

Introduction

# **BY DESIGN OR BY DESASTER**

Finding ways for more usable digital products.

*In preparation of my following bachelor thesis.*

Paul Hermann — Interface Design WS17/18 — Prof. Dr. Geelhaar

## Introduction

**Entwerfen ist das Gegenteil von Unterwerfen.  
Alles was gestaltet ist, unterwirft uns unter seine Bedingungen.**

Designing is the opposite of subjecting.  
Everything that's designed subjects us through its conditions.

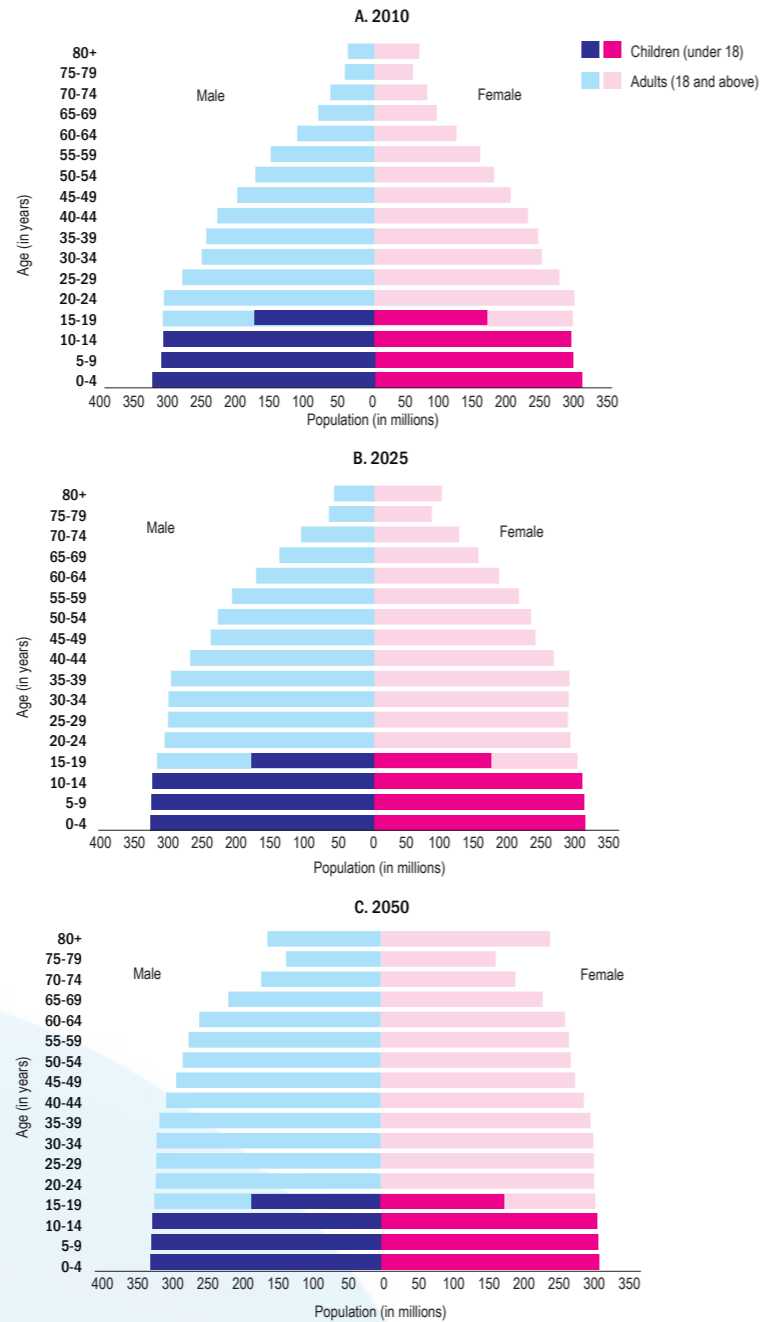
**Friedrich von Borries — Weltentwerfen — 2016**

## Introduction

**Wir als Gestalter sind dafür verantwortlich, wie unterwerfend unsere Arbeit ist und stehen allein in der Verantwortung für unsere Arbeit.**

We as designers are in charge of how subjecting our work is and we alone are responsible for our work.

**Figure 9**  
**Global population by age and sex, 2010, 2025 and 2050**



Generation 2025 and beyond — The critical importance of understanding demographic trends for children of the 21st century

UNICEF 2012

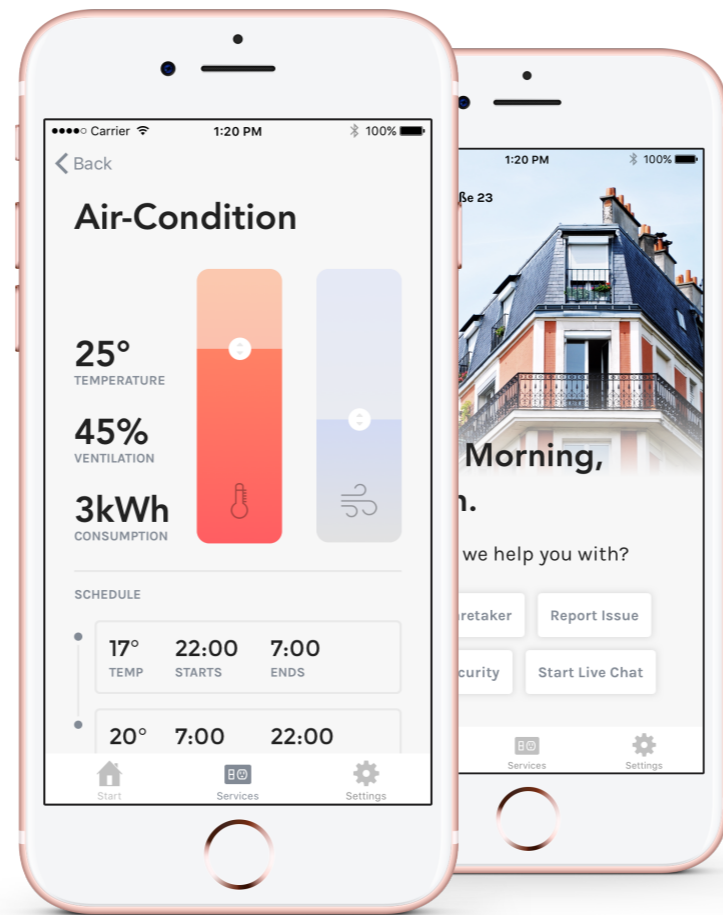
**Accessibility is good business**

**253 Million people are visually impaired.**

**81% of all people who are blind or have moderate to severe vision impairment are aged 50 years and above.**

**(...) it is estimated that the number of people with vision impairment could triple due to population growth and ageing.**

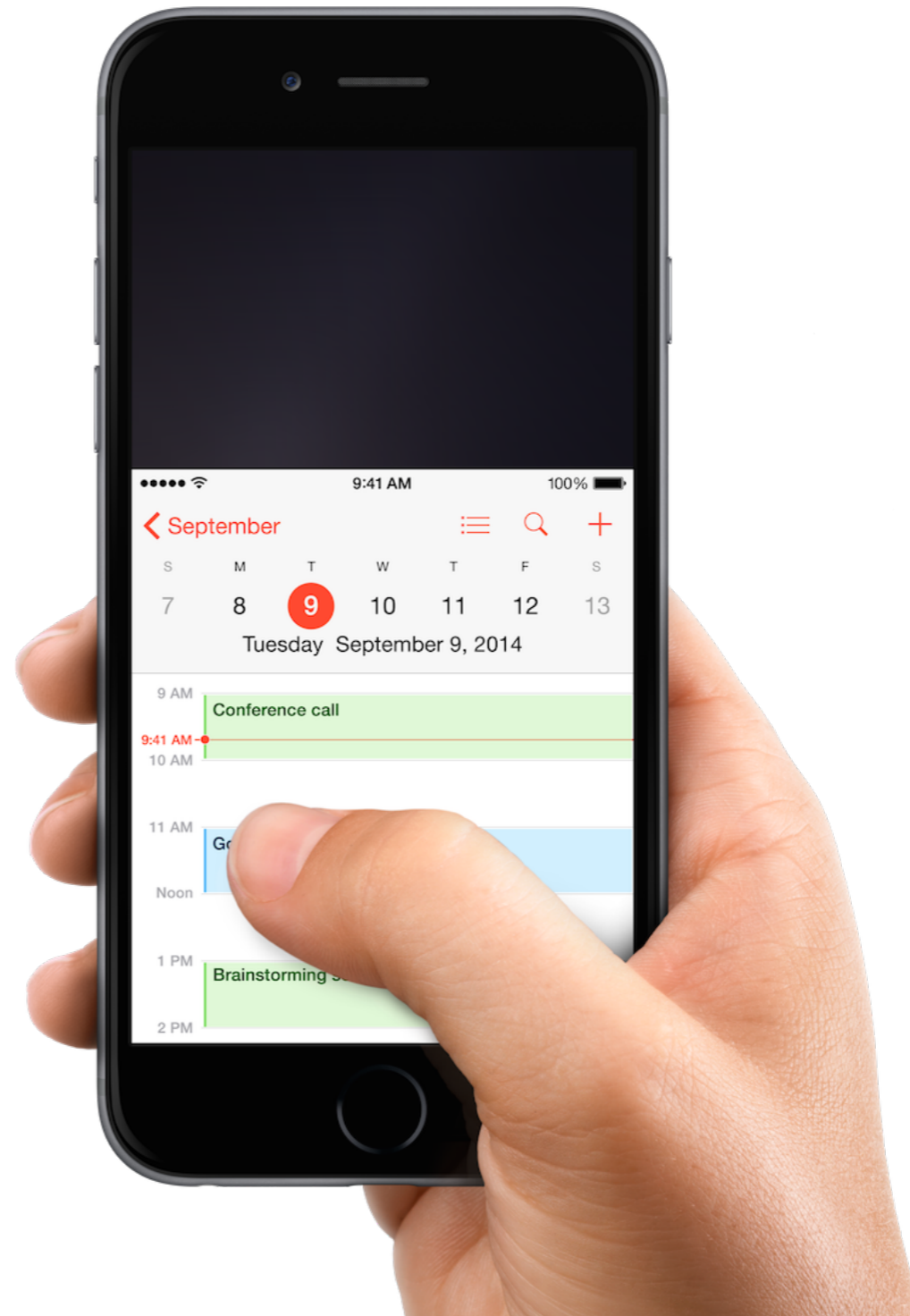
**World Health Organization, Vision impairment and blindness — Factsheet October '17**  
**<http://www.who.int/mediacentre/factsheets/fs282/en/>**



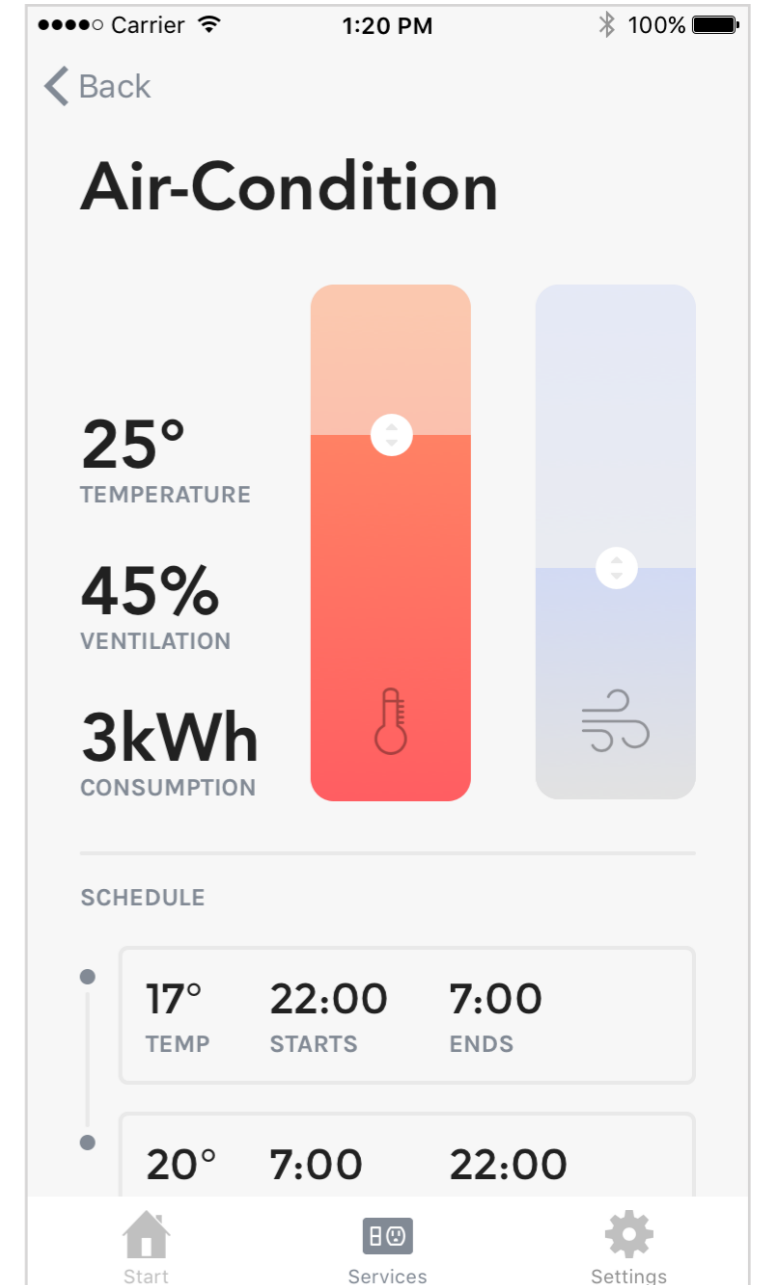
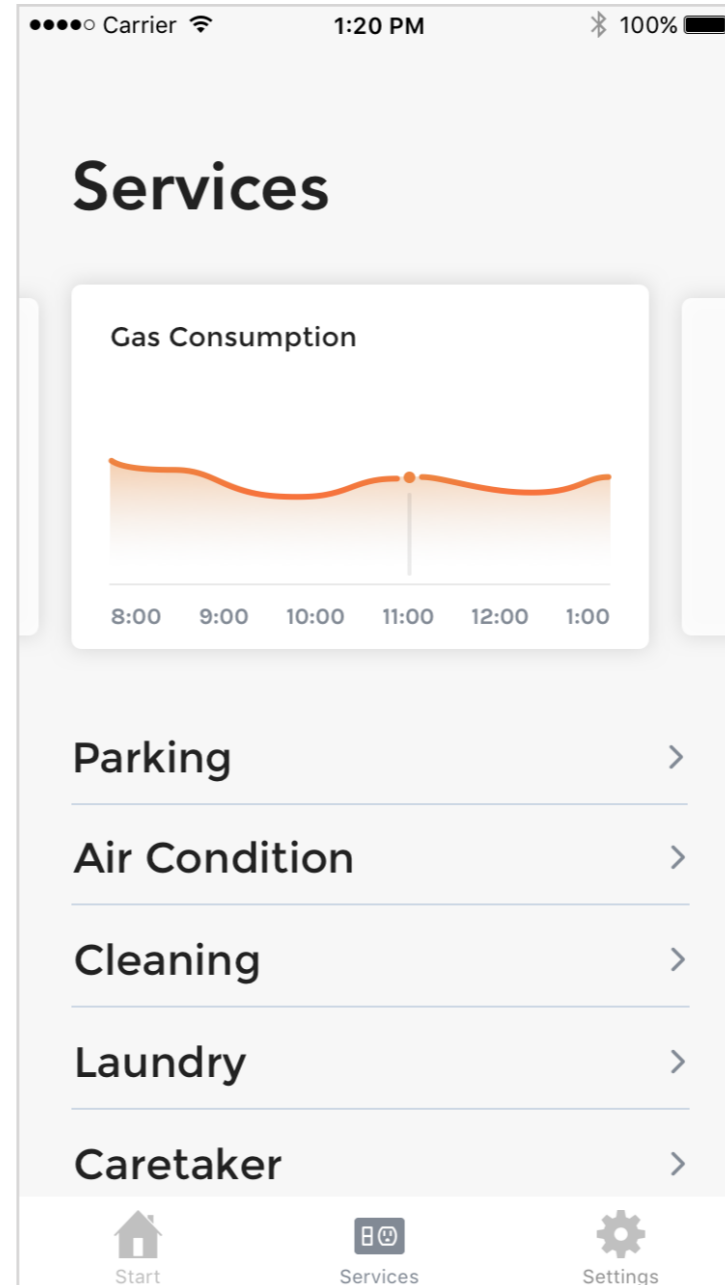
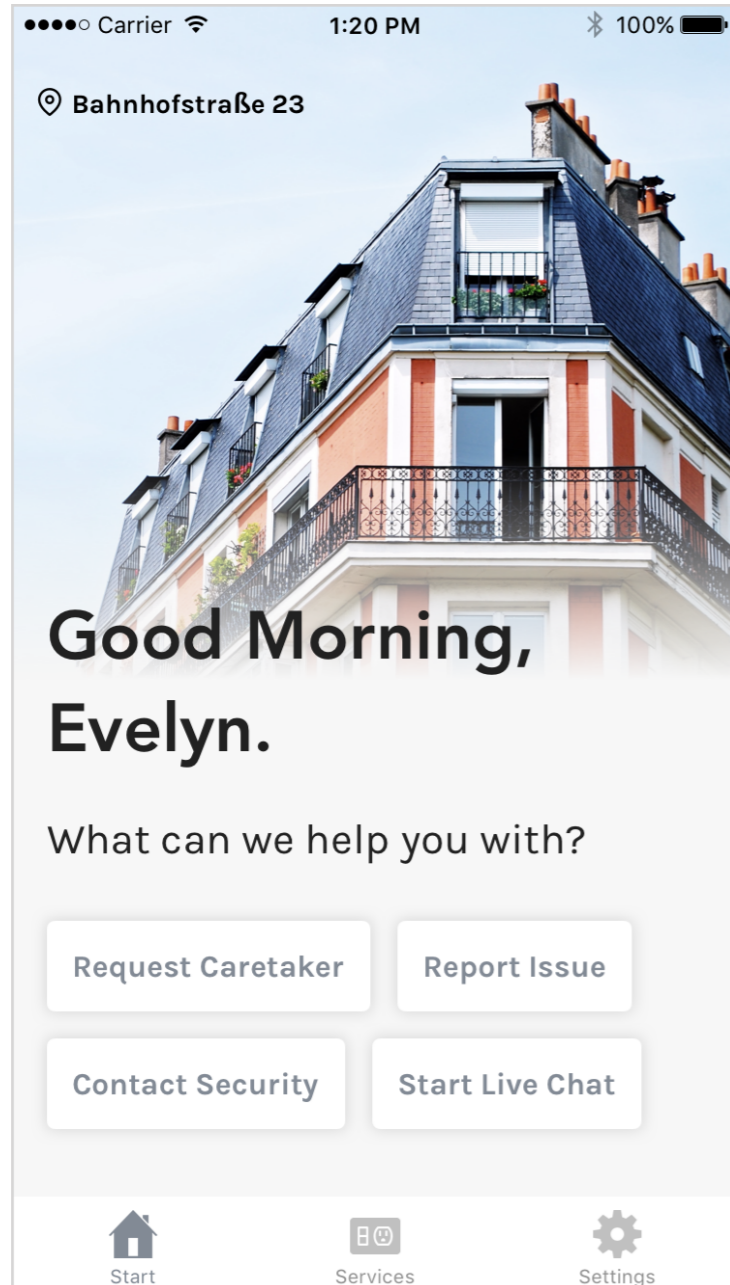
## Documentation — Property App

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# Reachability

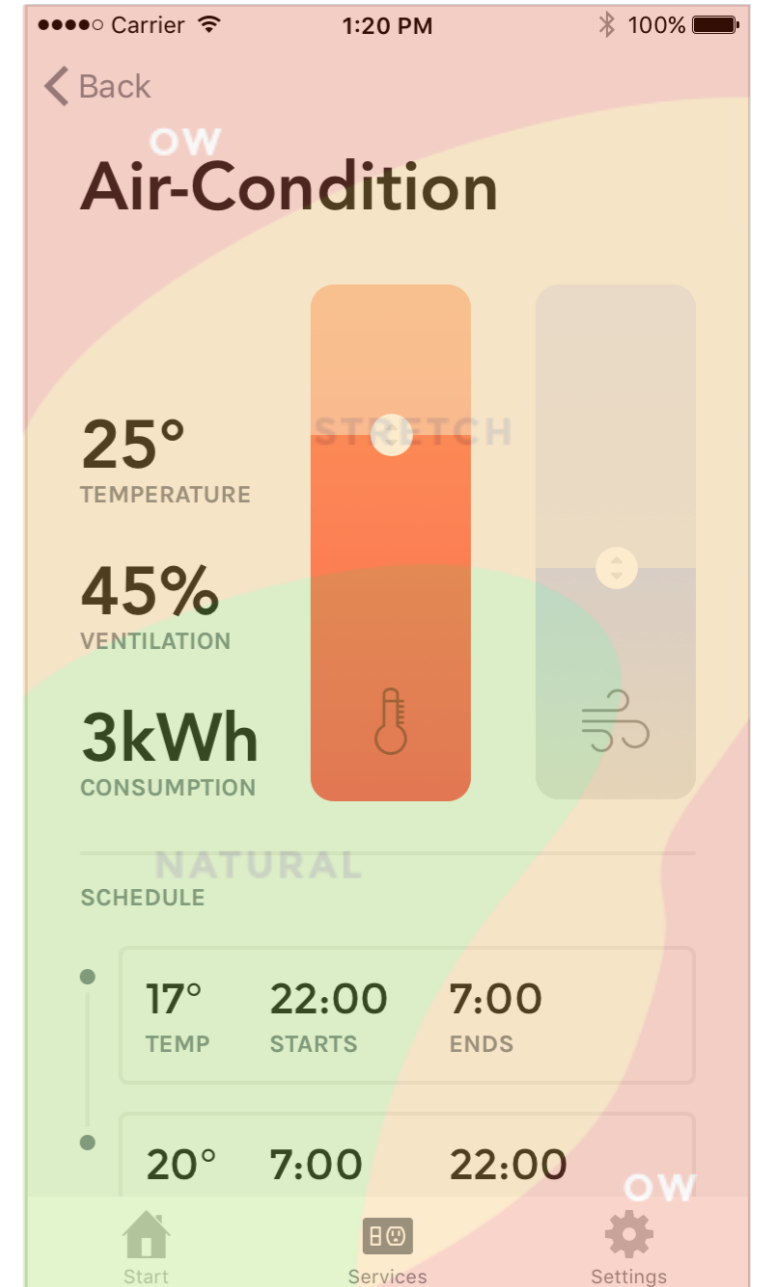
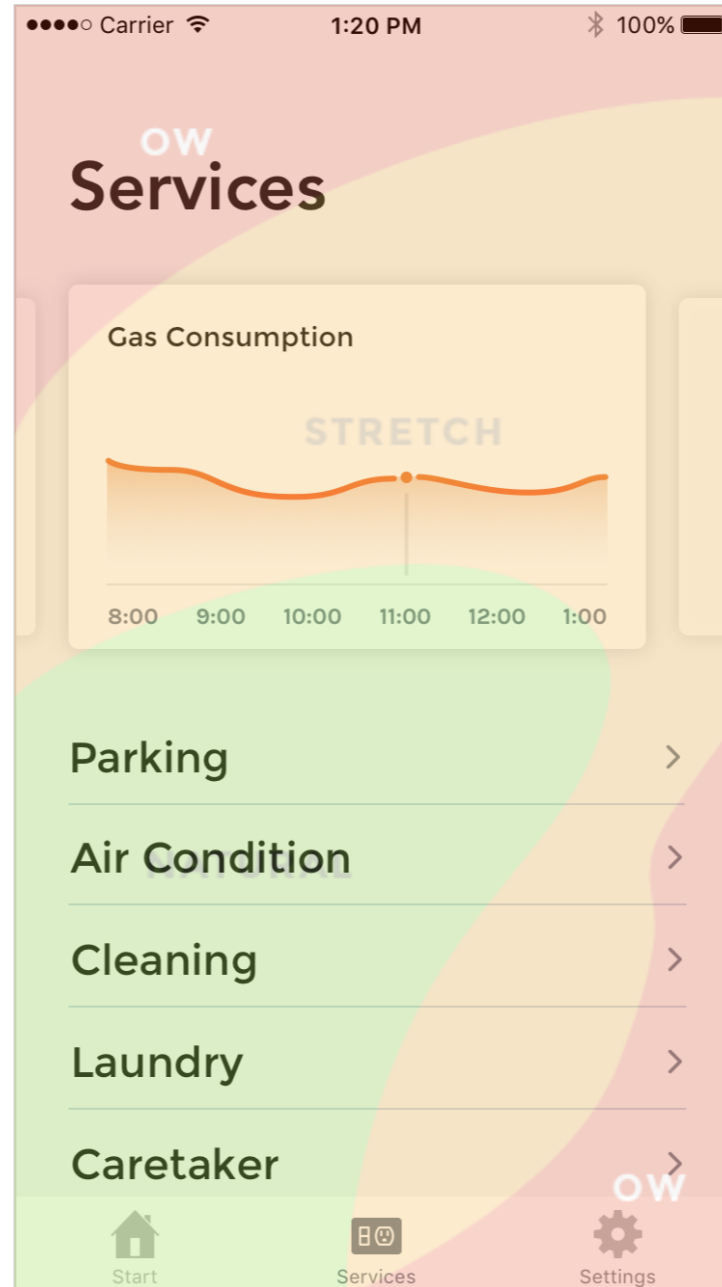


# Reachability





# Reachability



# Contrast

**TYPOGRAPHY**

**This is a claim.** Avenir Heavy 35pt, #212121

This is a main text. Karla Regular 22pt, #212121

This is a subtext. Karla Regular 15pt, #CFCFCF

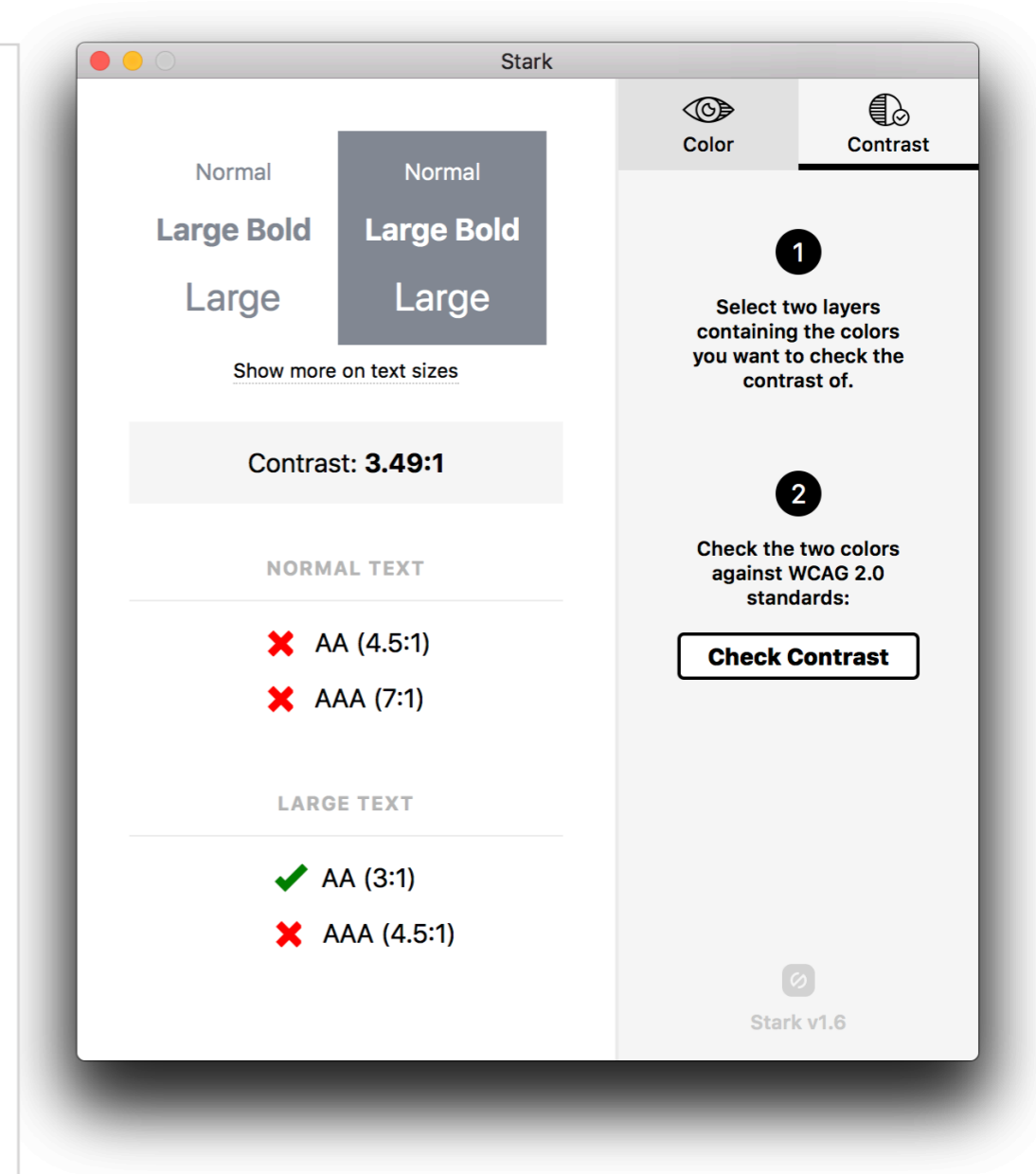
**UI ELEMENTS**

Request Caretaker Primary Button, Karla Bold 16pt

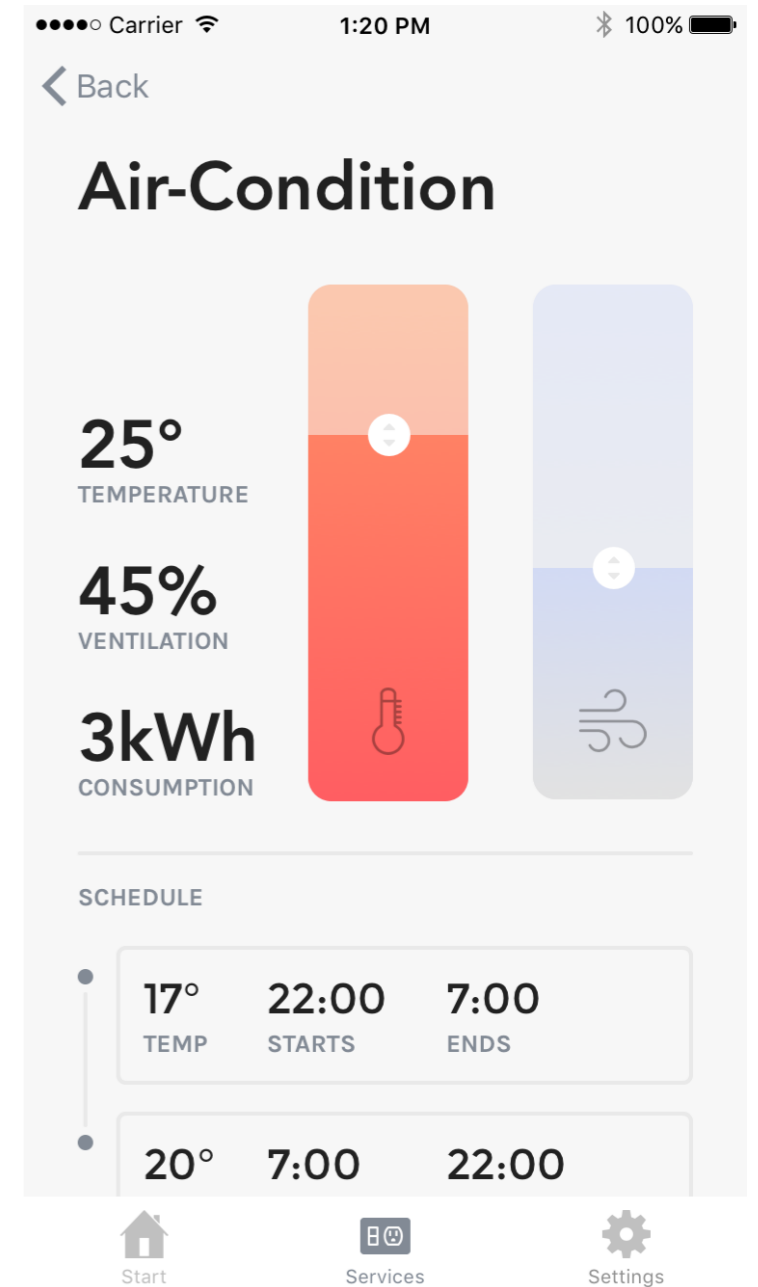
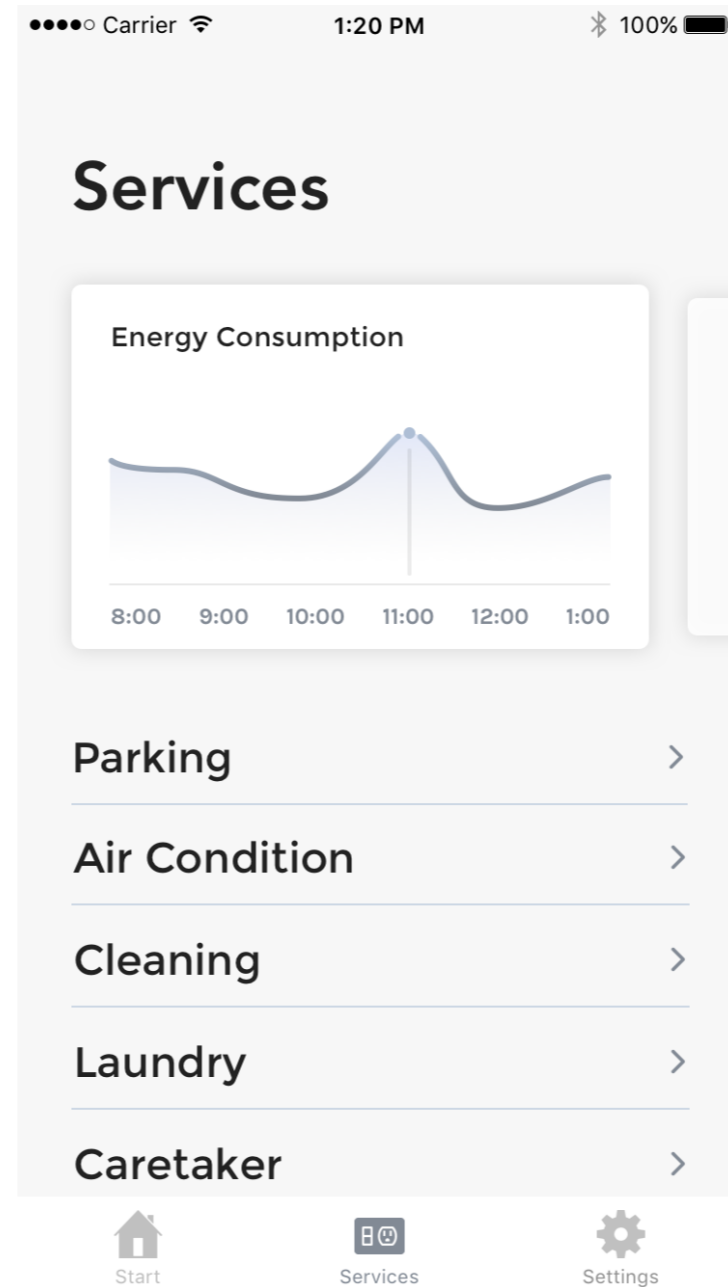
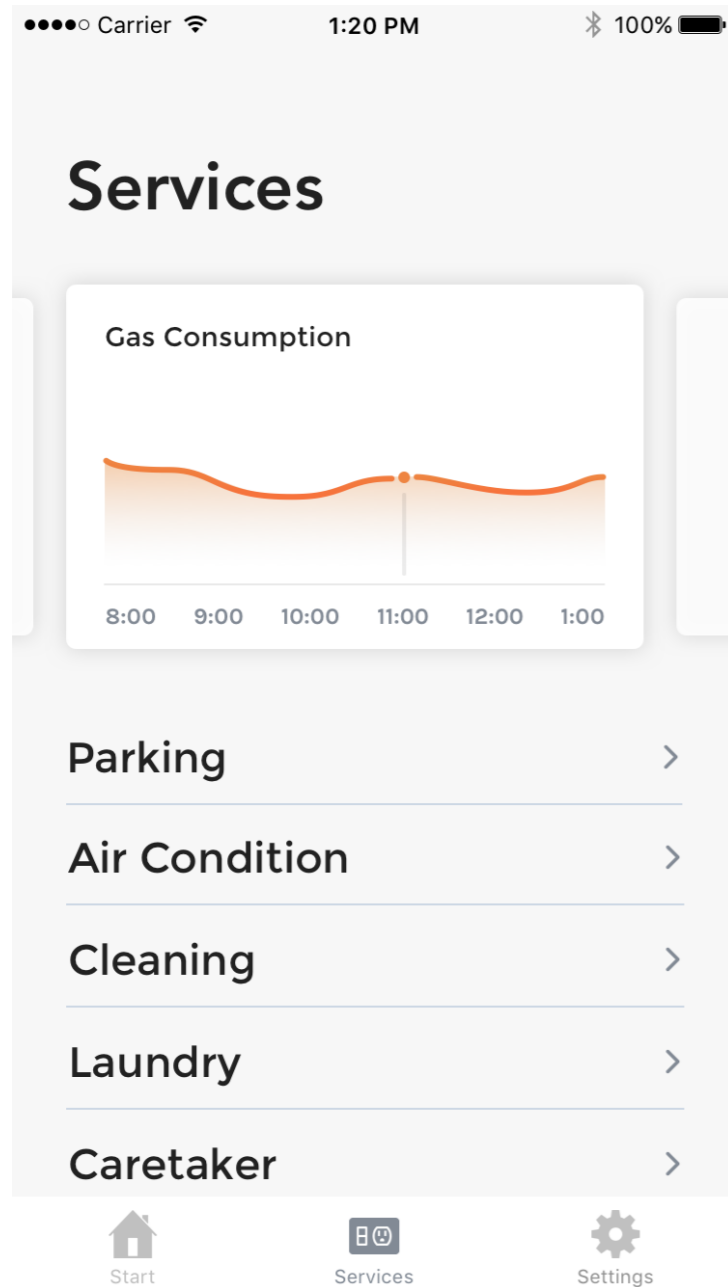
EDIT SCHEDULE Secondary Button Karla Bold 14pt

**COLORS**

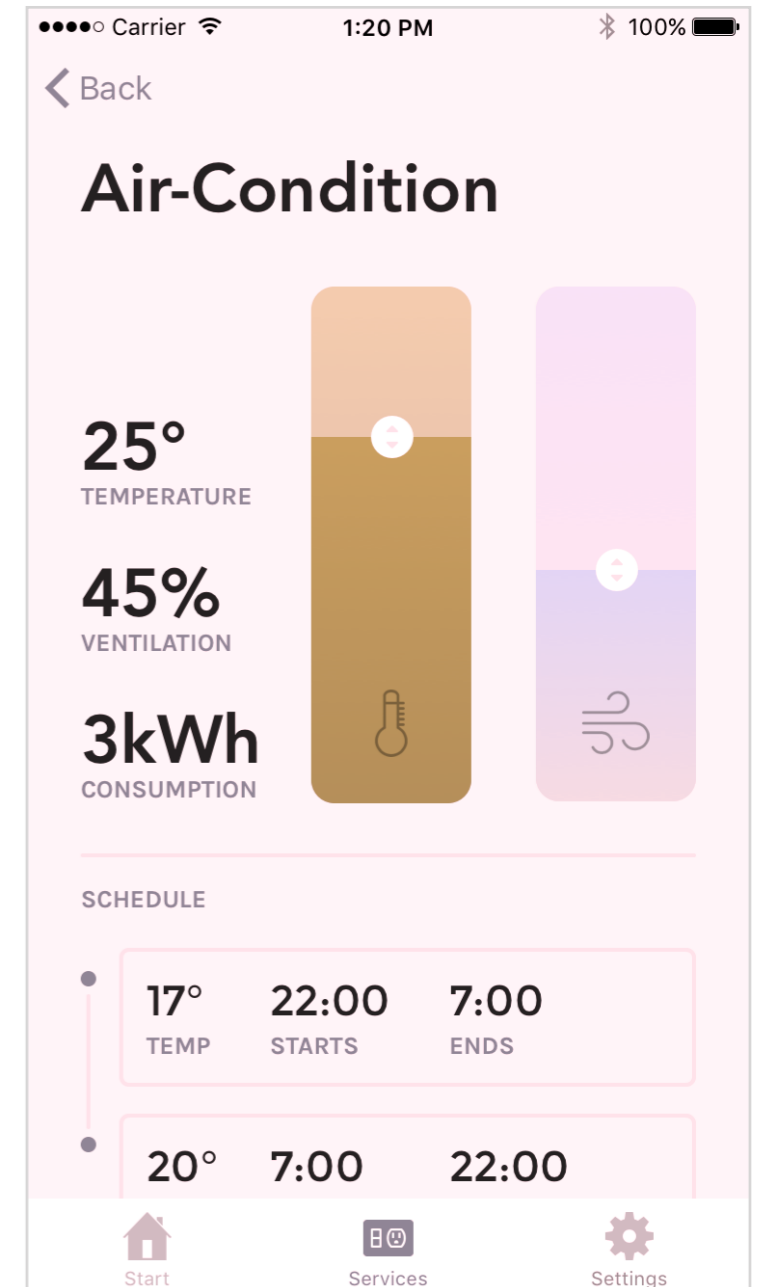
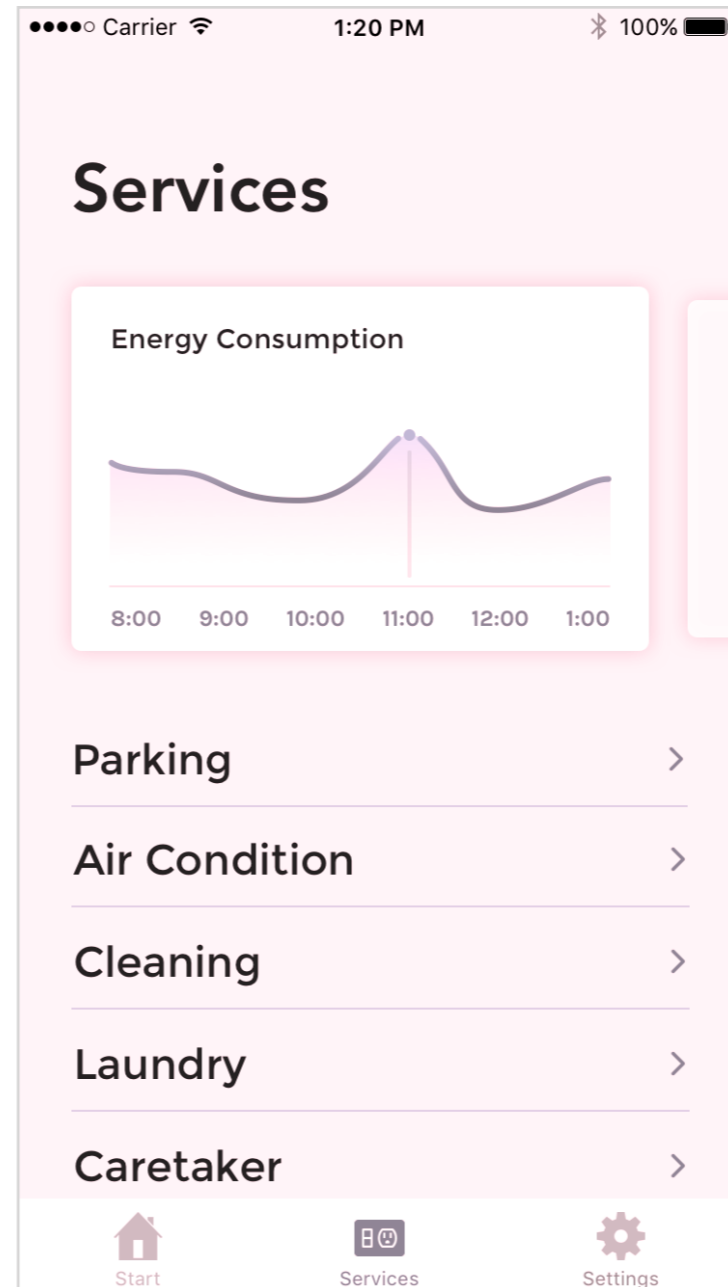
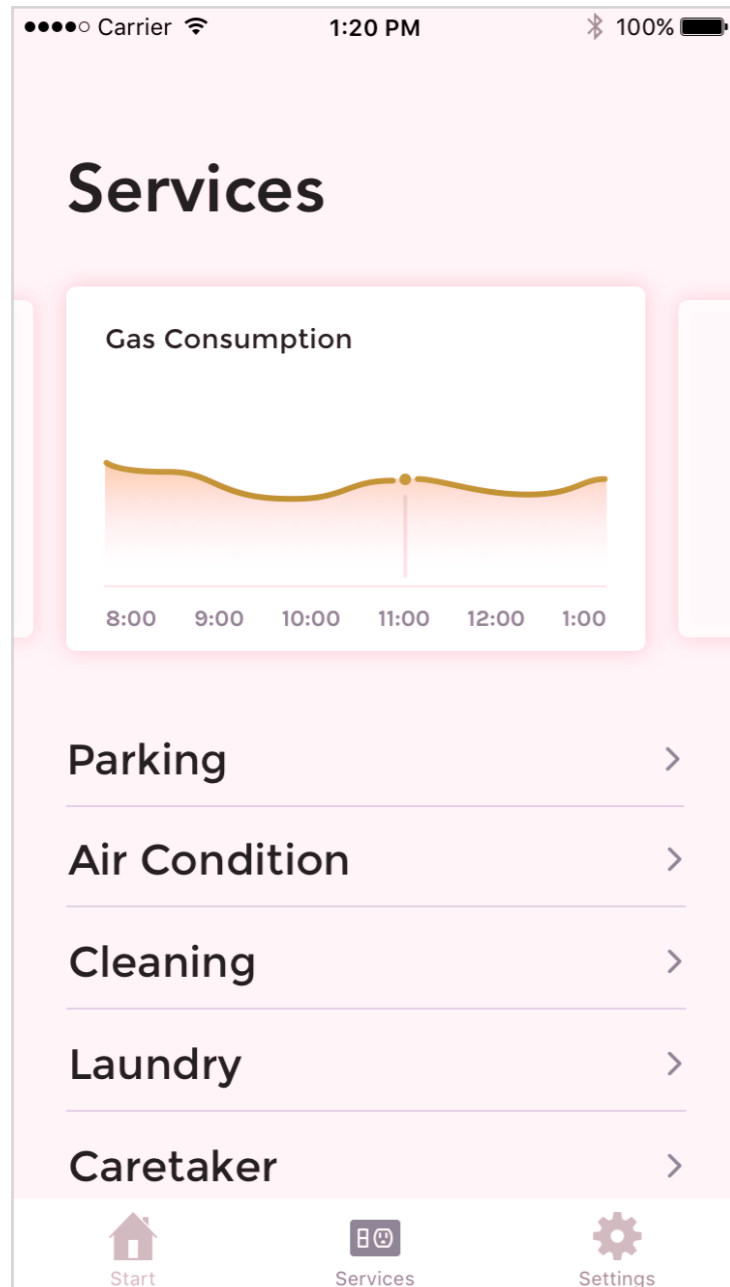
#FFFFFF	#F7F7F7	#E9E9E9	#CFCFCF
#CCD7E4	#828A95	#212121	#000000



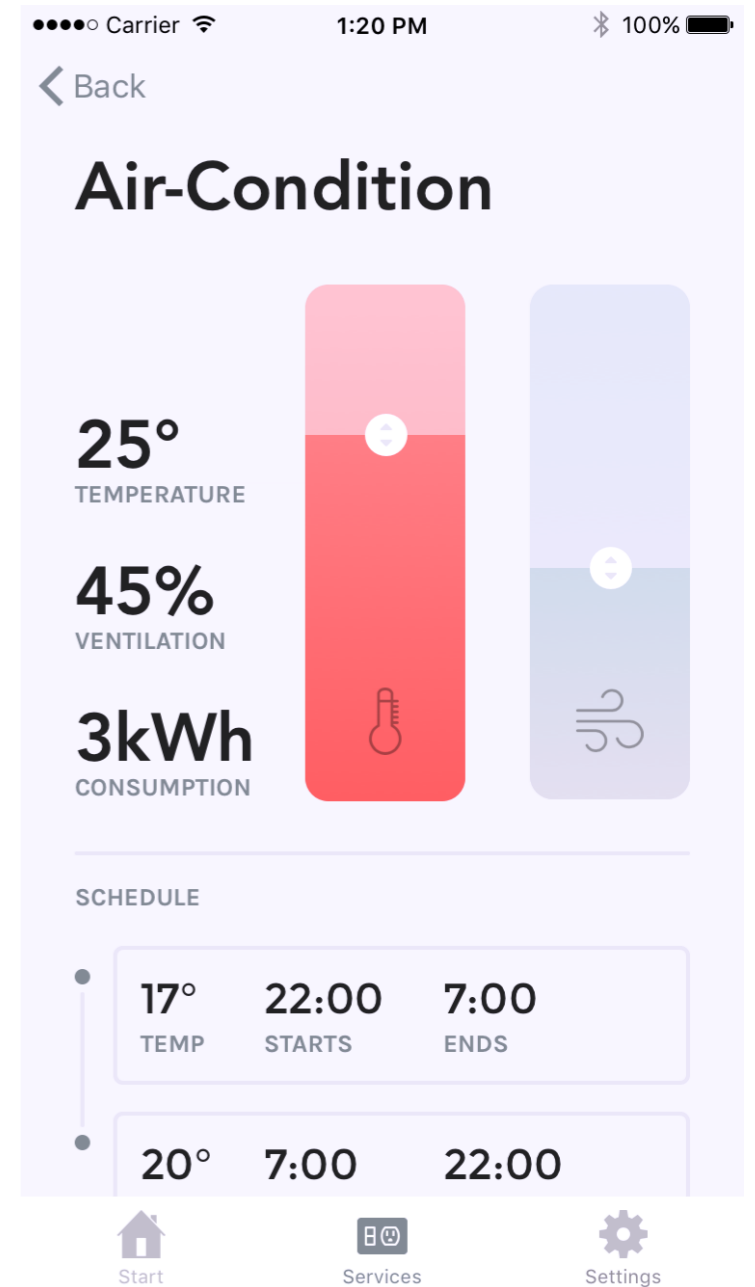
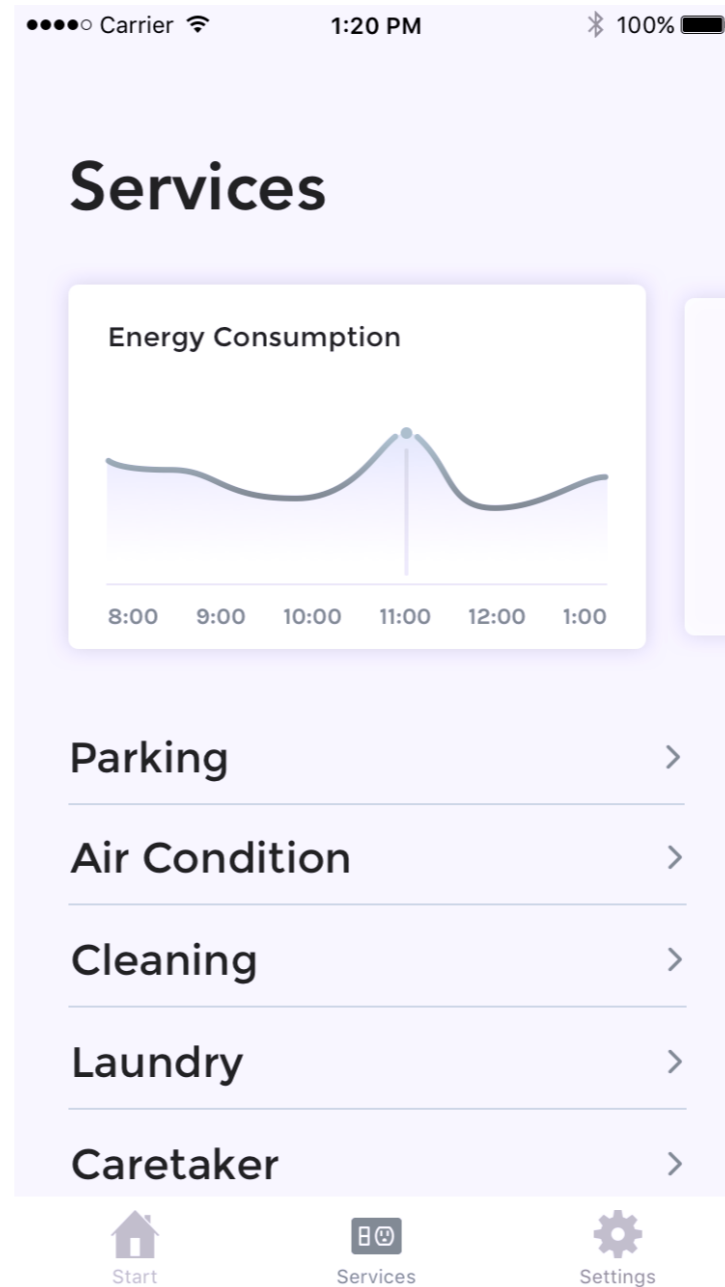
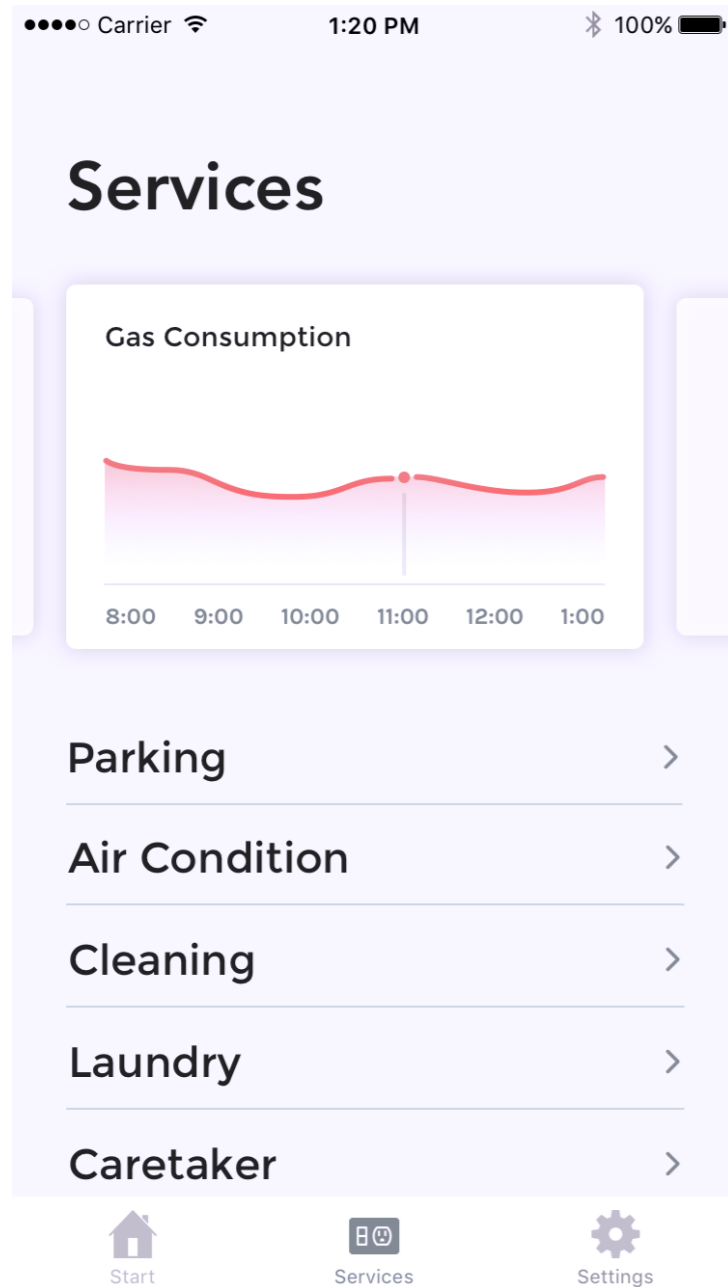
# Color Blindness



# Color Blindness — Deuteranopia



# Color Blindness — Tritanopia



## Media Sources

**Slide 2** — Weltentwerfen by Friedrich von Borries (referring to page 8)

*Suhrkamp-Verlag 2016*

**Slide 4** — Generation 2025 and beyond — Occasional Paper by Danzhen You and David Anthony at UNICEF November 2012

<https://www.unicef.org/media/files/>

[Generation 2015 and beyond 15 Nov2012 e version.pdf](#)

As of January 28th, 2018

**Slide 5** — Vision impairment and blindness — World Health Organization October 2017

<http://www.who.int/mediacentre/factsheets/fs282/en/>

As of January 28th, 2018

**Slide 10-13** — Stark Contrast Checker for Sketch by Benedikt Lehnert

<http://www.getstark.co>

As of February 5th, 2018