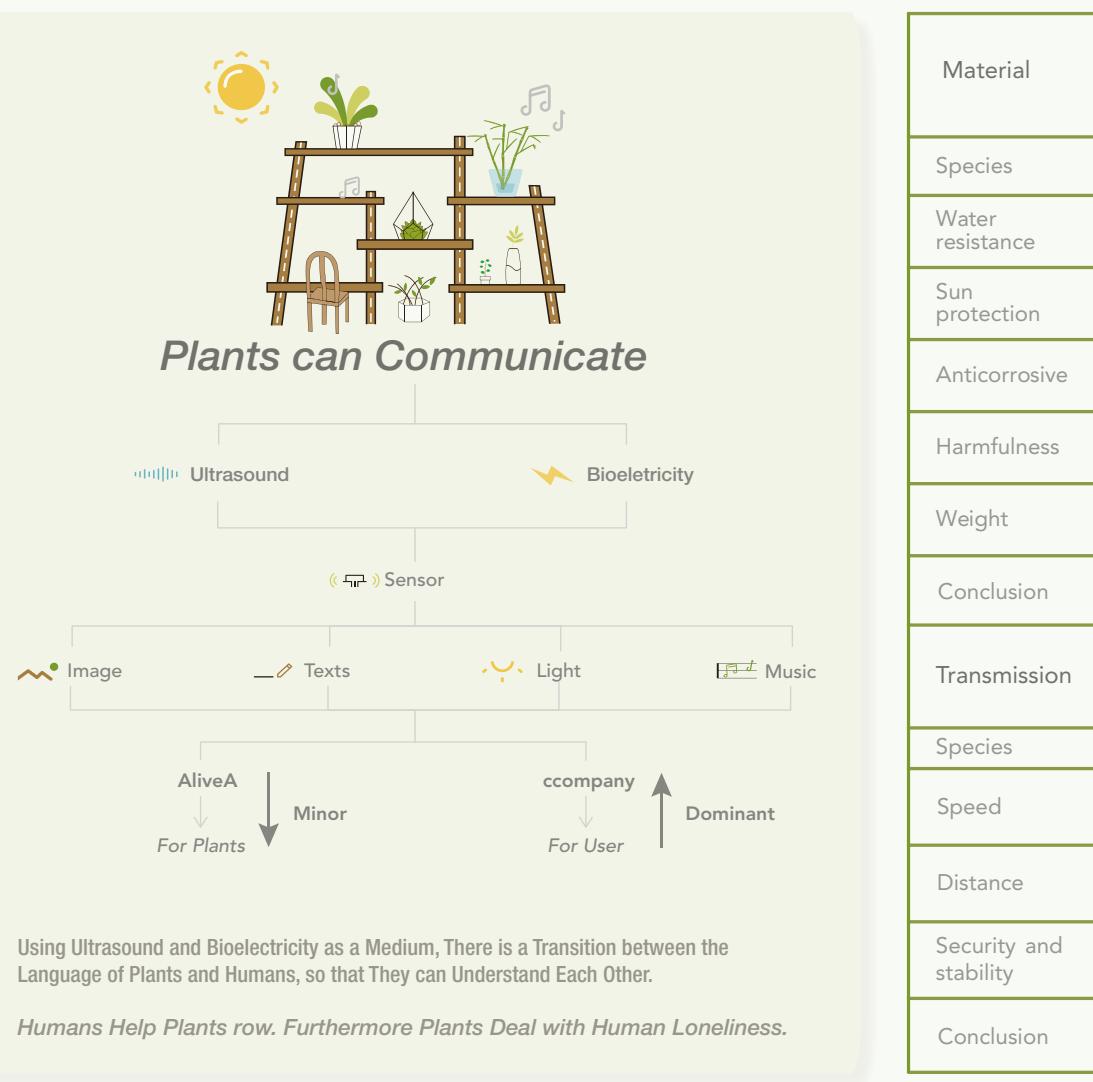
7

4 So It Was Bitten And Broken.
5 On the Third Day, the Leaves were Withered
and the Moisture in the Soil Was Dry.

10

-

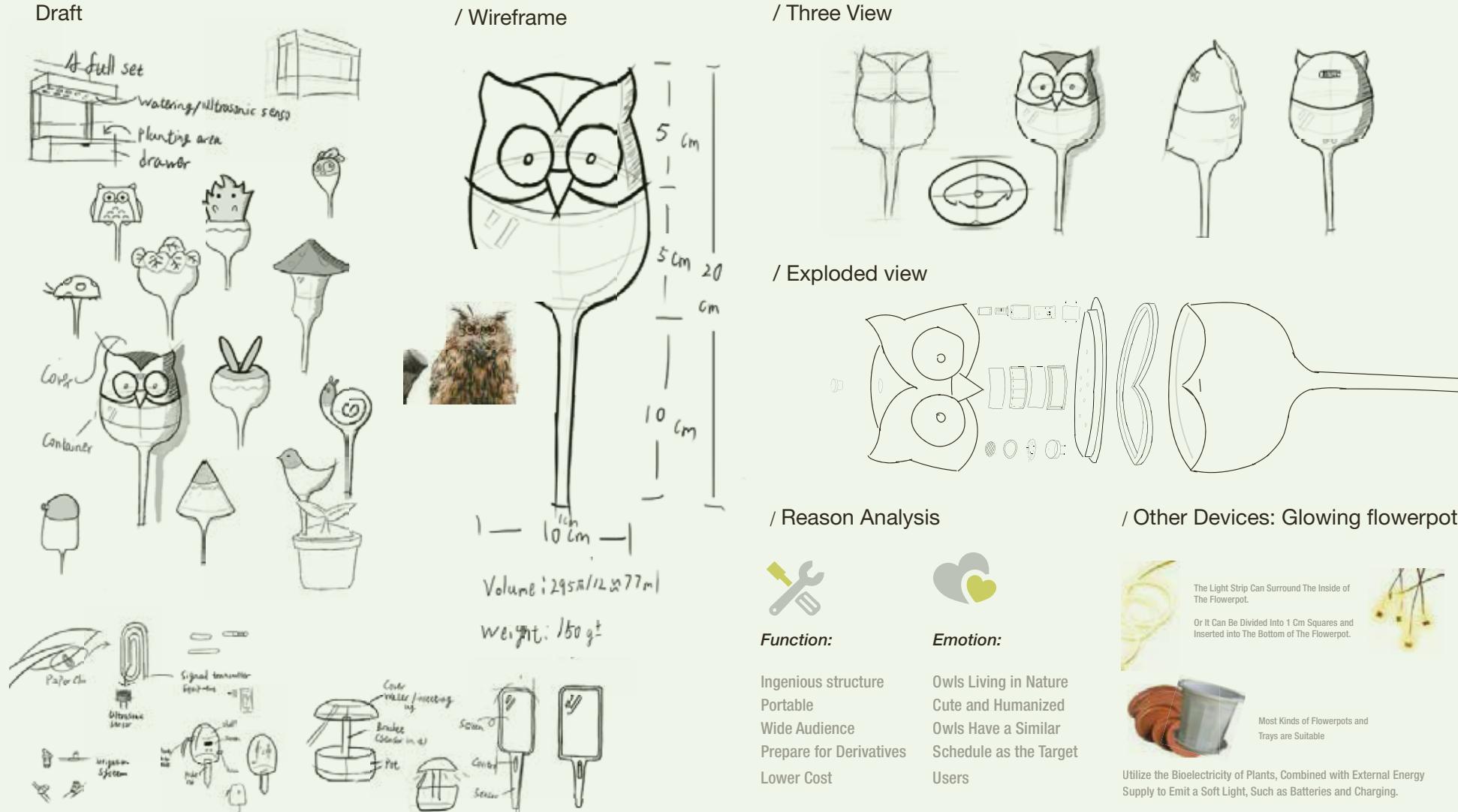
/ Function Requirements



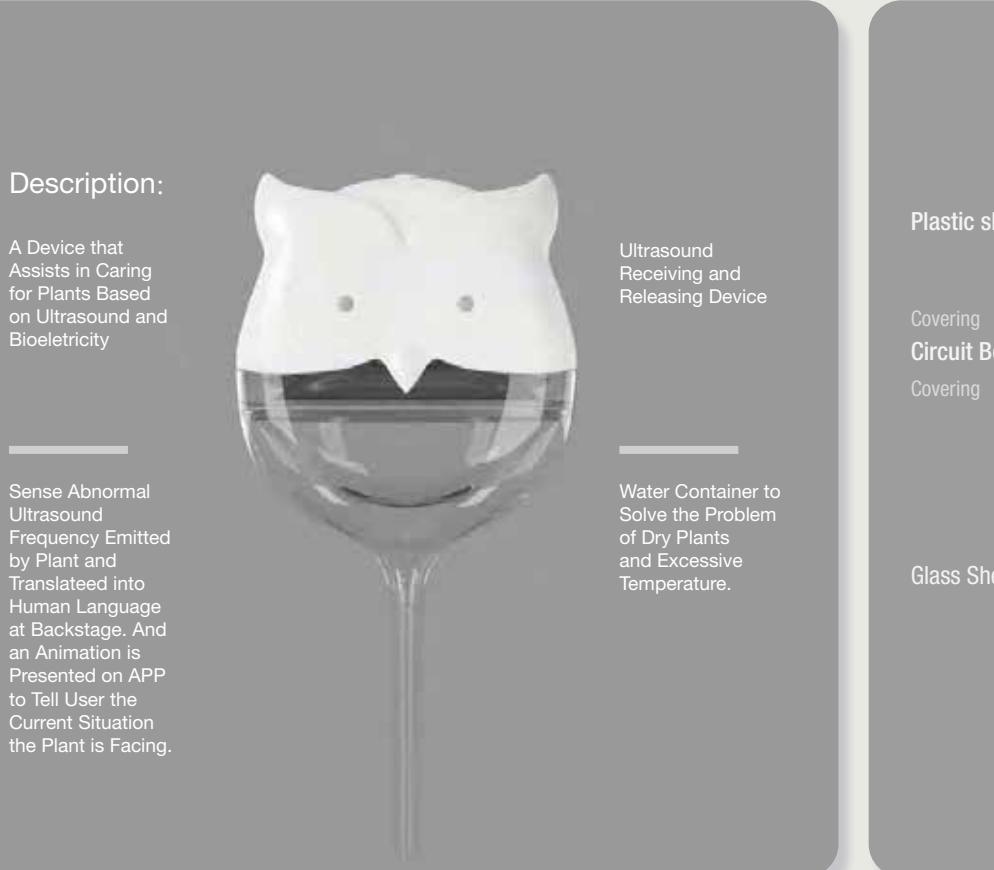
/ Material Analysis

Material	Plastic	Metal/Alloy	Glass	Timber	Other(Man-made)
Species	Plastic	Metal/Alloy	Glass	Timber	Other(Man-made)
Water resistance	Water droplet icon	Water droplet icon	Water droplet icon		
Sun protection		Sun icon			
Anticorrosive	Crossed-out skull icon	Crossed-out skull icon			
Harmfulness	Skull icon	Skull icon			
Weight			KG icon	KG icon	
Conclusion	Use Plastic to Form Technical Modules and Glass to Serve as Containers				
Transmission	Wi-Fi icon	Bluetooth icon	FC icon	Zigbee icon	RFID icon
Species	Wi-Fi	Bluetooth	FC	Zigbee	RFID
Speed	Rocket icon	Rocket icon	Rocket icon		
Distance	Airplane icon		Airplane icon		
Security and stability	Shield icon	Shield icon	Shield icon		
Conclusion	Since There is Network Coverage Everywhere and Users need to Get Information at Any time, So i Choose WiFi.				

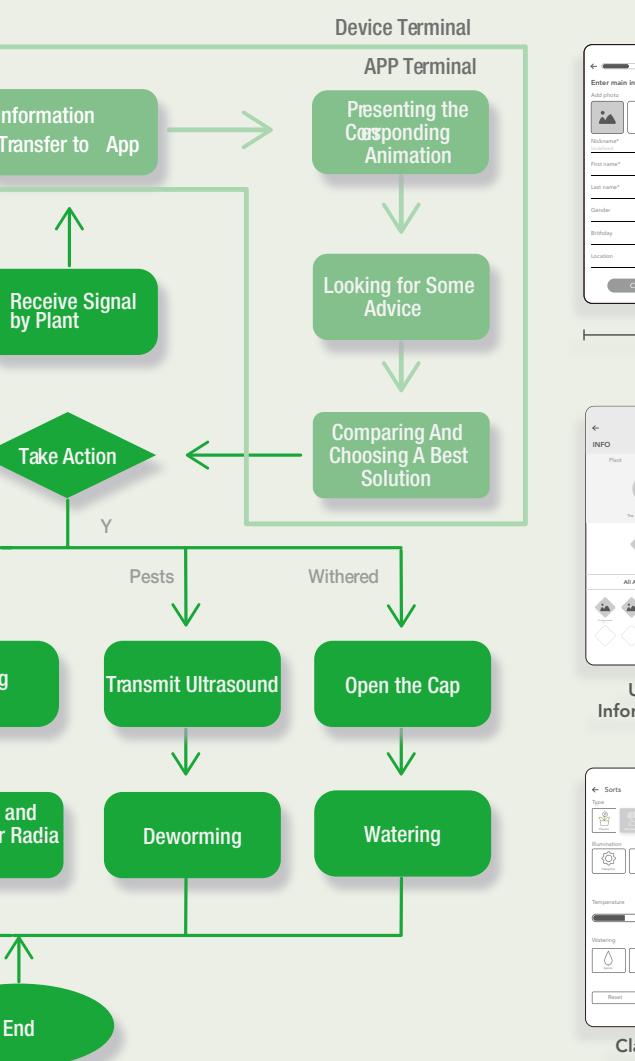
/ Sketch



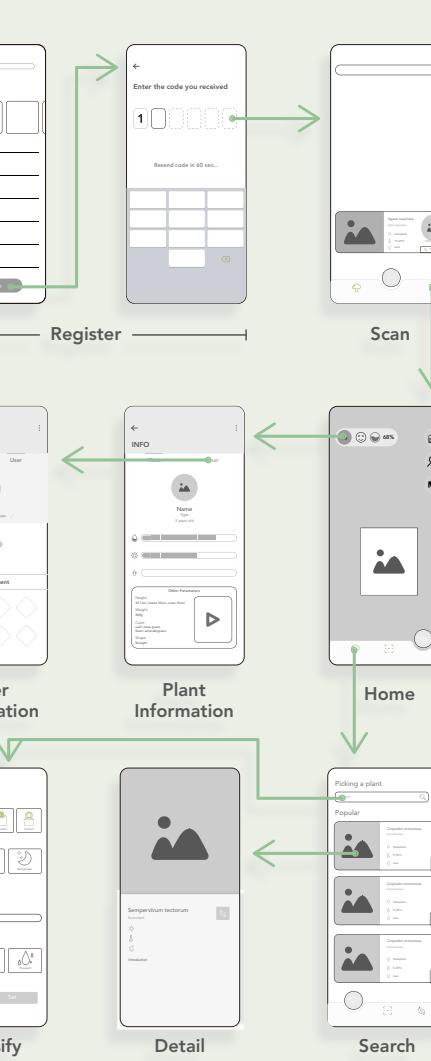
/ Production



/ User Flow

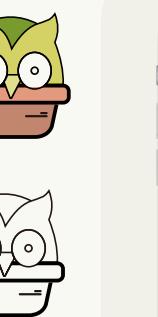


/ Wireframe



/ Graphic Design



/ LOGO

Owls are Animals Live in the Forest, so They are Close to Plants. And the Owls Rest during the Day and Active at Night. This Kind of Schedule also Reflects the Life of Chinese Officers Always Work Overtime until Midnight.

Font

Avenir LT Std

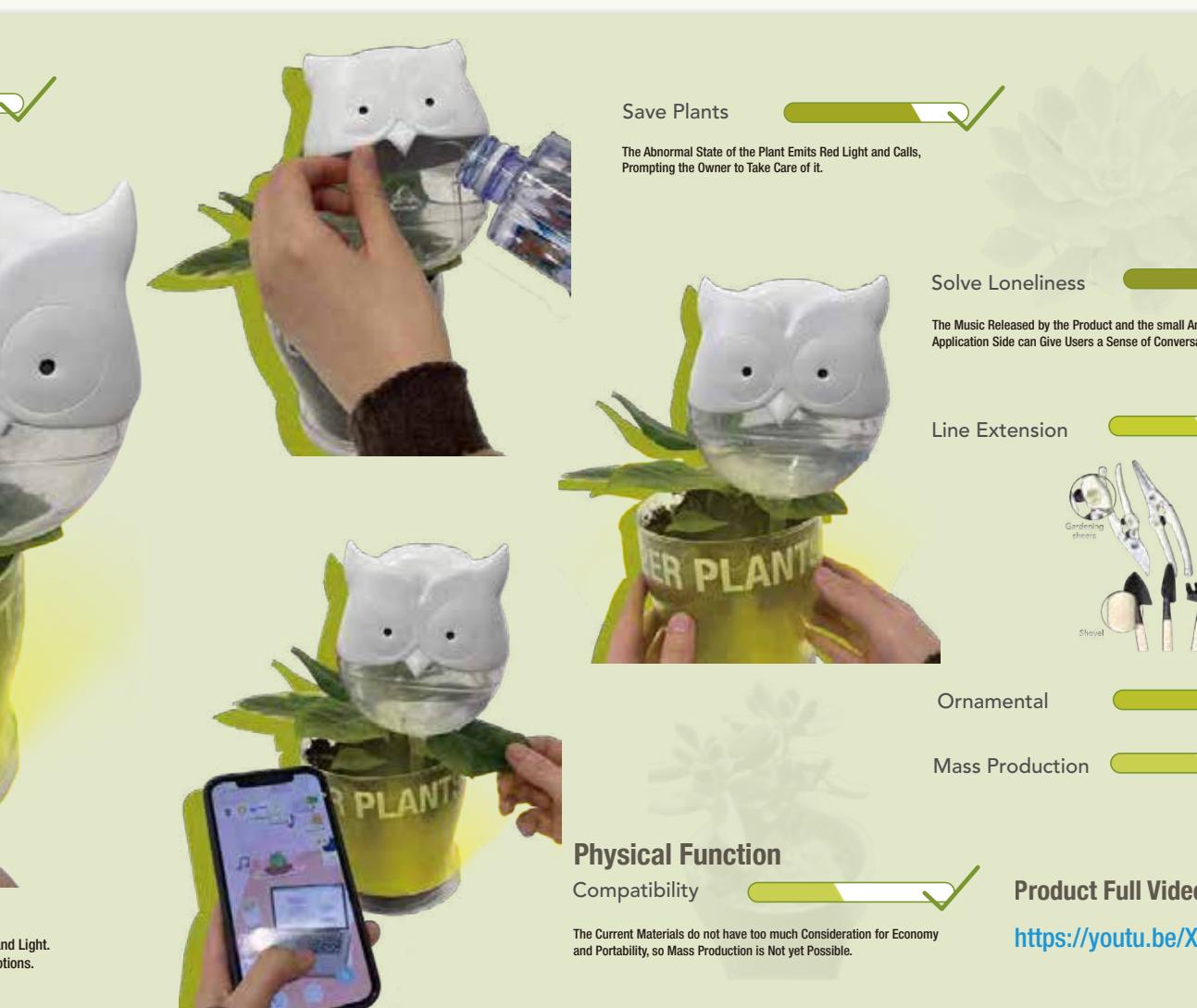
Roman
Medium
Heavy

Aa Bb

Color



#54C0CC #1F4F59 #213502 #DCD964 #7EA00E

/ Interface*/ Final Outcome*

Self Reflection

Personally

Most multicellular organisms have bioelectricity for internal information transmission. From the perspective of interaction design, this is also a relatively new way of communication. In the long-term development, this can solve the experience of simple cross-species conversation.

Socially

As an interaction designer, I think my social identity is a server. So this product starts from the emotional needs of workers, fills their empty hearts and protects the environment.

Future Plan



BYE

To leave less pity when saying goodbye.

MEDIA: Product & Service Design **Individual Project:** 2020.1 - 2020.2

Keywords: Product | Service | Goodbye | Zeigarnik Effect | Relationship

THEME: People seldom reconciled with things that are not finished, and they also will feel pity for parting, like friends became strange because of inexplicable misunderstandings; Lovers broke up due to impulse or other force majeure; and even a relative (or can pet) who is about to die.

As a theory—"Zeigarnik effect" occurs when an activity that has been interrupted may be more readily recalled. It postulates that people remember unfinished or interrupted tasks better than completed tasks.

Thus, people need to say goodbye decently no matter there are lovers, relatives or friends.

AIMS: Give a chance to those couples who parted without a serious break up to review and let go; To Help Friends in conflict to calm down and try to understand each other; and to Fulfill the dying people's last wishes in order to memorize them.

/ BACKGROUND

Why people are difficult to reconciled with Parting?



/ 1

My previous love just said Goodbye on the Internet without any quarrel. This was too sudden to stop me from reconciling with myself.



/ 3

The death of a family member is an experience that everyone will have. Their leaving takes time to be accepted.



/ 2

There is also a sudden parting between friends, they became strange because of inexplicable misunderstandings.



/ 4

There are Many Other Relationships are needed to Say Goodbye decently for People.

/ RESEARCH - I



/ 1 "Zeigarnik Effect"

People will be **More Impressed by the Incompleted or Interrupted Things** than the Things that have been completed, The Soviet psychologist Zeigarnik in 1920s.



Experiments of Zeigarnik

She did 43 experiments, such as writing poems, drawing administrative plans, folding lines into serpentine shapes and finding the same triangles. **One group are interrupted to complete the tasks.** There comes that more Incompleted things can be remembered.



/ 2 "Sense of Fulfillment"

It is a psychological feeling that arises when desire and reality reach a balance. Used to describe a person's feeling of **being happy or successful for what they have done** when they do something.

/ 3 "Zeigarnik Effect"

Ritual is to make one day different from other days, and make one moment different from other moments. Because it gives people a strong self-suggestion. This kind of self-suggestion can make self-change, and quickly improve one's concentration, reaction ability, and athletic ability.

- People Feel Pity about their Broken Relationships usually because they can not finish that completely.
- Getting things done and done well can make daily life more fun and make meaningless things meaningful.
- So a Decent farewell can help people to forget or to fade away from bad memories.

/ RESEARCH - II

I Interviewed about 50 people about their Most Impressive or Regrettable Relationship. Tested whether they will open "**THE BOOK OF ANSWERS**" to Support a Choice. And Pick up three Typical Interviewees.

Conclusion:

Interviewees mainly Stuck in Problems of Love, Friendship and Family, and They actually have the answer in their hearts, but they just **Need a Push**.



"End Now"

WHT CHOOSE THIS
"She was my first love, and I never felt the same level of happiness again in my relationship afterwards."

HOW IT HAPPENED

"There are a long distance between us. Naturally start to be unfamiliar."

WHAT DO YOU FEEL

"It ended too suddenly, I always find it inexplicable."



"Run Counter to"

WHT CHOOSE THIS
"It is what I Faced now, and She is My Best Friend, so I really Value Her."

HOW IT HAPPENED

"She took My Worries as if I didn't Trust her, and still insist on it."

WHAT DO YOU FEEL

"I know I am in Charge of too Much, but I still Worry about Her."



"Stand at Important Place"

WHT CHOOSE THIS
"My Uncle Treated me very well, He Used to take Me to many Places."

HOW IT HAPPENED

"He has Lung Cancer, and Doctor told Us that He may Die in several Months."

WHAT DO YOU FEEL

"I am really Regretful and Petrified, and I want to Stay with him as more as Possible."

/ HOW WE SAY GOODBYE TODAY?

LOVE



"Could I Get in Touch with her?"

Reluctant

"In fact, I do Know that We are Over, I just have a hard time persuading myself to let it go. Now that my destiny is set, I should let it go."

FRIEND



"Am I doing it Right?"

Upset

"Hm...Maybe it means that's really my fault, I should apologize to her."

FAMILY



"Should I let him continue treatment or do what he wants?"

Thankful

"Important Place...oh, I get it, I will Take my Uncle where He wants to Go and do what He wants to Do."

Action

Emotion

Word

Result

Action

Emotion

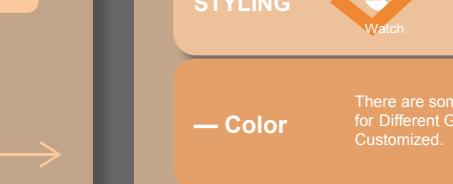
/ USER JOURNEY MAP



/ PAINPOINT

People Face Relationship always be Flinching and Feel Difficult to Make Better Choices.

Afraid of Making Wrong Choice



Love

They are Afraid of Losing This Relationship.

Friend

They are more accustomed to jockeying each other.

Family

Their situation usually does not allow mistakes.

Conclusion: People Always afraid of Mistakes.

Consider of the Other's Feelings



Love

They do not Want to Make The One They Loved Sadder.

Friend

The Mood of Their Friends will also Affect Themselves.

Family

Knowing the Truth may even Cause Worse Situation.

Conclusion: Consideration of Others Usually is More than Oneself.

Afraid of Leaving Regrets



Love

A lot of Gifts and Memories Left would Arouse Missing.

Friend

Experiences they make Together are Unforgettable.

Family

Every Wishes Fulfilled by Family would Stir Up Missing.

Conclusion: Many Memories Always Haunting Around.

/ IDEATION

STYLING



Portable
More noticeable
than APP

Color

There are some Basic Colors such as Black and White, and Some Different Colors for Different Groups, such as Pink for Couples and Blue for Friends. Can also be Customized.

Material



Rubber has High Plasticity and is Safer, and Retaining the Smell.

FEATURE

Some Basic Functions that Other Smart Watches have. And the Incentive Mechanism based on the Zeigarnik Effect and my Research Output, such as Achievement and Giving Answer.

Basic



...
...

Goal



Give tasks to help users When Users are Faced with Interpersonal Problems. Completing Tasks can Feedback Points for Rewards.

Choice

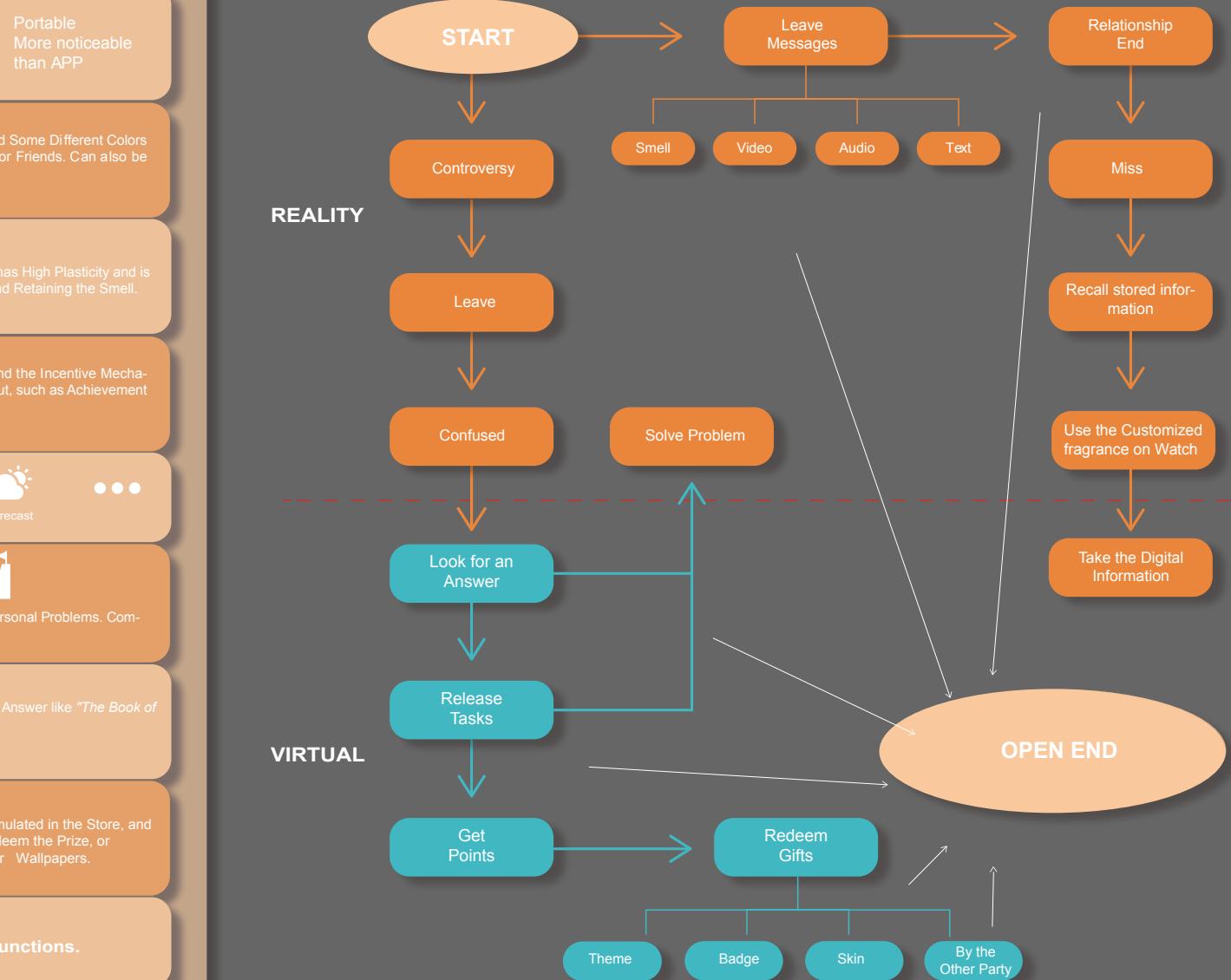
When the User Wants to Know What to Do, It Can Give an Answer like "The Book of Answers" to Push the User to Take Action

Store

The Points Obtained for Completing the Tasks are Accumulated in the Store, and the Other Party Owning the Other Part of Watch can Redeem the Prize, or Redeem for Some Built-in Beautification Interface Skins or Wallpapers.

CONCLUSION The output will be a watch with special functions.

/ USER FLOW



' PHYSICAL



1



/ SELF REFLECTION

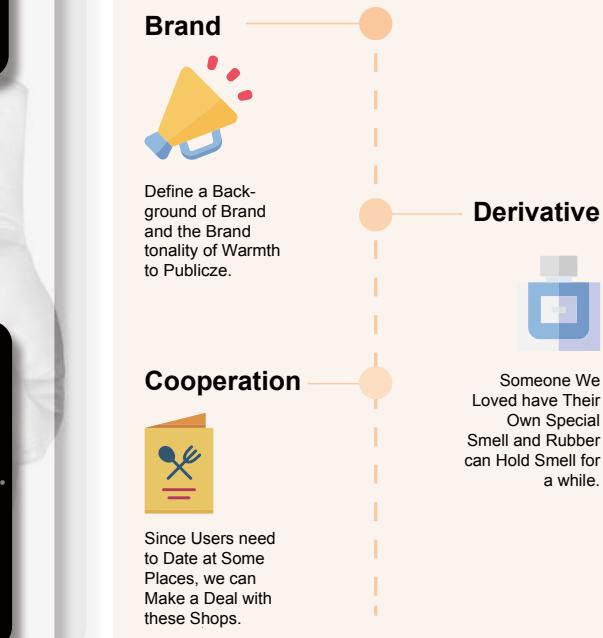
1

Psychological problems are the pain points that users most need to solve in most cases, but they are usually the most difficult to solve perfectly.

1

Combine material physics and human mechanics with products to design a product.

/ BUSINESS PLAN



On Market



Keywords:

Mapping, Installation, Digital Media, Find Myself

Individual Project:

2020.8-2020.10

<https://youtu.be/4cmj7lGuT1E>

Theme:

Everything is Chaotic. I want to Know Who I am. From Beginning to End, I have been Confused, Unable to Find Myself in the Society. Here, I wear a mask and Play myself, Trying to Fit in one Group. At the End, I Get Lost in the Constant Finding, But I Look away and Forget it. Just Live in the Moment.

How People Know About Themselves?

Background

Myself

Who I am ?

I don't know.

What I want ?

I don't know.

Where I go ?

I don't know.

Which group I could fit in ?

I don't know.

A Journey to Explore Myself.

Since I was a Child, I Always felt that I am Different, but I still try to integrate into everyone's group, and I have made many attempts for this. Every time I think I have integrated, I found I was still incompatible. I finally gave up trying and chose to be myself. Like Chinese myth 'Kuafu Chased the Sun'

Kuafu Chased the Sun

Who I am ?

Kua Fu

What I want ?

Chase the Sun

Where I go ?

Where the SUN is

Whether should I go for it ?

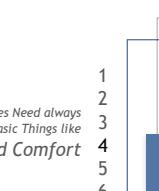
Always

A Chasement to the Sun

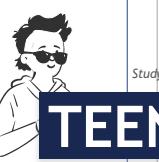
During The Period of The Yellow Emperor, Kuafu, The Leader Of Kuafu Family, Wanted To Take Off The Sun, So He Began To Race With The Sun Day By Day. After Drinking Up The Yellow River And Wei River When Thirsty, He Died Of Thirst On The Way To Daze Road. His Walking Stick Turned Into A Peach Forest And His Body Turned Into Kuafu Mountain.

Interview

Question: What do Different People Live For?

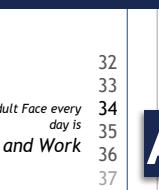


BABY



TEEN

People Aged from Teens to Forties Might be the Most Confused Group that Doubting their Life Ambition.



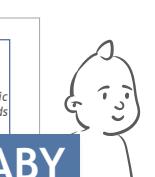
ADULT



ELDER

Conclusion: In the Continuous Growth and Learning, many People will Gradually Lose their Goals and Cognition. Especially in the period after Leaving School, until the Experienced Old Age.

Persona

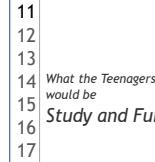


World in Children's Eyes

Toy

Care

Food



World in Teen's Eyes

Study

Love

Future

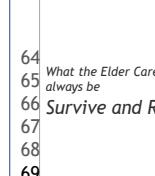


World in Adults' Eyes

Job

Life

Money



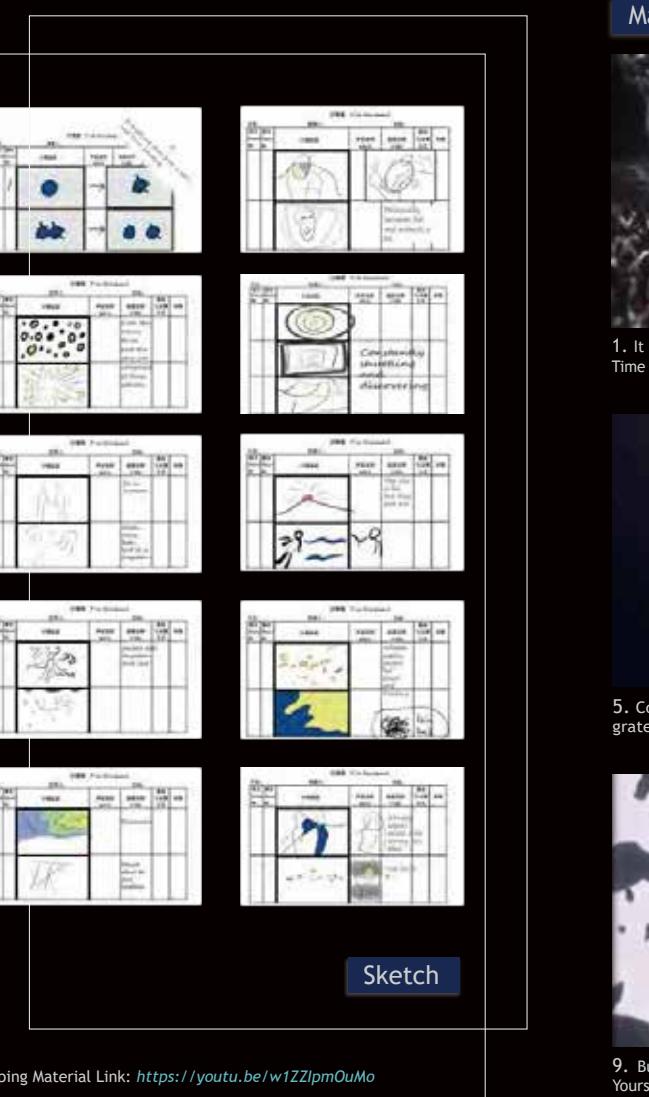
World in The Old's Eyes

Lifetime

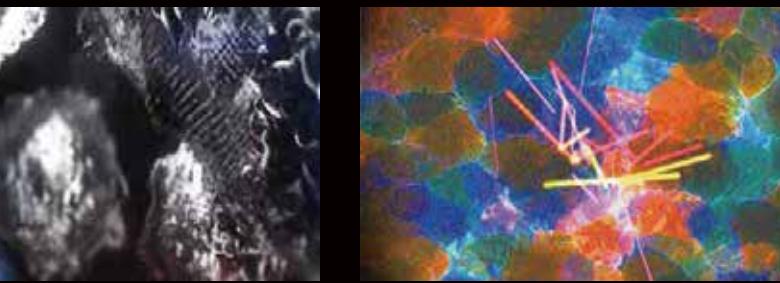
Kids

Aspiration

Sketch and Visual Effect Demonstration



Mapping Content



1. It Represents the Beginning of the Story and it is also My First Time Having an Independent Thinking.



2. This thought became stronger and stronger, until the impact came out and I took action.



3. I start to regard myself as a heterogeneous, Special and Lonely.



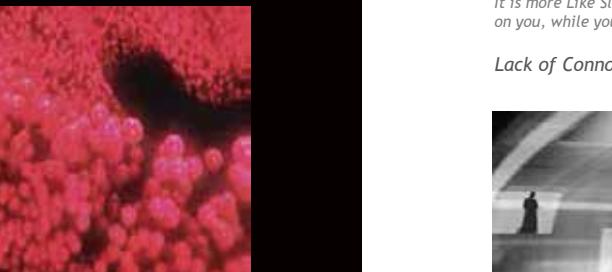
4. Feeling more and more Lonely and Gradually Stuck in it Deeper.



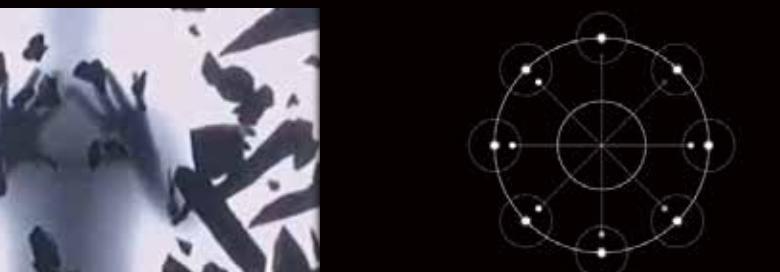
5. Constantly Lowering My own Standards, in order to Integrate into Various Groups.



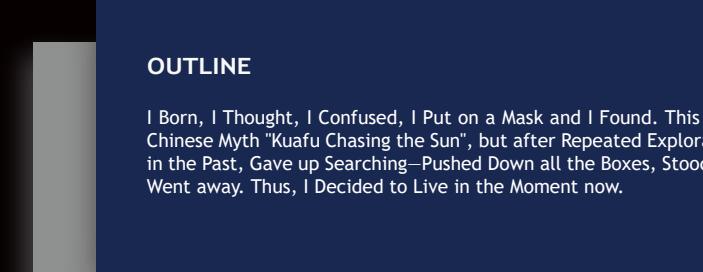
6. Overcome many Difficulties, Experienced many Things, Met many Groups.



7. Although it is Far from Finding the Real Me, My Personality has Become more Complete.



9. But it also made Me Fully Awakened, since You can not Find Yourself, don not Force Yourself, Live in the Moment.



10. All Things will be Nothing Sooner or Later. And Everything Restart.

OUTLINE

I Born, I Thought, I Confused, I Put on a Mask and I Found. This Journey is very Similar to the Chinese Myth "Kuafu Chasing the Sun", but after Repeated Explorations, I Overthrew Everything in the Past, Gave up Searching—Pushed Down all the Boxes, Stood up from the Installation, and Went away. Thus, I Decided to Live in the Moment now.

More like Telling than Finding as well, and too Many Images will cause a Confusion.

Conclusion: I will use Paper Boxes and Build them into Shapes, then Map the Video on Boxes.

Plan Evaluation



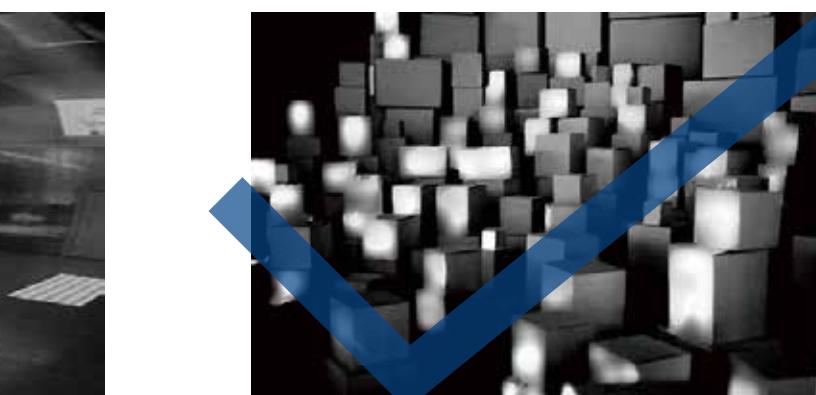
It is more Like Slides to show a Story one by one. People could Realize what Happened on you, while you are still Difficult to Figure Out who you are actually.



Lack of Connotation and Little Sense of Substitution.



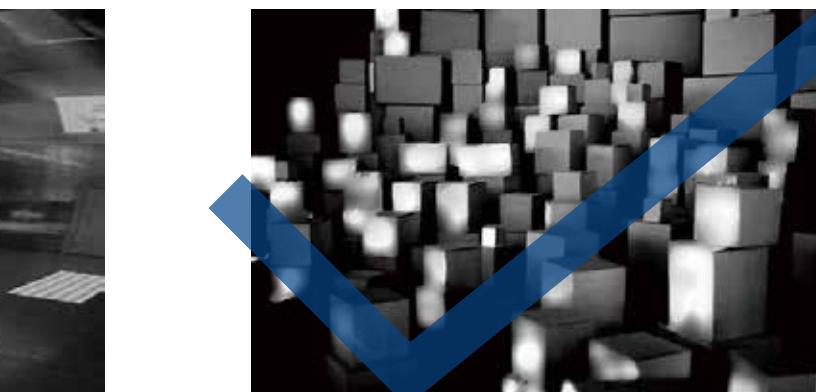
Participate in and Manipulate these Stories to Find the Meaning of these Actions.



There is a Participation but it is still more like Someone else's Story.



Become a part of the Video and Guide the Audience to Understand the Development of the Story Together and Participate in the Exploration Together.



Boxes are Easy to Handle and Disassemble and Reassemble. The Content is Concise and the main Character is Clear.

Final Outcome

Pictures are all from the Full Video: <https://youtu.be/4cmi7lGuT1E>



盒子 Box

try to integrate into other groups, but still cannot succeed. The extra one on the top stands for Me.



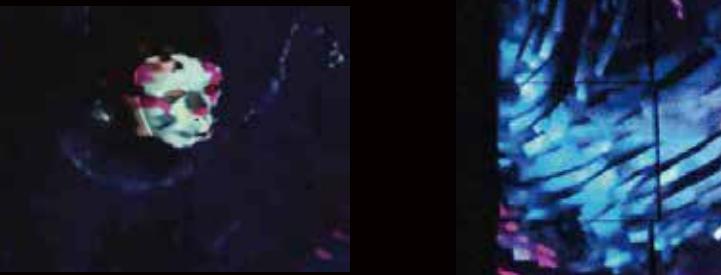
粒子 Particle

All people and things start from a particle and gradually become more complex and complete.



Mask

and be able to
not know who I am.



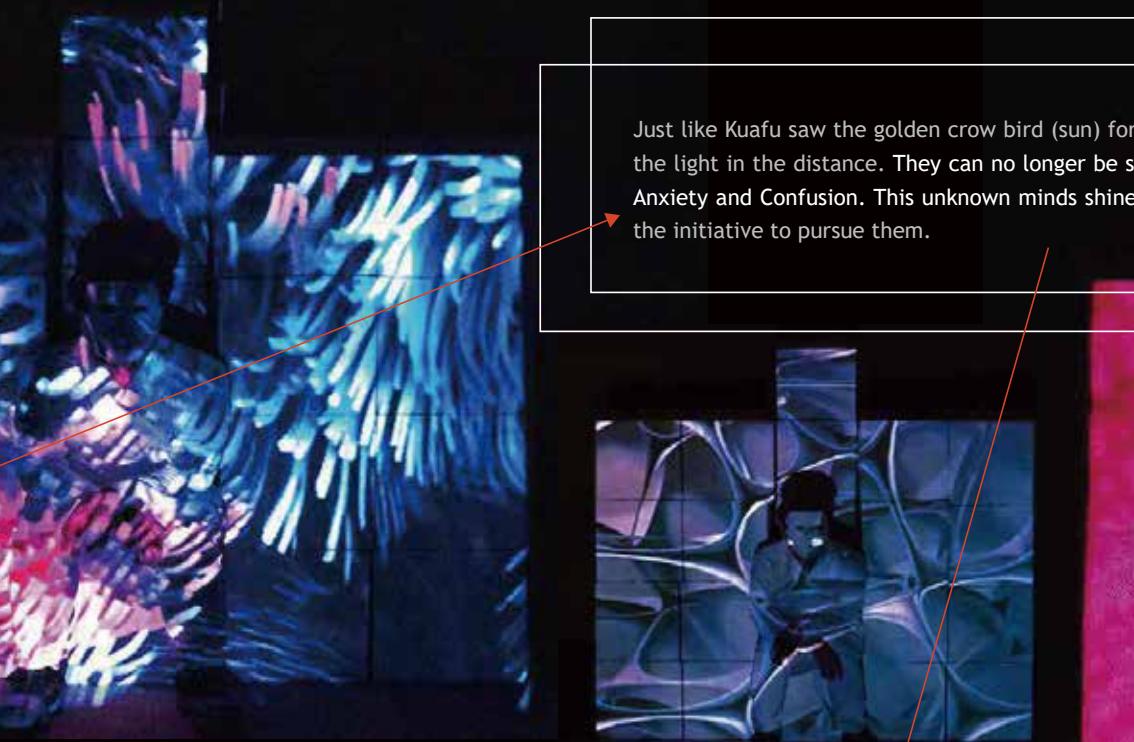
Meaning of Mapping Contents

son of Mother Youdu, always in seen Light.



Jellyfish

I animals but they seem very lonely. I'm in a crowd



messy visual images, people inner light.

细胞 Cell



1



虛无 Nothingness

虛元 Nothingness



爆炸 Explosions

Sometimes, when I felt really Confused and Exhausted, I just had the idea like “Forget it, don’t look for it, it doesn’t matter.”



THE WIND RISES

Keywords | Control, Interpersonal Relationships, Dandelion, Love, Self-Free
Media | Interactive Video Installation
Team Project | 2021.10.15-2021.11.20

Theme

My mother did her best to enrich me materially. But at the same time, she also exercised strict control over me mentally, and in the process of submitting to her, I found myself slowly becoming another her.

This kind of "Control in the Name of Love" may exist in the interpersonal relationships, whether they are leader-member relations, couples, or friends.

Some people are aware of the problem but don't know how to change it; others become numb through endurance and choose not to act.

Link

<https://youtu.be/GoEenNktreA>

Aim

To let more people realize that "control in the name of love" is a serious problem and that it is an expression of extreme selfishness.

I hope this work will bring warmth and comfort to those who are controlled. Besides, to encourage them to be brave to pursue what they want.

Also, to make my mother understand the damage this control has done to me and my desire to be free to make my own choices in life.

BACKGROUND



1. My Mother Raised Me Up, any Financial Needs from me will be Satisfied.
2. She controlled many things of Me, so I usually Quarrel with my Mother for What I Want.
3. Even if I have my own Cognition as I grow up, I perform the same behaviors as my mother did gradually.
4. In Fact, "Controlling and Being Controlled" also Exists in many Other Interpersonal Interactions.



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4. In Fact, "Controlling and Being Controlled" also Exists in many Other Interpersonal Interactions.

How Could these "Controlling" be Noticed and Released in Some Way?

MAPPING DESIGN



Dandelion Swaying in the Wind

It is like People who is Numb in being Controlled, Just Flying with the Flow.



Dandelion Seeds Drifting Away

It Symbolizes the Rebellious groups who Fight for their Freedom and Other Rights.



Dandelion Was Burned

Some People will Take Fierce Behaviors to Resist Control, and even Commit Suicide or Violence.



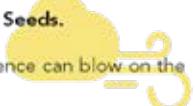
Reason of Using "Dandelions"

- #1 The Flower Language of Dandelion is **Freedom**, and its Seeds will Drift to Various Places with the Wind.
- #2 It also Represents those who Bravely Pursue Freedom and **Express their Yearning and Pursuit of Freedom**. Besides, it represents a Special Destiny: **Love Needs Freedom**.
- So Our Freedom are Controlled by Each Relationships that Can Not Take Root and Sprout. Therefore, the Wind is Needed to Survive or the Dandelions will Die.

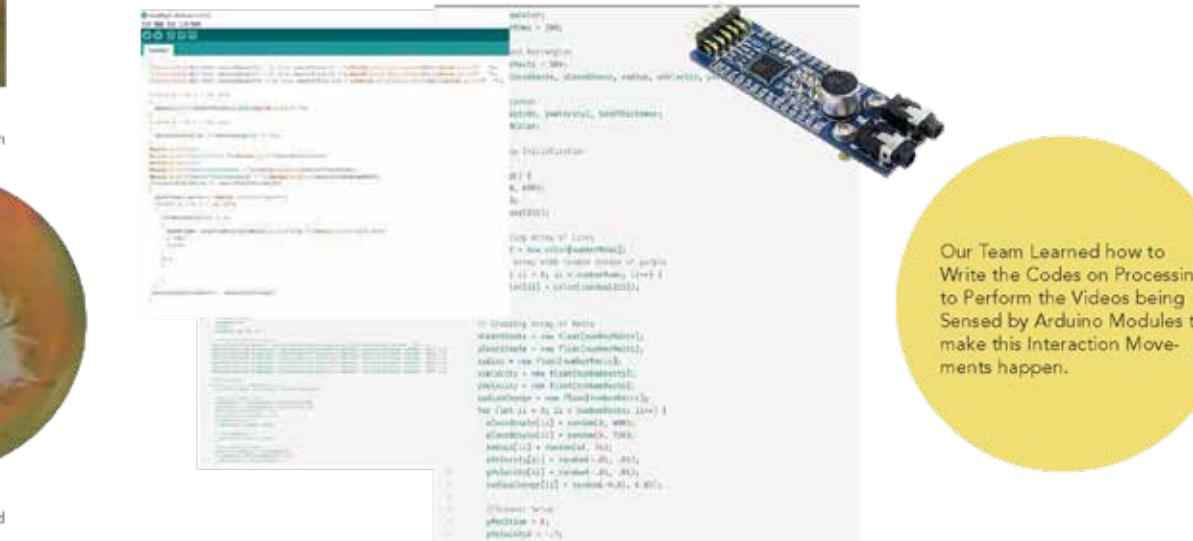


Reason of Using "Wind Sound"

- Wind is also the **Medium for the Growth** of Dandelions, and dandelions need wind to **Spread Seeds**.
- This symbolizes a kind of power that can bring the audience's yearning for freedom. The audience can blow on the dandelion, **Pin the Wishes or Dreams** on the dandelion and fly away together.



PROGRAM PROCESS



Our Team Learned how to Write the Codes on Processing to Perform the Videos being Sensed by Arduino Modules to make this Interaction Movements happen.

CONSTRUCTION PROCESS



Our Team put the Old Shoes and Old Newspapers in the Planned position, and then Pixed the Helium-filled Balloons with Iron Wire. Finally, the Danelions Video will be Sensed and Projected on the Balloons.



FINAL OUTCOME



Materials: Balloons, Old Shoes, Old Newspaper, Iron Wires, Projections, Arduino Modules

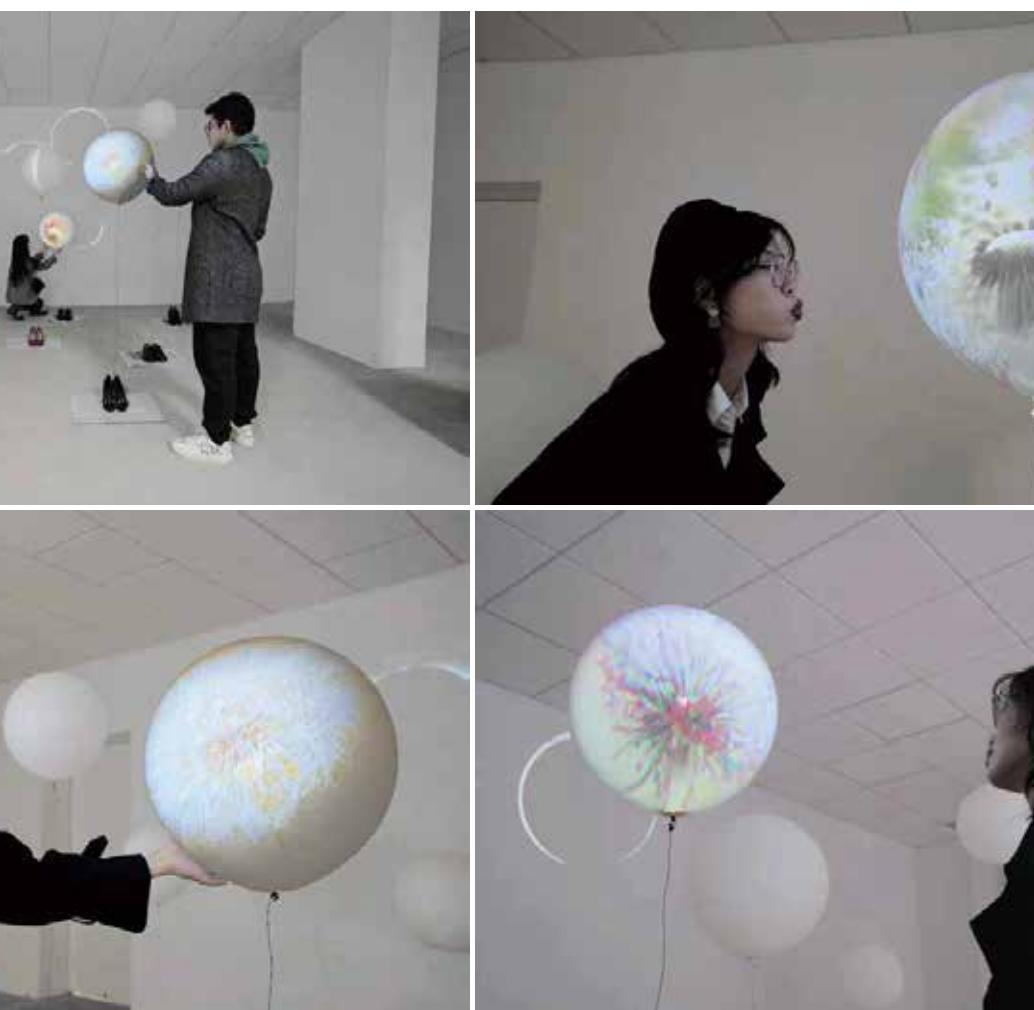
Size: Width- 3.6m, Length- 5.2m, Height- 2.4m

Exhibition Address: No.758 Xi Zang Nan Rd, Huangpu District, Shanghai, China

Date: 2021.11.12 - 11.15

Full Video Link:
<https://youtu.be/GoEenNktreA>

INTERACTION DETAILS



The projections will be sensed to light up when the audience walk in front of the balloon.

The dandelions will burn when the audience do not have any actions with the balloons, and the dandelions will shake when the balloons be touched. Besides, if the audience blow the balloons, the dandelions will fly away, which represents the wind rises, and set the controlled people free.

SELF-REFLECTION

#1 I have learnt how to make a Cooperation Projects, working as a team is a new experience to me as an Interaction Designer.

#2 Besides, Utilized the Arduino which programmed with sensors and Processing also Challenged me, however, I would like to explore more with art and technology, which is really exciting.



My Teammate-Xinyang Huang and I

#3 This piece of work can also be considered as a Contemporary Art work. Such an Interaction Video Installation could also be improved and worked with the Public Art Spaces to arouse people to rethink about "control in the name of love" in their Interpersonal Relationships.