



NORTEKTM
SECURITY & CONTROL

Security panel (GC3)

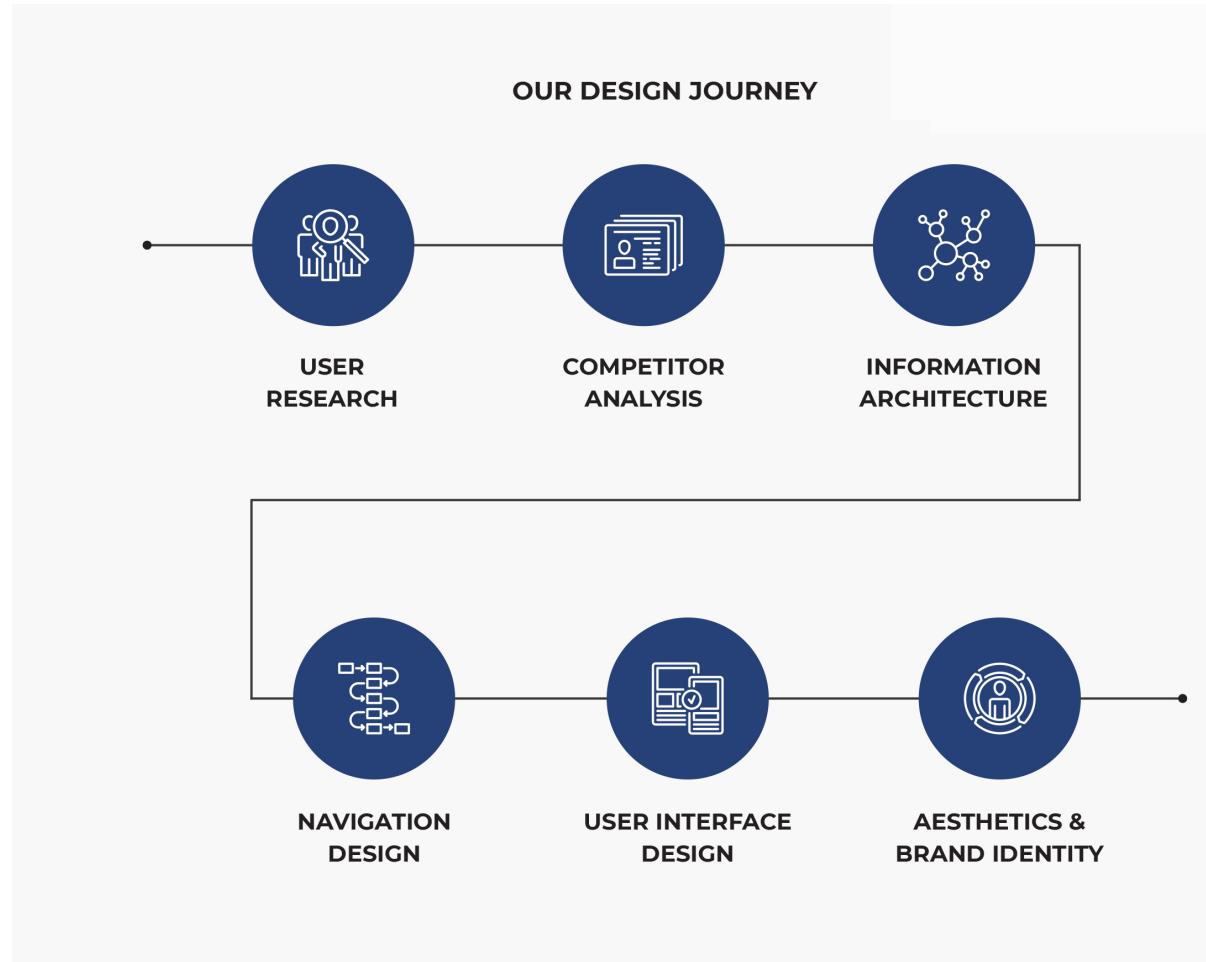
Helps users to enable security for their homes and also provides smart home features.

Our Design Thinking

Nortek's Smart Home systems not only monitor and protect your family, they simplify your life. Nortek's systems can turn on and off lights and appliances, raise or close blinds, change the temperature or do all of these with just one action/command.

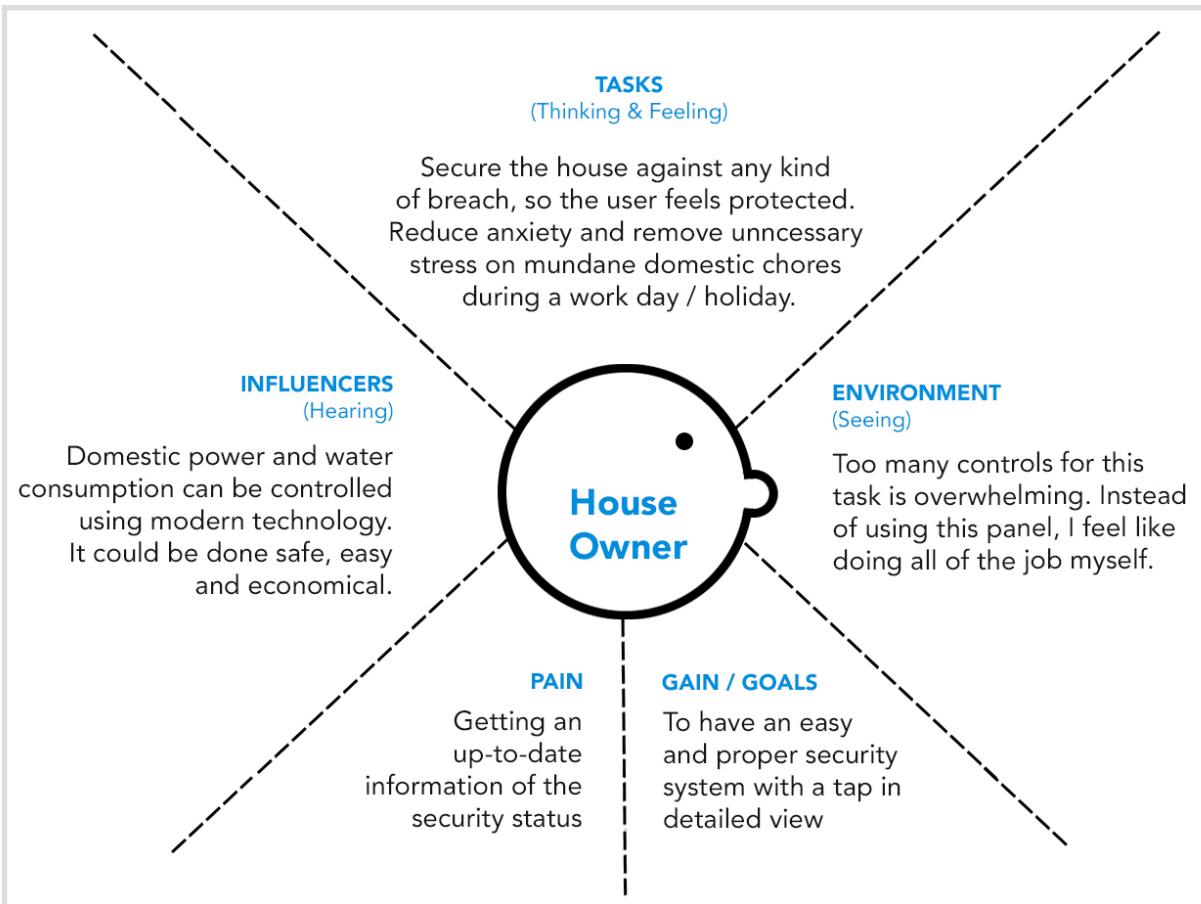
We approached this problem using "**Lean & Agile UX Principles**". We empathise with the pain points of the existing system/UI, define user experience issues and ideate on possible solutions.

While designing, we make hypotheses, take "word-of-mouth" suggestions from stakeholders and move on.



Empathy Mapping

An empathy map is a collaborative tool, designers use to gain a deeper insight into their customers. The map plots all the emotions a user has upon using a product/service.



Persona Objectives:

- Provide a high quality dashboard
- Make it simple & interactive
- Great visibility to the system
- Action and alert focused UI

Experience Definition

1

Useful

Does it do something people need done?

2

Learnable

Can people figure out how to use it?

3

Memorable

Do they have to relearn it each time they use it?

4

Efficient

Does it do it with a reasonable amount of time and effort?

5

Delightful

Is using it enjoyable, or even fun?

6

Affordance

Does the user have an interaction?

Our Design Goals



Show Relevance
To make user focused and distraction-free

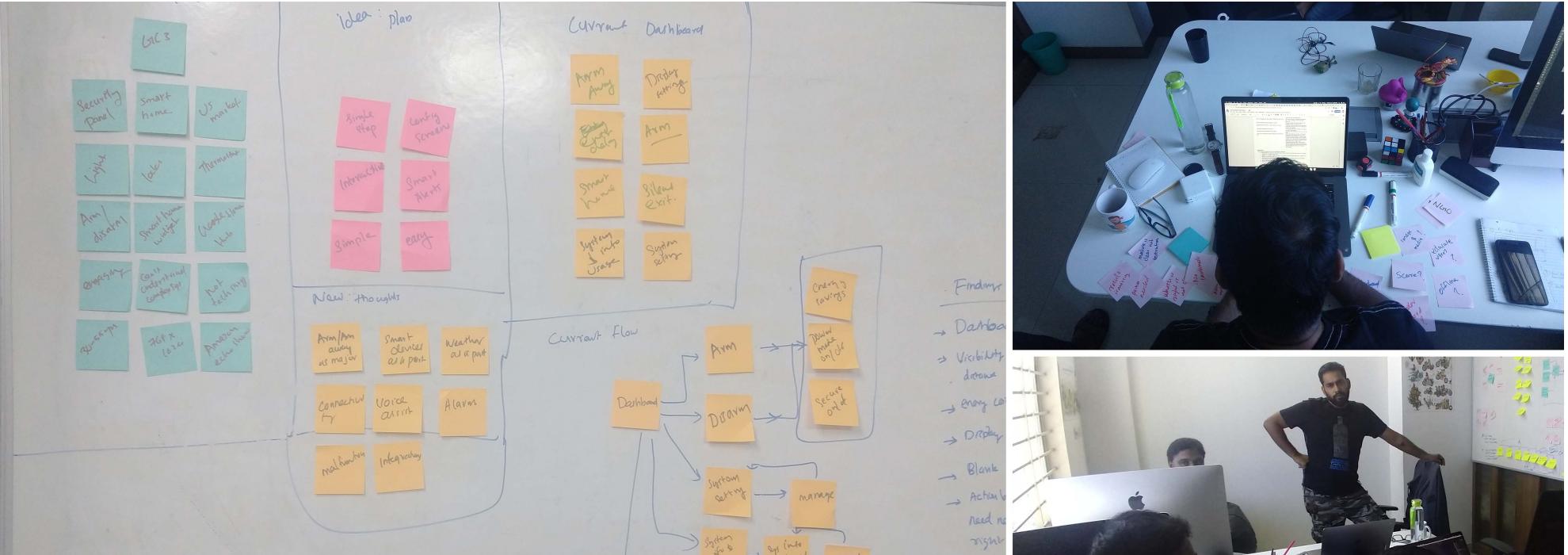


Progressive disclosure
Funnel view towards the data renders easy findability



Keep in the same page
Keeping the user in the same page and managing load by interactions.

Ideation



Bold and bright

Day and night modes

Device brightness control

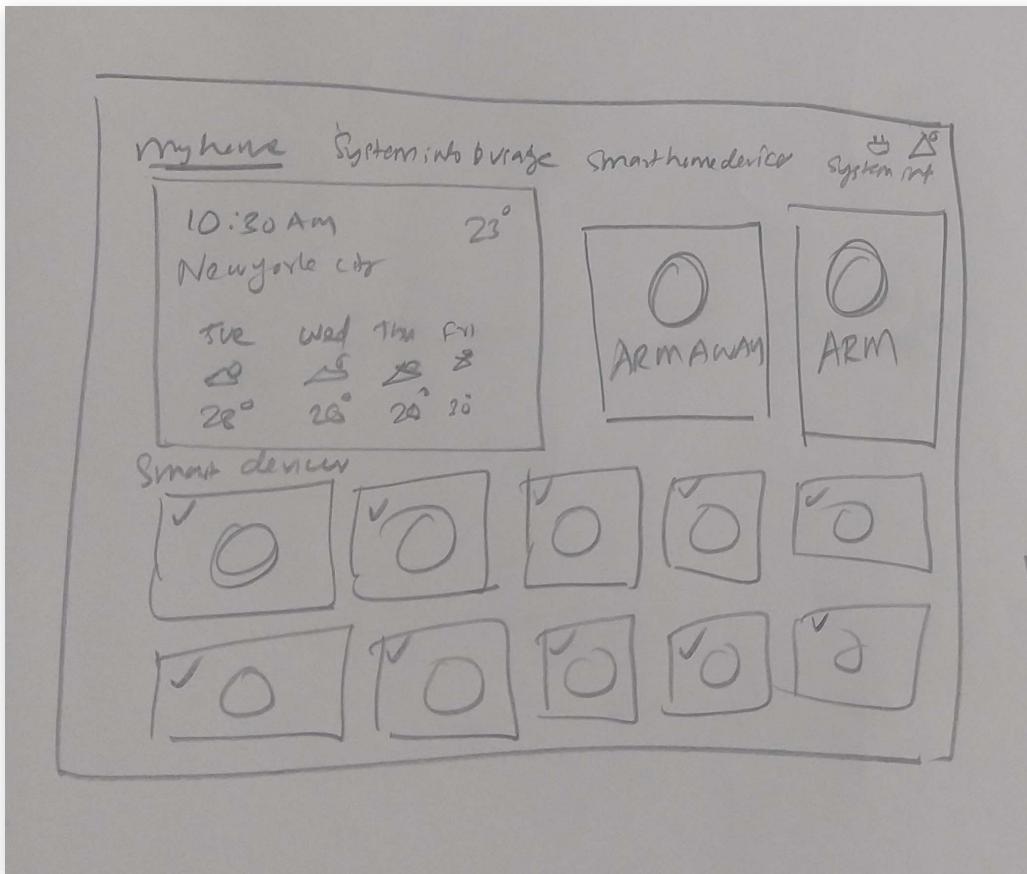
Focused actions

Dark theme approach

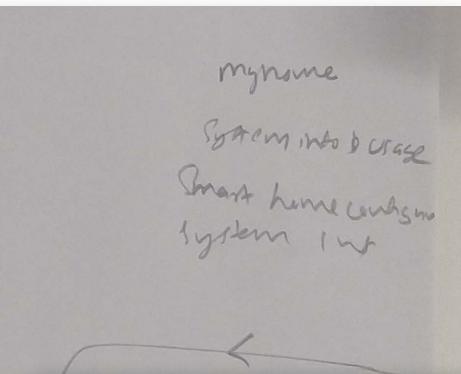
Smart devices status

Voice assists

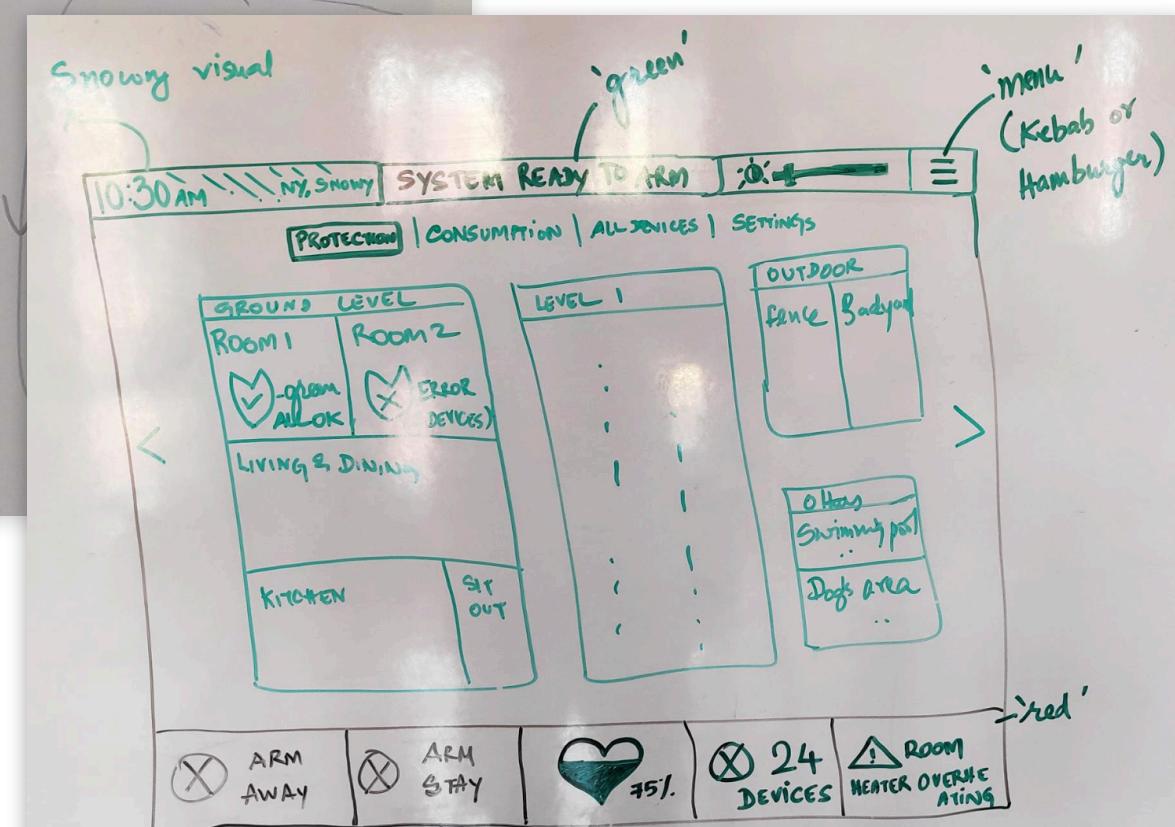
Prototypes



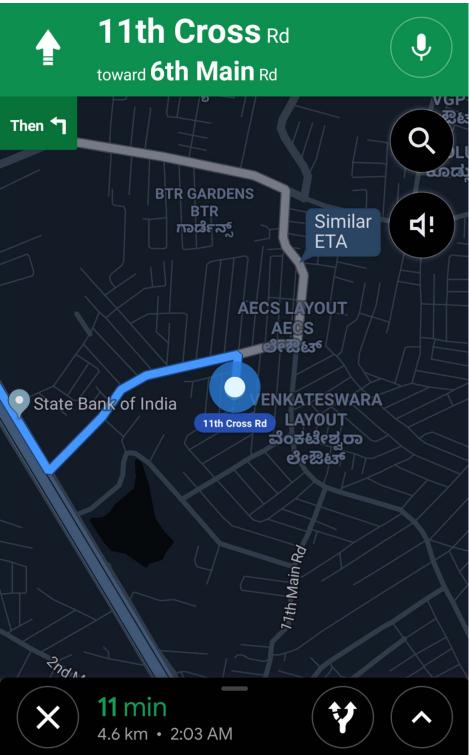
Option1



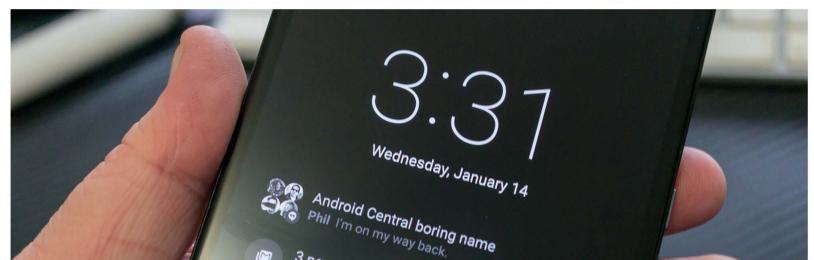
Option2



Mood Boards & Inspirations



```
1 // attributes with embedded PHP (clearer variant of setting attributes)
2 .gallery(id="#{$album->id}" data-parent-id="#{$album->getParent()->id}" data-preview-style="slide")
3 // single PHP line
4 - foreach ($album->images as $img)
5 - // PHP block
6 :php
7   $imgSrc = App::config()->imageServer $img >src;
8   $imgTitle = App::utils()->charLimit($img->title, 50);
9
10 .preview
11 // mix with Ruby-like attributes (more complex variant of setting attributes)
12 %a(href="#{$imgSrc}" target="blank", data-action="preview")
13   %img(src => "{$imgSrc}", alt => Image{$img->title} @YourSite" :border=> "none")
14
15 // echo PHP variable value into tag content
16 %em.title(data-image-id="#{$img->id}")
17   = $imgTitle
18
19 %em.timeago= $img->created_at
20
21 :css
22 /* CSS block */
23 .gallery {
```



 To get inspired

 To talk less and show more

 To find a style for a design

 To involve clients in a process

 To enhance communication with customers

Typography & Colors



Works well for all screen types

Trendy and Neo style

Great flexibility

LOGO



PRIMARY

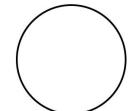


#124C89

NEUTRAL



#000000



#FFFFFF

BACKGROUND



#0C161C
100%



#001F31
100%



#061E38
100%

SECONDARY (INSPIRED FROM THE RESEARCH)



MANDYA
#E1574C



OCEAN
#3B78F7



TURQUOISE
#00CFF2

Iconography

Main icons optimised for day and night use

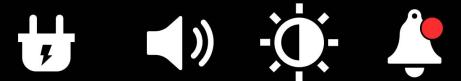


Navigation menu icons

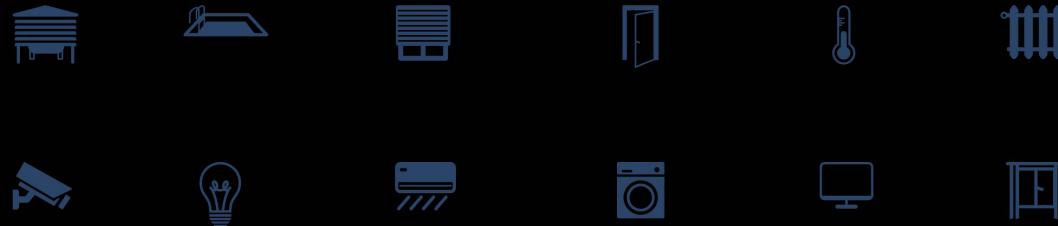


 **System Ready for Arm**

System icons



Smart device icons



UI Decisions



- ➊ **Dark background** - 90% of the vehicle digital displays keep it light as well focus on the information. Dark background reduces energy consumption, works great in day and night and work form a visible distance with minimal distraction.
- ➋ **Bright colours for information icons** - Using bright colour tone for icons and call-to-actions will get more contrast. This concept is inspired by ambient light settings found in smart phones of today.
- ➌ **Major actions on right side** - Ergonomically placing the most important actions/CTA on the right gives them more affordance and provides easy access.
- ➍ **Device Status**- This give the user a summary about the smart devices connected and indicate error.

Visual Designs: Concept 1

MY HOME

SYSTEM USAGE

SMART DEVICES

SETTINGS

10:30PM

MON, NEW YORK CITY

23° RAINY

TUE 28° WED 29° THU 22° FRI 19° SAT 18°

ARM STAY

ARM AWAY

GARAGE

POOL

ROOM HEATER

DOOR

THERMOSTAT

FENCE

CAMERA

LIGHTS

AIR CONDITIONER

WASHING MACHINE

TELEVISION

WINDOWS

SYSTEM READY TO ARM

VIEW ALL DEVICES

Visual Designs: Concept 1

MY HOME

SYSTEM USAGE

SMART DEVICES

SETTINGS

10:30PM
MON, NEW YORK CITY

23° RAINY

TUE 28° WED 29° THU 22° FRI 19° SAT 18°

ARM STAY

ARM AWAY

GARAGE

POOL

ROOM HEATER

DOOR

THERMOSTAT

FENCE

CAMERA

LIGHTS

AIR CONDITIONER

WASHING MACH..

TELEVISION

WINDOWS

SYSTEM READY TO ARM

VIEW ALL DEVICES

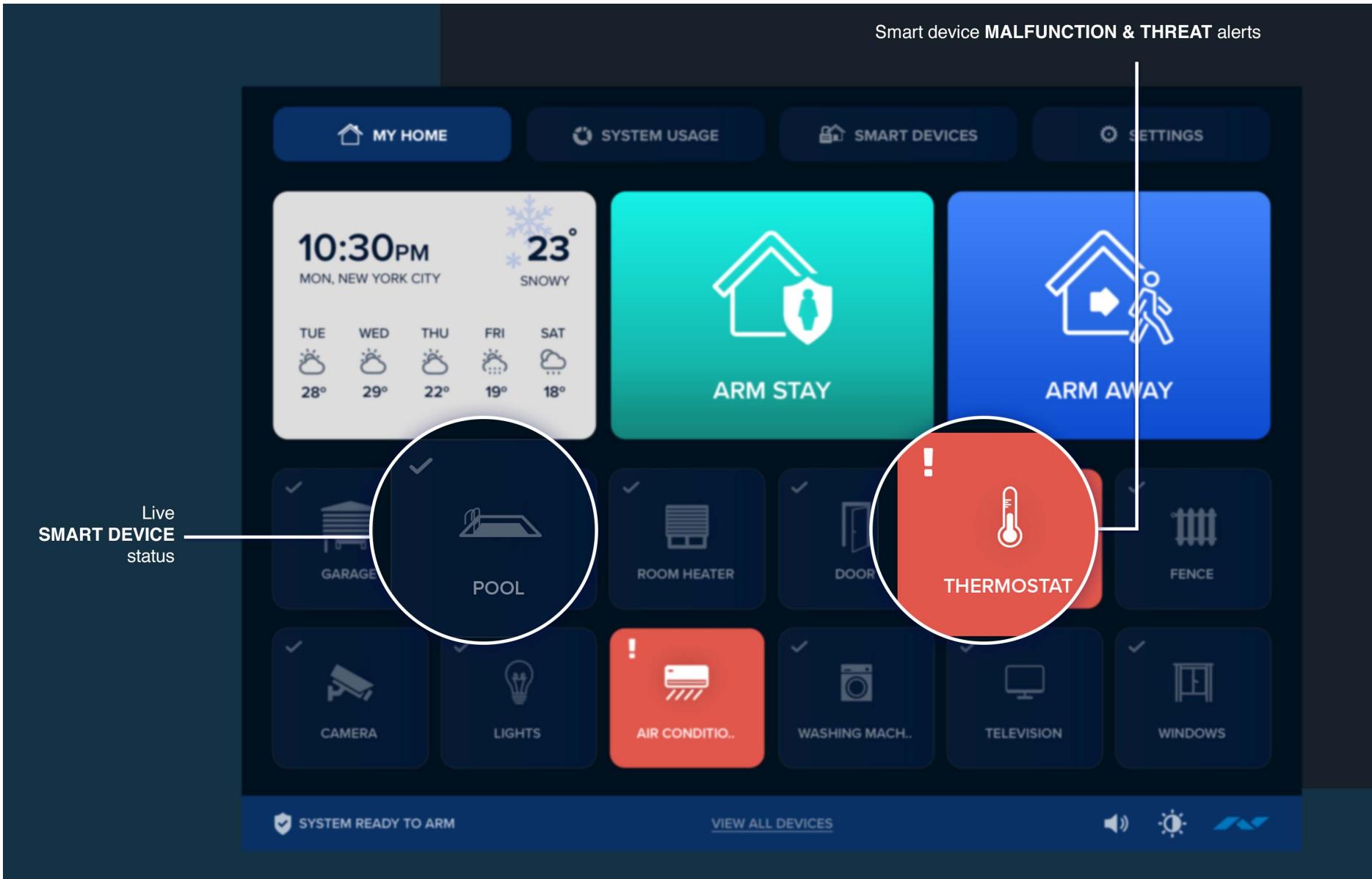
Visual Designs: Concept 1



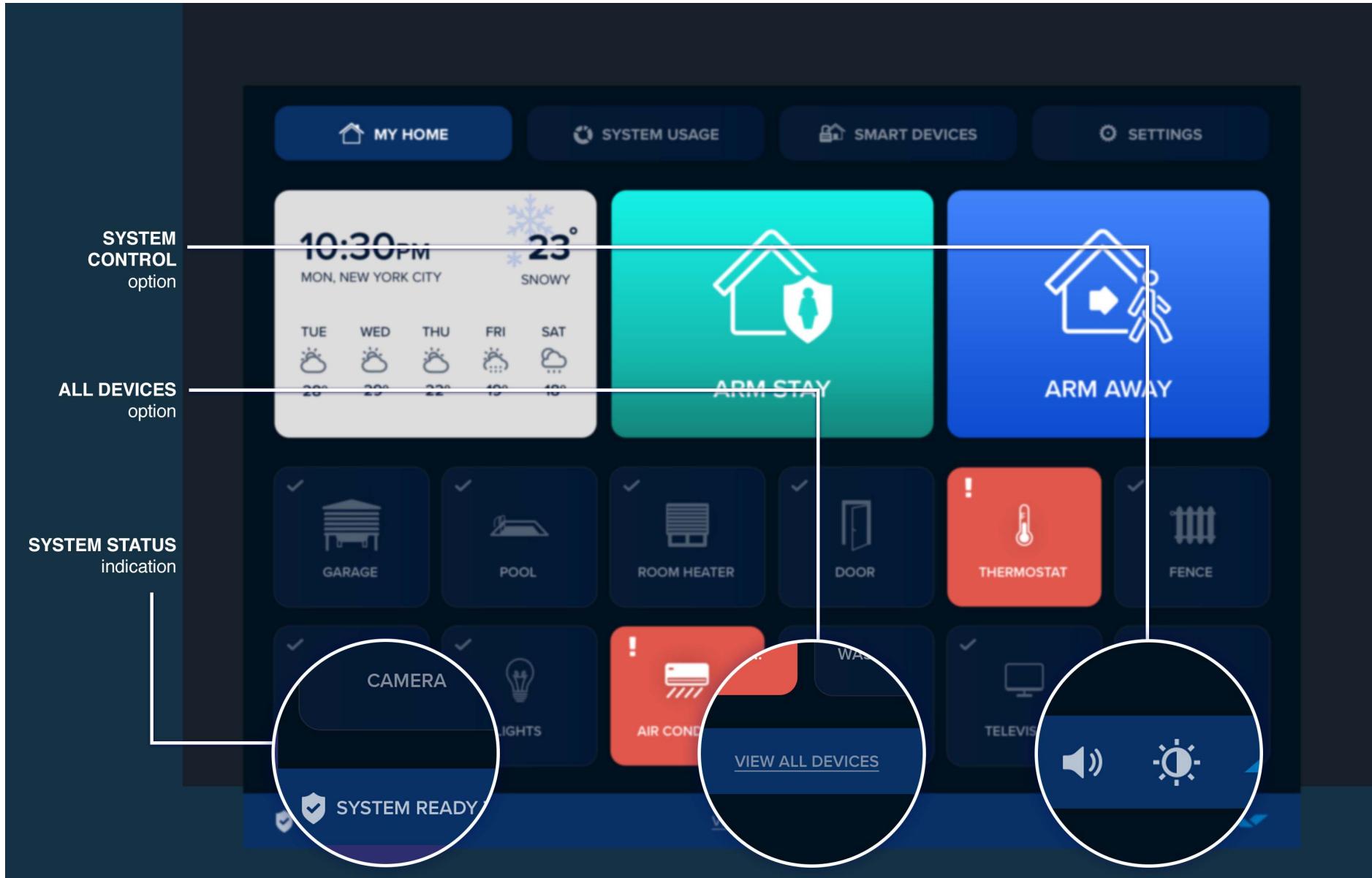
Visual Designs: Concept 1



Visual Designs: Concept 1



Visual Designs: Concept 1



Visual Designs: Concept 1

The image shows a dark-themed mobile application interface for a smart home system. At the top, there are four navigation buttons: 'MY HOME' (with a house icon), 'SYSTEM USAGE' (with a circular icon), 'SMART DEVICES' (with a house and gear icon), and 'SETTINGS' (with a gear icon). Below these are two large buttons: 'ARM STAY' (green background, house with shield and person icon) and 'ARM AWAY' (blue background, house with person walking icon). To the left of the main content area is a weather forecast card for New York City, showing the current time (10:30 PM), date (MON, NEW YORK CITY), temperature (23°), and a 5-day forecast with icons and temperatures: TUE (28°), WED (29°), THU (22°), FRI (19°), and SAT (18°). Below the weather card are two rows of six device status cards each. The first row includes: GARAGE (checked), POOL (checked), ROOM HEATER (checked), DOOR (checked), THERMOSTAT (checked), and FENCE (checked). The second row includes: CAMERA (checked), LIGHTS (checked), AIR CONDITIONER (checked), WASHING MACH.. (checked), TELEVISION (checked), and a partially visible card for NEWS. At the bottom of the screen are three buttons: 'SYSTEM READY TO ARM' (with a shield icon), 'VIEW ALL DEVICES' (with a house icon), and a volume/sound icon. The bottom right corner features the HashedIn logo.

10:30PM
MON, NEW YORK CITY
23° RAINY

TUE WED THU FRI SAT
28° 29° 22° 19° 18°

ARM STAY

ARM AWAY

GARAGE POOL ROOM HEATER DOOR THERMOSTAT FENCE

CAMERA LIGHTS AIR CONDITIONER WASHING MACH.. TELEVISION

SYSTEM READY TO ARM

VIEW ALL DEVICES

NEWS

HashedIn.com

Visual Designs: Concept 2

SYSTEM READY TO ARM

10:30PM
MON, NEW YORK CITY

23°
SNOWY

TUE	Cloudy	36°	28°
WED	Cloudy	36°	28°
THU	Cloudy	36°	28°
FRI	Cloudy	36°	28°
SAT	Cloudy	36°	28°
SUN	Cloudy	36°	28°

23°
10:30 PM

70%
HEALTH

42 SMART DEVICES

2 ERRORS

ARM STAY

ARM AWAY

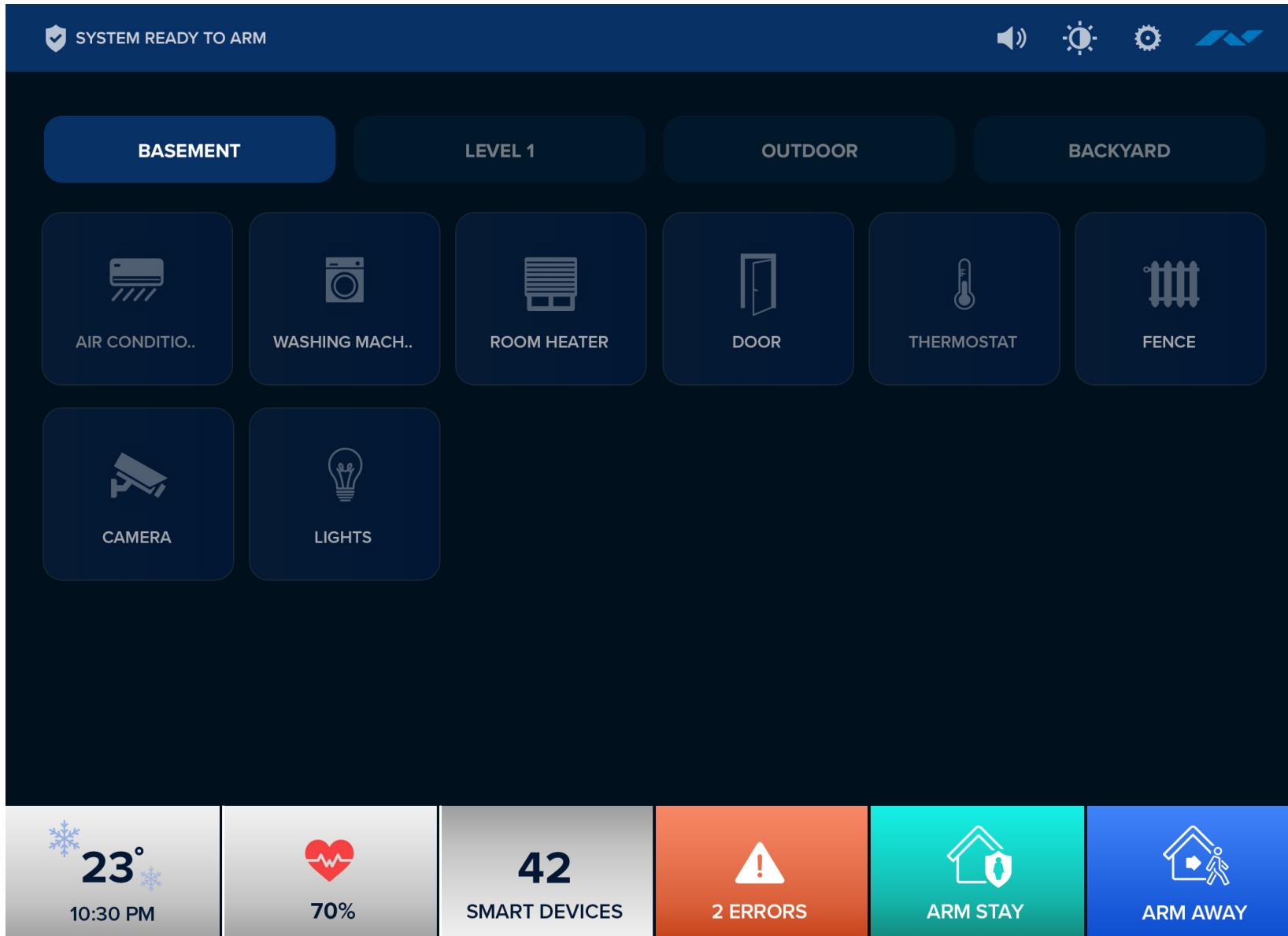
78°
MOST ENERGY-SAVING TEMPERATURE

Turning your system off is OK if you don't have anything in your home that would be at risk of overheating (pets, plants).

87°
BEST TEMPERATURE WHILE AWAY

Don't try to cool your house faster by setting a temperature lower than normal. It doesn't work.

Visual Designs: Concept 2

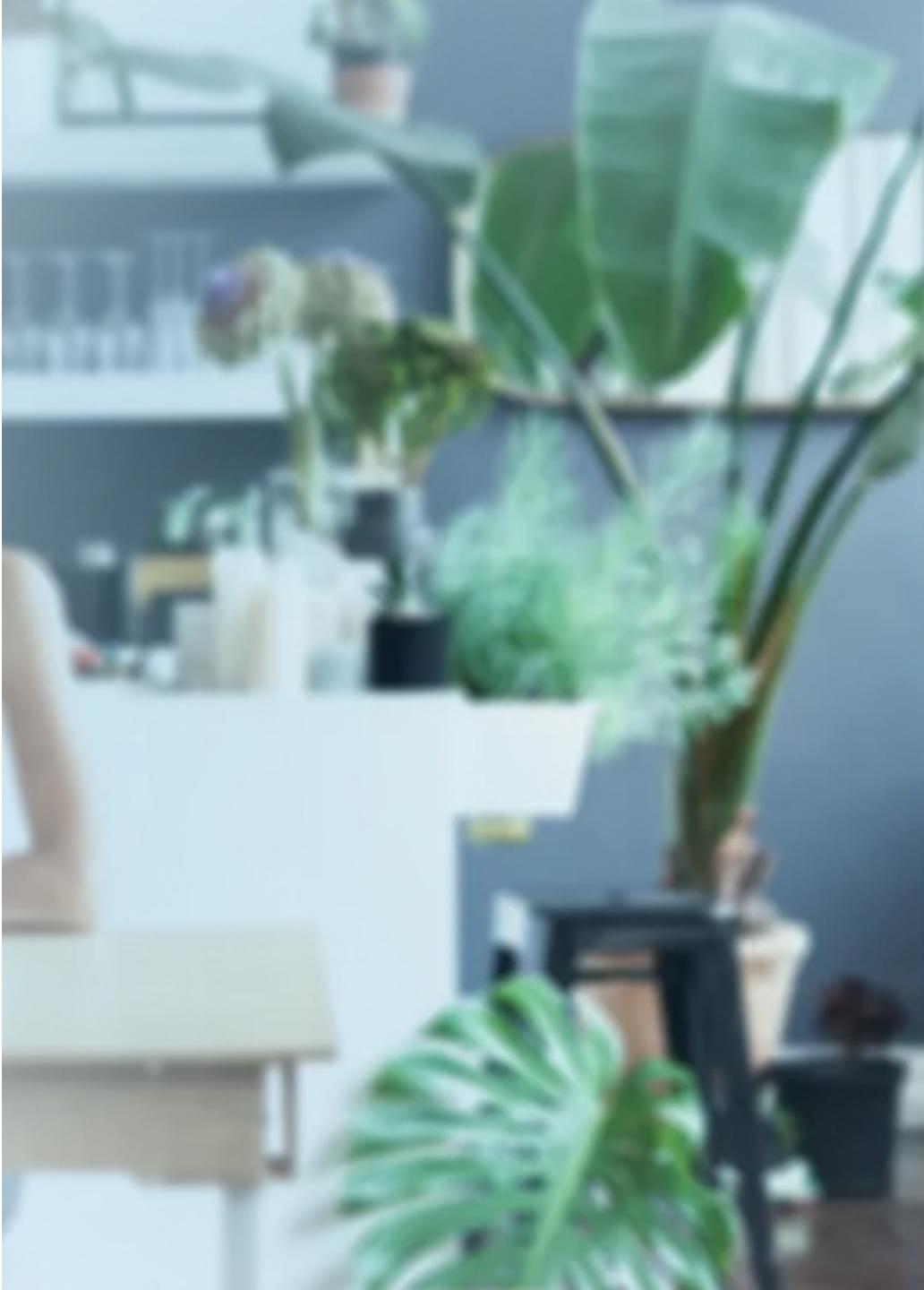


Visual Designs: Concept 2



Visual Designs: Concept 2





Thank You