



The **No Touch Shopping** Experience
- Hygienic and convenient



**Our hands are full of
germs
and oppose a big risk to
spread diseases like
Covid19**



*Knowing this changed
a lot in
our daily activities,
but ...*



What about the supermarket

Bildquelle: lebensmittelzeitung.net/news/media/13/
Kas-und-Bankschal-Ald-ste-dem-Verneh-nac-die-Weic-
121283-mobile.jpeg



**As everyone needs
food...**

rtl.de/cms/trotz-corona-krise-angela-merkel-kauff-selbst-im-supermarkt-ein-4508601.html



...people take interesting measures for protection

No claim of copyright – pictures are result of random google search for "Supermarket corona"



...germs can swap!

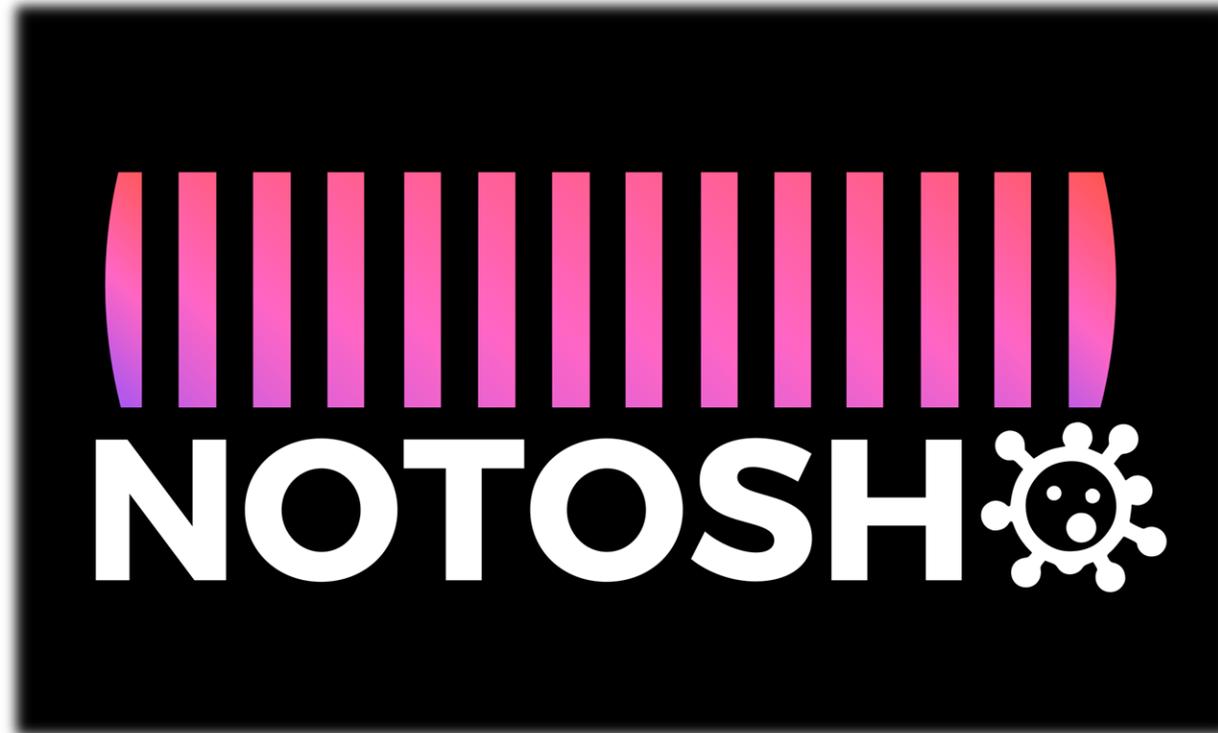


**This harms everyone
in the Supermarket –
especially *risk groups!***

<https://www.moz.de/landkreise/maerkisch-oderland/seelow/artikel7/dg/0/1/1234148/>

 **HEALTH HACKERS**
ERLANGEN

This is **why** we need...

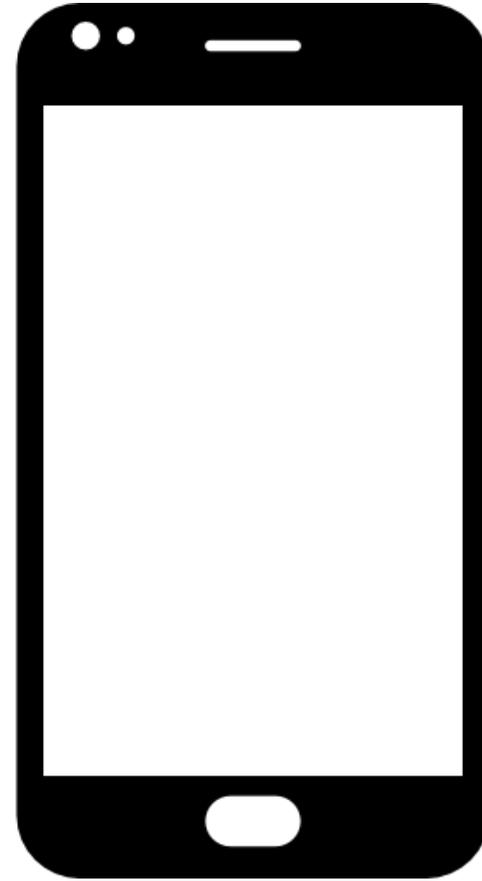


...to **reduce touchpoints**
in supermarkets

We believe the **future of shopping**
will be **contactless**, but
supermarkets need a
quick fix right now which is...

- ✓ easy to use,
- ✓ scalable
- ✓ applicable everywhere with
existing infrastructure

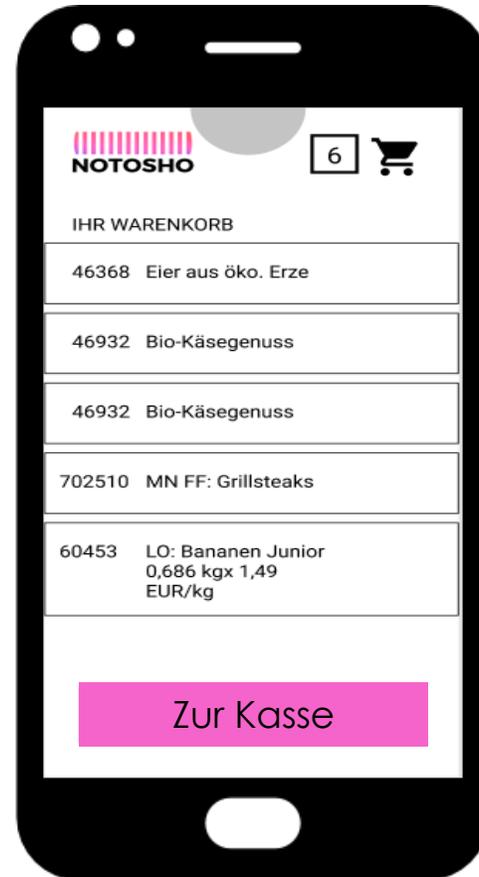
The **enabling technology** is
already in **our pocket**



Use **your own device** to scan while shopping via a **lean web-app**...



... in its **basic version** the app **collects** your shopping **cart items in a list...**



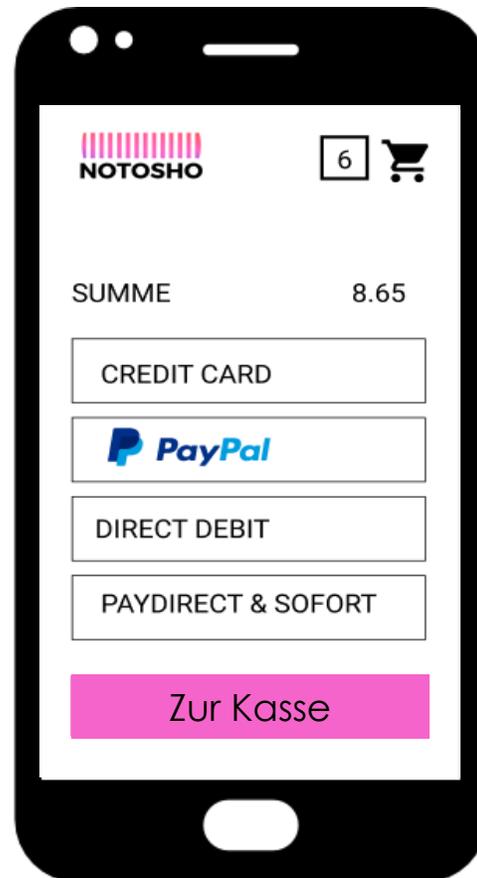
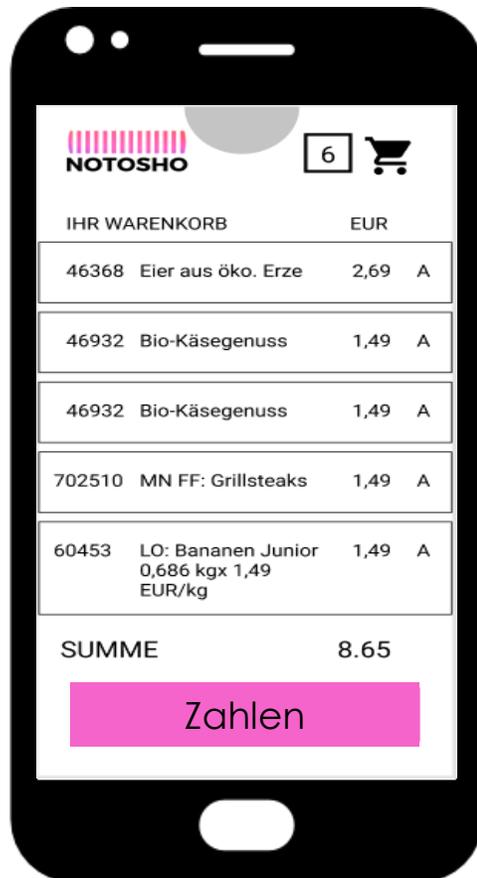
... at **check out** avoid touchpoint and display all barcoods via automatic slider contactless



+



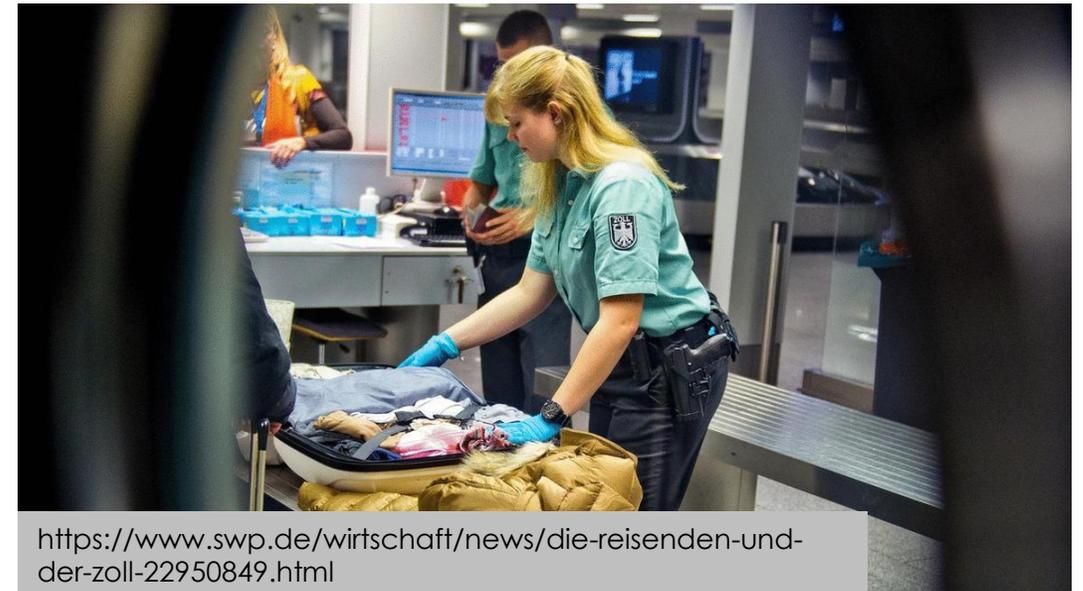
... in an **advanced version** the app could be **connected to a ERP** and be used to **pay online**



... the exit of the supermarket could be organized like this:



Digital exit vs. normal exit with special hygiene for risk groups



randomized check

What **we accomplished** during the **hackathon...**

Working Web-App Prototype via
<https://notosho.herokuapp.com/>

- ✓ Scanning Barcodes fast and easy
 - ✓ Create Shopping List
 - ✓ Automatic Slider to display Barcodes to scanner

So we went for a **legal field test** to the supermarket to do our groceries:

Opinions

*“Wow, finally someone
thinks about us!
Thank you!”*

Cashier #1

*“If this works, we would
use it to protect our
employees”*

Manager#1

*“Finally I don’t have to
touch everything”*

Cashier #2

So we went for a **legal field test** to the supermarket to do our groceries:

Feedback Application

+ works well

Scanning items works

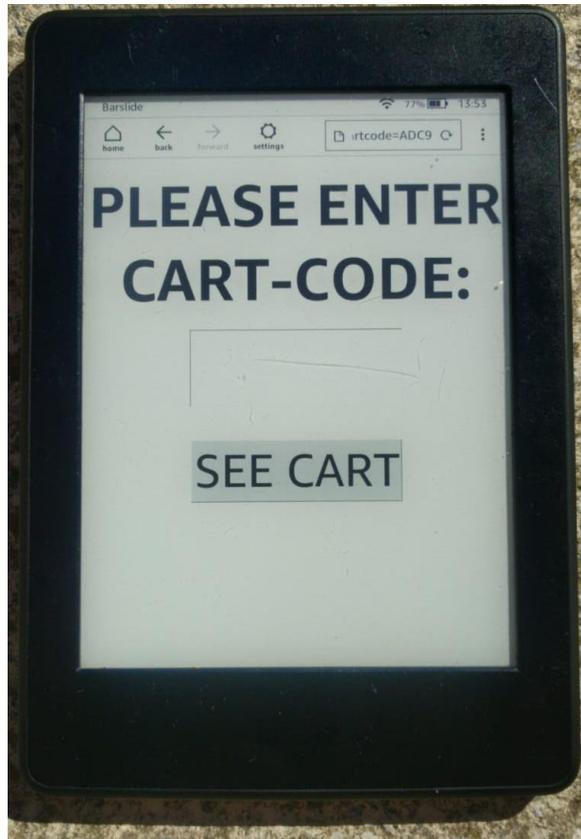
*Create shopping
cart list*

- problems:

*Not every scanner worked
due to different laser
scanning technologies*

Workaround to solve scanning issues
→ Each Cart gets a temporary ID &
each cashier gets equipped with E-Ink Reader

<https://notosho.herokuapp.com/eink>



At the end **we are proud** because
we...

... kept it a **simple hack** which could
potentially work in every supermarket
immediately

... **people liked it** and
they felt super appreciated

... also it was **great fun** with an
awesome team

Sebastian Schroth (Dev)
Christoph Speier (Dev)
Dennise Cepeda (UI / Design)
Jonas Jung (Concept / Design)
Christian Schulz (Concept)

Yours



HEALTH HACKERS

— ERLANGEN —