



# Self-checkout machines in stores

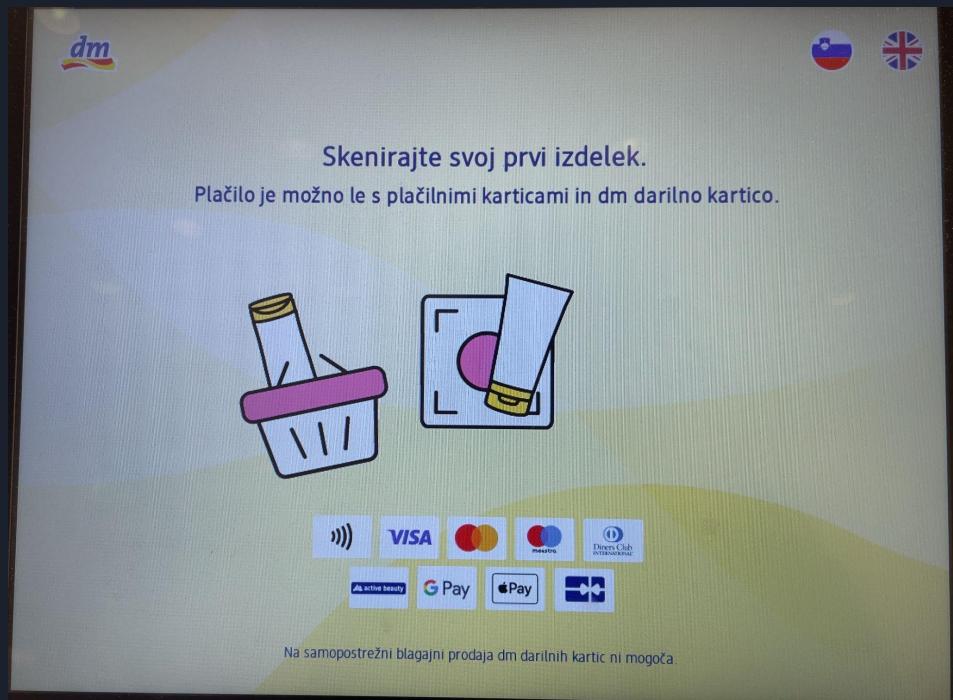
Primož Mihelak  
Jan Rojc  
Stefan Krstevski  
Tjaž Štok



# Introduction

- Useful but sometimes stressful
- Unintuitive, confusing interfaces
- On-site testing of systems
- Survey
- Iterative improvements on the prototype

# Existing solutions



## Potrebuje vrečko?

Prosimo vas, da vpišete količino uporabljenih vrečk.

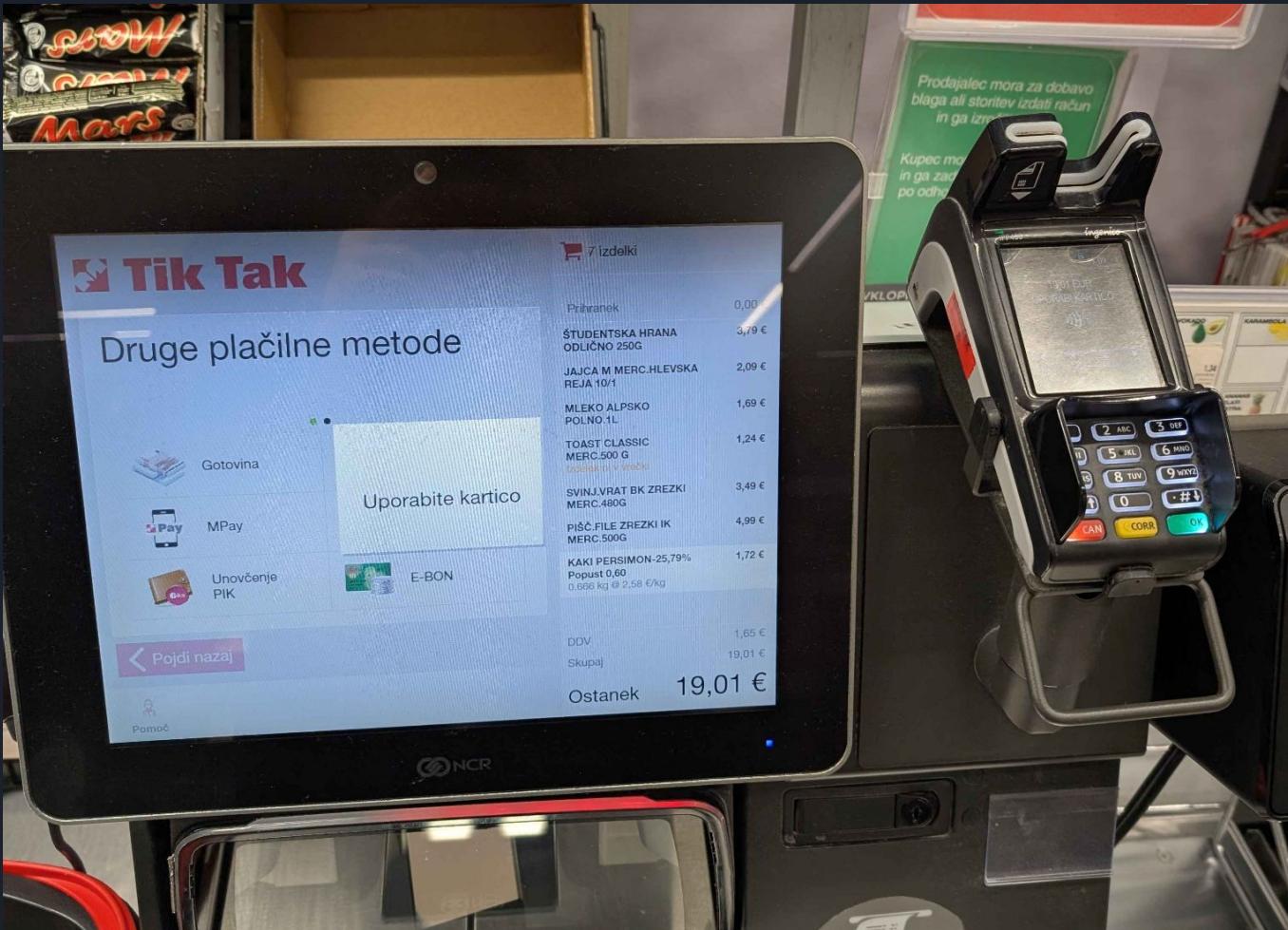
## VREČKA ZA EKSPRES BLAGAJNE

0.15

C		
7	8	9
4	5	6
1	2	3
0	,	

Brez vrečke

OK





Izberite način plačila



Gotovina



Kartica



Darilne kartice



Dobropis

Drugo



Nazaj

5 (število izdelkov)

Privrževano

0,00 €

Stranka vnesena

ŽV.GUMI JUICY FRUIT 56G

2,29

ŽV.GUMI JUICY FRUIT COLA  
56G

2,29

DROŽI SUHE AKTIVNE 12G

0,76

DRAŽE RUM KOKOS 300G

6,89

BIO VREČKA ZA  
SADJE/ZELENJAVA

0,03

Skupaj

12,26 €

Plaćati 12,26€



Pomoč



Jezik



Glasnost zvoka



Začetek



Vnos izdelkov



active beauty



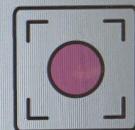
Plaćilo

Izdelek

Vrednost

S&S robčki BOX 100kos

1,25



Vsota

1,25€

Na plaćilo



# Survey

## Visual summary

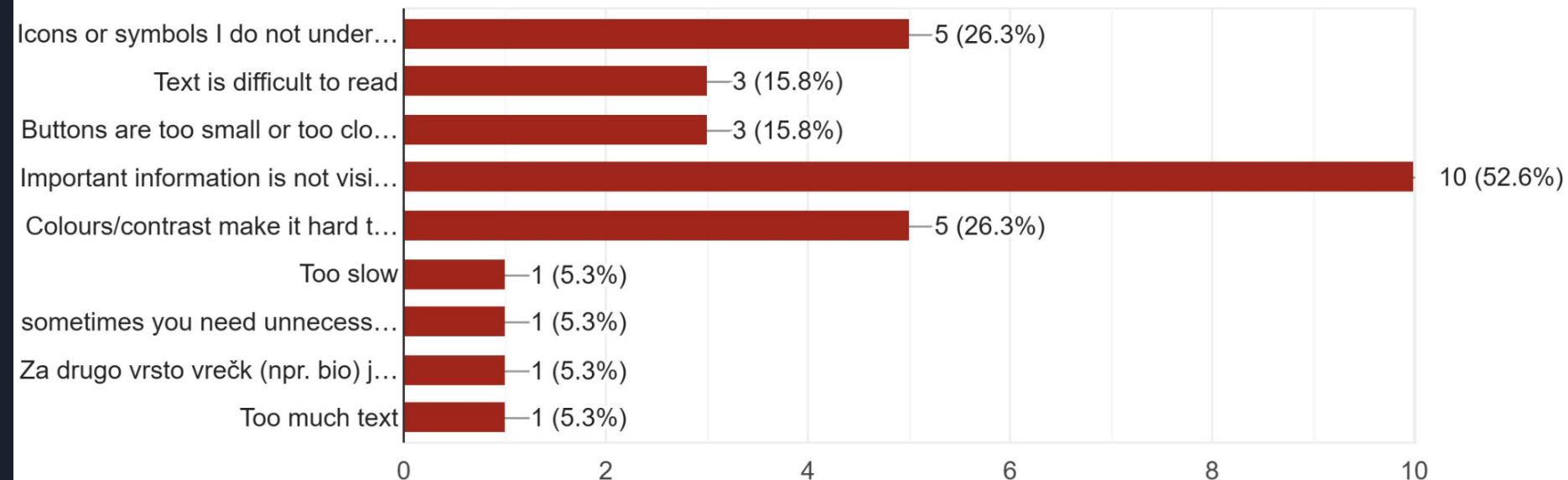
- Important information not visible
- Icons are unclear
- The colors and contrast could be better

## UX summary

- No button to return to previous step
- No option to remove items from the bag
- Unclear steps

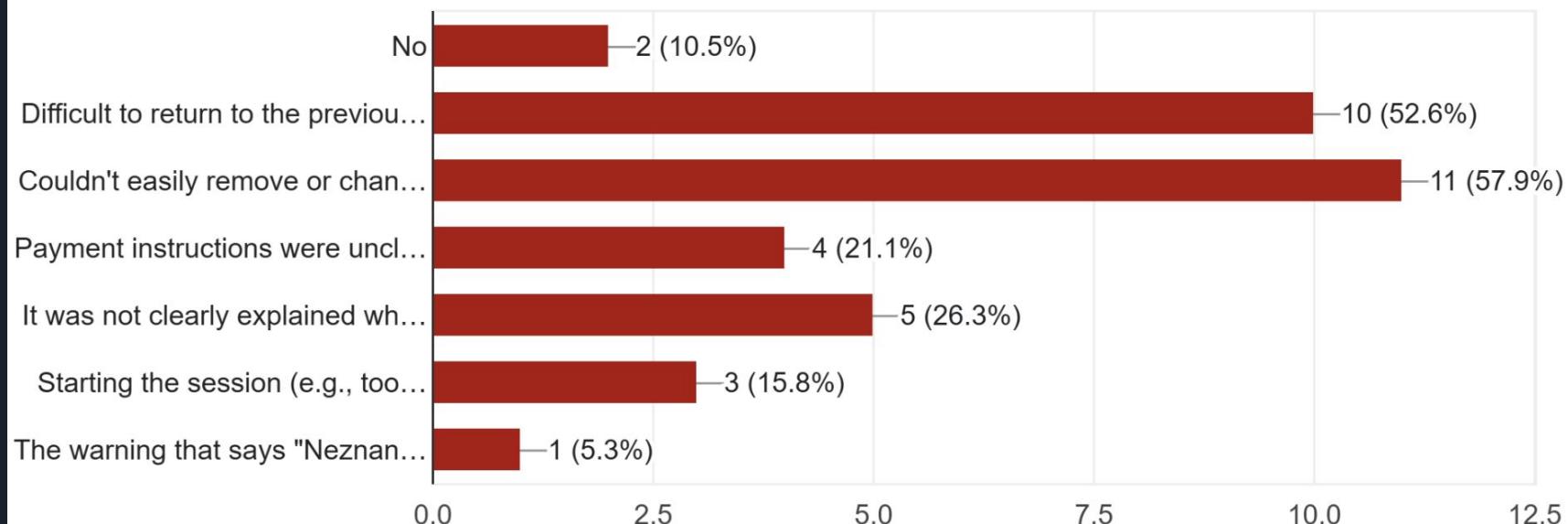
## Which of these visual issues have bothered you?

19 responses



Have you ever felt unsure what to do next at self-checkout, what usually causes the problem?

19 responses



# From Sketch to a Prototype



Start scanning screen

Name Of The Store

We could also use a more generic language icon

(Pip-out: Remove item from the scale)

Scanning the products

At progress will be lost, are you sure you want to discard the current session?

Yes No

(todo add call shopping assistant button)

(Return to previous screen, progress on current screen is saved)

Bag selection

How many bags did you use?

Discard session No Bag Confirm

Should we trust users to input 0 instead of adding a placeholder element?

(Pip-out: Remove item from the scale)

Scanning the products

Start Scan Bags Payment

Item 1: 1.00 € Item 2: 1.00 € Total: 2.00 €

Discard session Continue

Components

Color Pale...

StartScreen ScanScreen BagScreen PaymentScreen Final

Volume...

DiscardSession

All progress will be lost, are you sure you want to discard the current session?

Yes No

Assistant

Please wait for the shopping assistant.

Language

Slovenčina English Deutsch Italiano

CardPaymentInstruction...

Please confirm your payment at the terminal

Please insert cash at the terminal

Please take over items. Thank you for your purchase!