

Generate

PEI 1 Preferences and reasons for use

Type

iPhone (14)

Reason

convenient (8)

only have iPhone (6)

PEI 4 Practical application scenarios

Would you use this in the kitchen

Yes(11)

not(3)

other scenario

Daily(6)

Entertainment(5)

Learning and work(4)

PEI 2 User experience

Baseline Drawback

distraction(2)

Bad time management (5)

Other(2)

cumbersome operation(8)

Spatial timers benefits

Visibility(4)

intuitive(6)

Easy to operate(4)

quick to access(3)

First impressions

Positive(7)

negative(4)

normal(3)

PEI 3 Functional Assessment and Comparison

Advancement

Other(1)

Advanced(13)

Experiences changes

Intuitive Interaction(13)

normal feedback(5)

unexpected features

positive experience(3)

function feedback(4)

satisfied(1)

Spatial Timer provide better control and task monitoring

yes (14)

PEI 5 Suggested improvements

Features feedback

Satisfied(10)

Dissatisfied(10)

suggestions

Satisfied(4)

more function(9)

Custom UI(5)

PEI 6 Selection Preference

Type

Spatial Timer (14)

Evaluate

Future work

Set development direction based on user satisfaction and improvement ideas.

Focus Area 1

Concrete improvement measures for negative feedback and feature requirements as mentioned in the user experience.

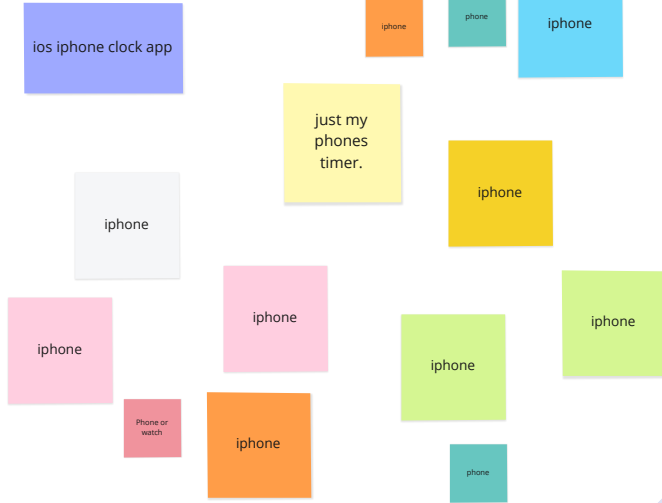
Focus Area 2

Consider user preferences and actual usage scenarios

Focus Area 3

PEI 1 Preferences and reasons for use

Type



Reason



Stickies



PEI 6 Selection Preference

Spatial Timer

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Spatial Timer

Stickies



Drawback when using the mobile phone timers

distraction

Can't focus on multiple tasks all the time

iphone: need to check consistently

Bad time management

Not much of a time alert when multitasking

Can't identify the timer's label in time

Can't check it all the time.

when set long time, i'll forget

sliding the time

cumbersome operation

Gotta hold it all the time. The phone screen turns off.

inconvenient to carry it up and down.

so many steps to get into the timer

Other

I don't think I had

useless

Gotta hold it all the time.

Gotta hold it all the time. The phone screen turns off.

hold it all the time.

too many steps

Gotta hold it all the time.

Stickies



benefits when using the spatial timer in the experiments

Visibility

Spatial : can
check the
time clealy

More clarity
on time

easy
to see

visiable

quick to access

quick

locate
whatever i
want

locate
whatever i
want

Like clock on
the wall

Feel free to
copy it.

tap
away,grab it
and move it

are able to move the time
around

Easy to operate

intuitive

virtual panel right on
top of what I'm trying
to do and is more
noticeable

Know exactly
where the
time is and
how long the
mission is

place the
timer in each
task. save
time

Time is easy to check. Turn
your head and you can see
it, the zoom in and out
feature is especially handy

Feel free to
define where
to put it

doesn't feel
physical.

Stickies



First impressions

Positive

It's amazing.
I've never
experienced
high tech.

quite
cool,useful

cool

cool

fun

It's fun, but
complicated
at first

Cool, high-
tech, future
technology
products

normal

unknown

It's no
different than
a timer.

Flexible

negative

need to get used it. got the
learning curve.

unusual,
every thing is
new

it feels like it will
be difficult, but
in reality you
will find it very
easy to use!

not getting
used it

Stickies



Spatial Timer, what do you think of its sophistication?

quite
advanced

Better than a
mobile
phone. Very
innovative.

It will come in
convenient for a lot
of people. But
hopefully it will be
lighter in the future,
this head unit is too
heavy

Yes, really
good

quite
advanced

quite advanced

advanced!!

Very
advanced,
very
promising

like a sticky
note. very
advanced

confused ,

It's very advanced, and will
come in handy in other
scenarios when the
environmental effects are
removed in the future

It's so
advanced, it
feels like it
doesn't exist in
reality

quite
advanced

It's the
future.

Stickies



Did anything change in your experience when using the Spatial Timer for time management and multitasking? Does it feel more intuitive

Spatial timer I only need to operate by time how to set it up

Less movement, more intuitive, parallel operation. More human logic

It's more intuitive, it feels inside the time

indeed more intuitive, just on top of the tasks, prompting me to do something

easier to track to time

skew morphism makes it very intuitive

Yes, very nice for me

but it is useless when I using the phone

Very different, mobile phones have to be looked at all the time in the burner and you can't always find them.

Very intuitive, even in the room, spatial timer can be seen at all times, you can remind you to do some things

It's very intuitive, and it's a great way to get involved.

Had to get used to it.

Intuitive, more in spatial timer

Baseline feels like two parallel lines with time
Spatial timer feels like it's in time, bound to time.

Intuitive

More intuitive, more visual

But basically, I have to interact with the whole thing.

convenient being able to zoom it.

Stickies



unexpected in using the Spatial Timer

It will alert you when it's almost over and change colour. It doesn't happen on mobile phones.

really convient when doing the task

Operational, more design-oriented

Seems reasonable enough.

Depending on the person's habits, some people's unconscious actions trigger some functions

Can be zoomed in and out, position can be adjusted at will

It's under the light. It's affecting my interactions.

It's so easy to do tasks. It's great.

Timer visual feedback is obvious

Not yet, its good

Stickies



Does Spatial Timer provide better control and task monitoring than the time management tool you are currently using

Yes

Yes

It must be provided,
when setting multiple
timers on a mobile
phone you often don't
know which one
corresponds to which
task!

Yes

Yes

Yes

Does make
more
convinent for
me

Yes

Yes

Yes

Yes, decrease the
demand (physical
and mental)

Yes

Yes, more
free
movement.

Monitoring
time is very
convenient

Stickies



satisfied features or dissatisfied features

Place it anywhere
Clearly see which
task is timing out

easy handling

know how
much time is
left in the
countdown.

It's fun, and you can
change the size at will

Position is
flexiable

need to practice to
familiarize the
interaction. sometimes
cant catch my motion

It's a bit
tiring, and
the headset
is heavy.

Improper
operation may
trigger some
functions

Can't see well
when I walk.

noise was
quite loud

The test
equipment is
heavy. It's hard
on the head.

easy to find
the time

ability to
move around
the timer

Can be
dragged and
dropped.
Hangs in view.

Not used to
it.

No seconds.

Resize, pick it
up

Reminders,
easy to
operate

Manoeuvring is more
cumbersome than a mobile
phone.
Sometimes the sensors are
not sensitive

need
Second

Stickies



Suggestions for improvements or feature additions

Custom ui.
color. keep
face on me

long distance
interaction

remote
control

Change
colours to
distinguish
between
different timer

automatically
adjust. lock
the position

It feels okay
to have all
the main
features

Add arrows
to direct me
to where the
next task is

Add arrows to guide me to
where the next task is

Plus the setting of the
seconds

The colours
could be more
visible as the
prompt time is
approaching

Nothing for
now. It feels
complete

no, every
thing is fine

speak set 2
mins.

colour, Not
enough 3d
sense

glitches

Personalised
colours,
custom

Control with
your eyes.
Gaze.

Not yet.

Stickies



Drawback when using the mobile phone timers

Can't focus
on multiple
tasks all the
time

Gotta hold it
all the time.
The phone
screen turns
off.

Can't identify
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steps to get
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ios iphone clock app

iphone

just my phones timer.

iphone

iphone

phone

Phone or watch

iphone

iphone

iphone

phone

[illegible]

only have iPhone

Stickies



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apple vision
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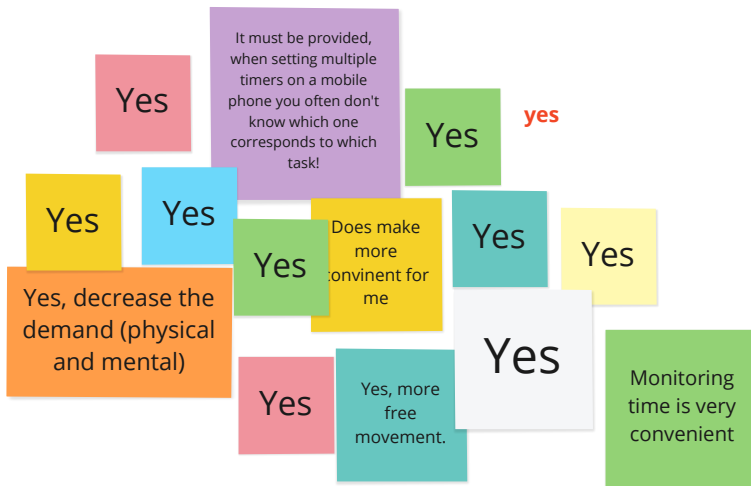
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It's under the light. It's affecting my interactions.

Stickies



Does Spatial Timer provide better control and task monitoring than the time management tool you are currently using



Stickies



Would you use this in the kitchen if it were available in your glasses

Will use in the kitchen

Definitely. It's very convenient.

Yes, it's about time control.

definitely

definitely

Yes

definitely

absolutly

of course

Yes, and as a navigator while driving.

if im going to focus on another thing at the same time

I have this purchase plan.

absolutly

If the weighted of the device reduced. definitely

Will not

no, it is not quite clear at the moment

No. i dont use time

when student sitting in the exam

Stickies



If the spatial timer technology is available for everyday use (e.g. through smart glasses), how likely would you be to use it for personal or professional tasks?

Learning and work

In the room or at school when studying, next to the computer, there is a to-do list, what should be done now

Study

Work, listing importance

Learning, Incorporating Tomato Timing

Daily

Still quite a lot of aspects. Taking temperatures, eating self-heating hot pots.

running, exercises

Life can be used at any time. Exercise, free your hands

Airplane

Laundry

I'll wear it when I get up.

entertainment

Yes. Kitchen. Masking.

Entertainment source

entertainment

yes, as a additional screen

Entertainment

Stickies



satisfied features or dissatisfied features

Satisfied

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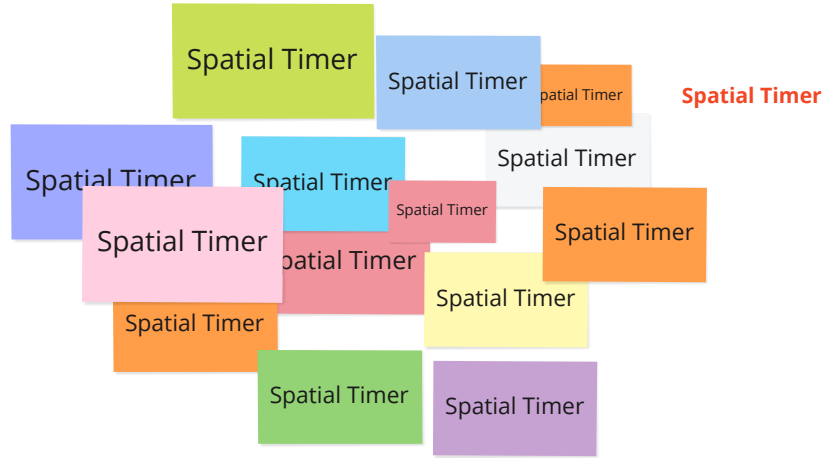
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PEI 6 Selection Preference



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xinuo zhou

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