

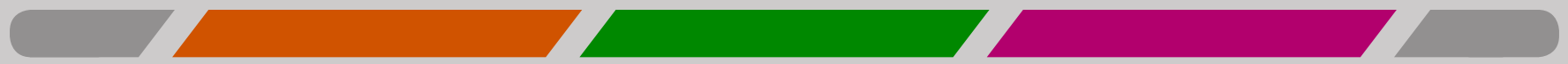
Designing visual interface for nutrition tracking of patients with Parkinson's disease

Peter Novak Barbara Koroušić Seljak Franc Novak

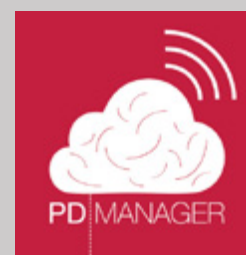
Jožef Stefan Institute, Jamova cesta 39, Ljubljana

PRESENTATION

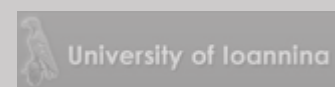
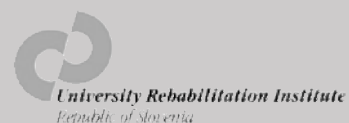




Project



HORIZON 2020

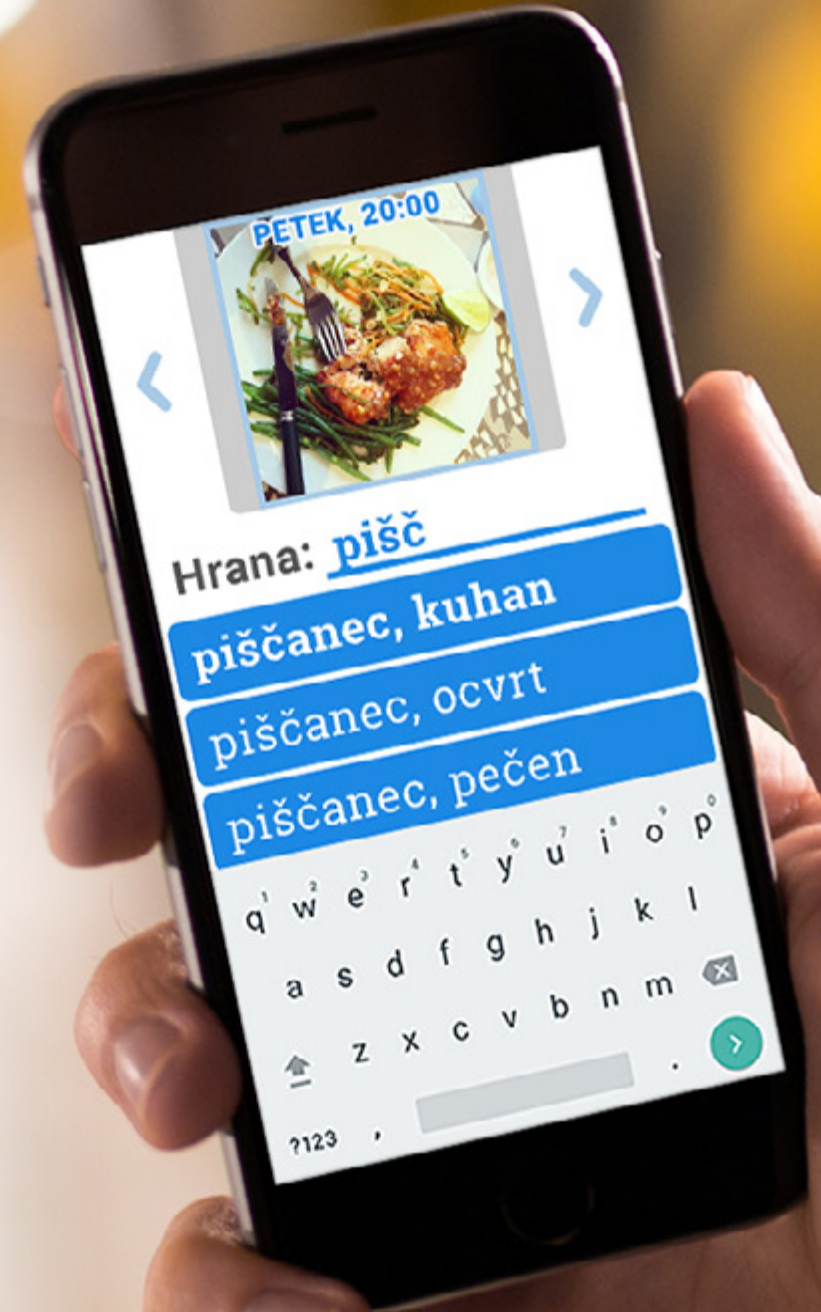
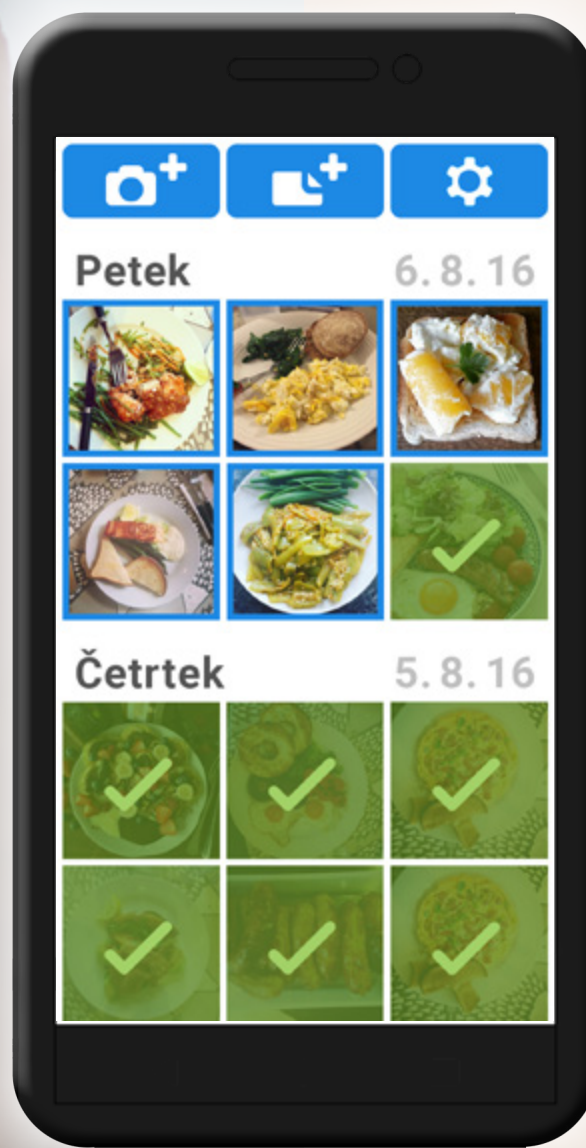








PHOTO



TAG

Visualization



PIŠČANEC, OCV. 125g
ŠPARGLJI, KUH. 75g

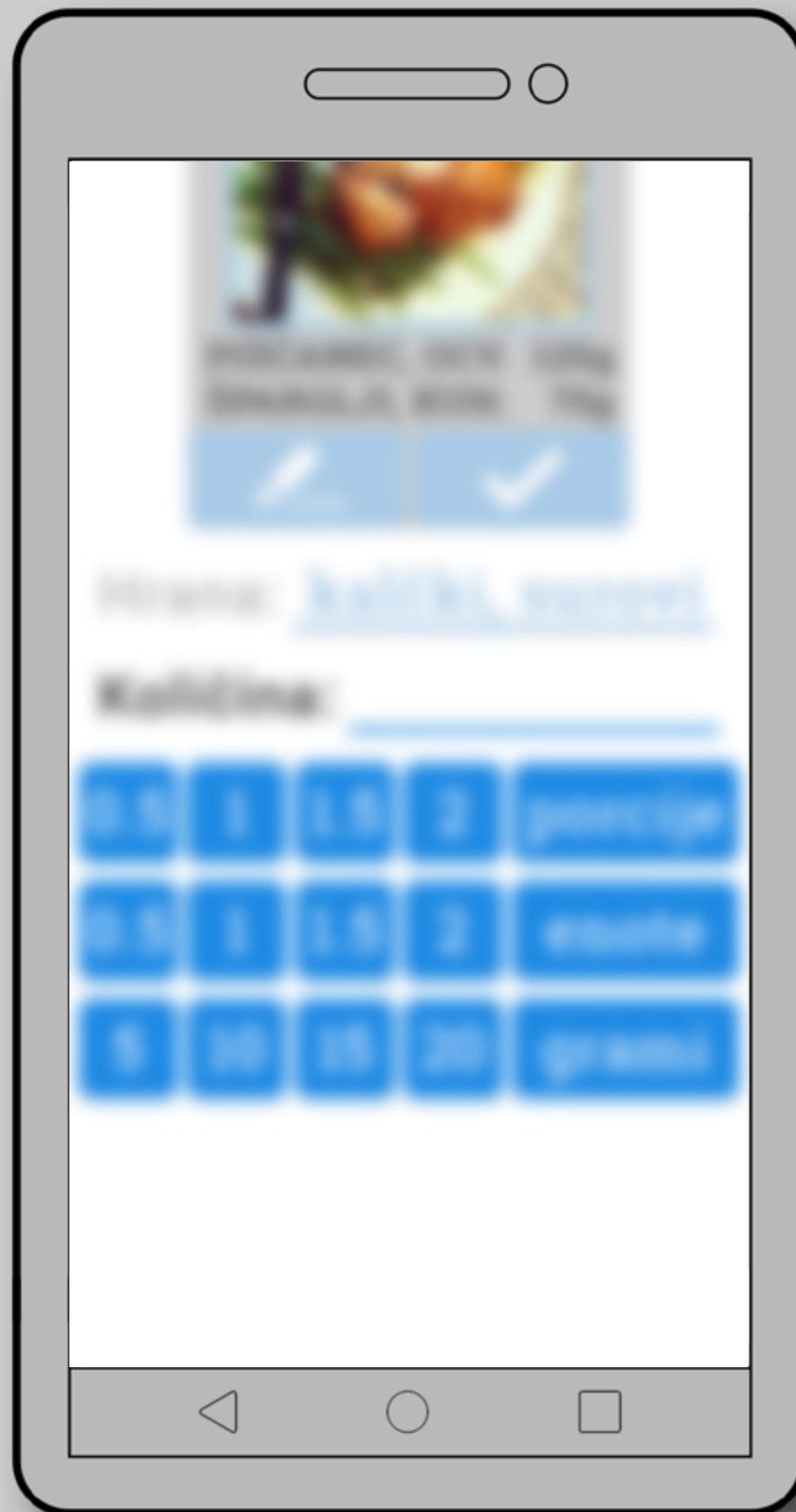
Hrana: kalčki, surovi

Količina: _____

0.5	1	1.5	2	porcije
0.5	1	1.5	2	enote
5	10	15	20	grami

The image shows a smartphone screen with a food entry application. At the top, there is a photo of a dish with green beans and fried fish. Below the photo, the ingredients and their weights are listed: 'PIŠČANEC, OCV. 125g' and 'ŠPARGLJI, KUH. 75g'. There are two buttons below the list: one with a pencil icon for editing and one with a checkmark icon for saving. Below these, the food name 'Hrana: kalčki, surovi' is displayed with a blue underline. Underneath is a label 'Količina:' followed by a horizontal line for input. At the bottom, there are three rows of blue buttons for selecting quantity. The first row has buttons for '0.5', '1', '1.5', '2', and 'porcije'. The second row has buttons for '0.5', '1', '1.5', '2', and 'enote'. The third row has buttons for '5', '10', '15', '20', and 'grami'. The smartphone has a grey bezel and a home button at the bottom.

INTERACTIVE OBJECTS





PIŠČANEC, OCV. 125g
ŠPARGLJI, KUH. 75g



Hrana: kalčki, surovi

Količina: _____

0.5

1

1.5

2

porcije

0.5

1

1.5

2

enote

5

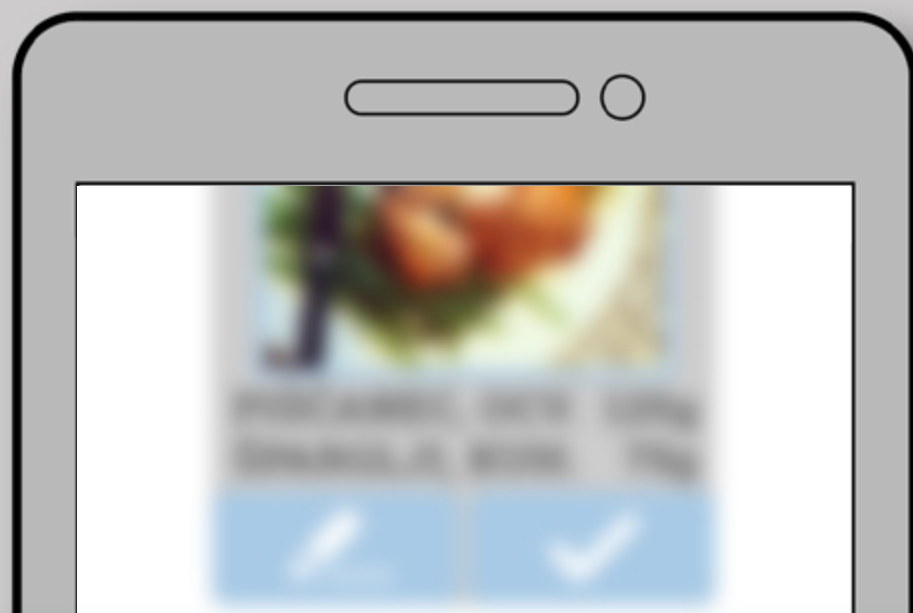
10

15

20

grami

PRIORITIZED INFO



Hrana: kalčki, surovi

Količina: _____

0.5 1 1.5 2 porcije

0.5 1 1.5 2 enote



CURRENT ACTIVITY

FRIDAY, 14:15



Hrana: |

jogurt, 1.2% ml. mašč.

jabolko, veliko

kruh, polnozrnat

q' w' e' r' t' y' u' i' o' p'

a s d f g h j k l

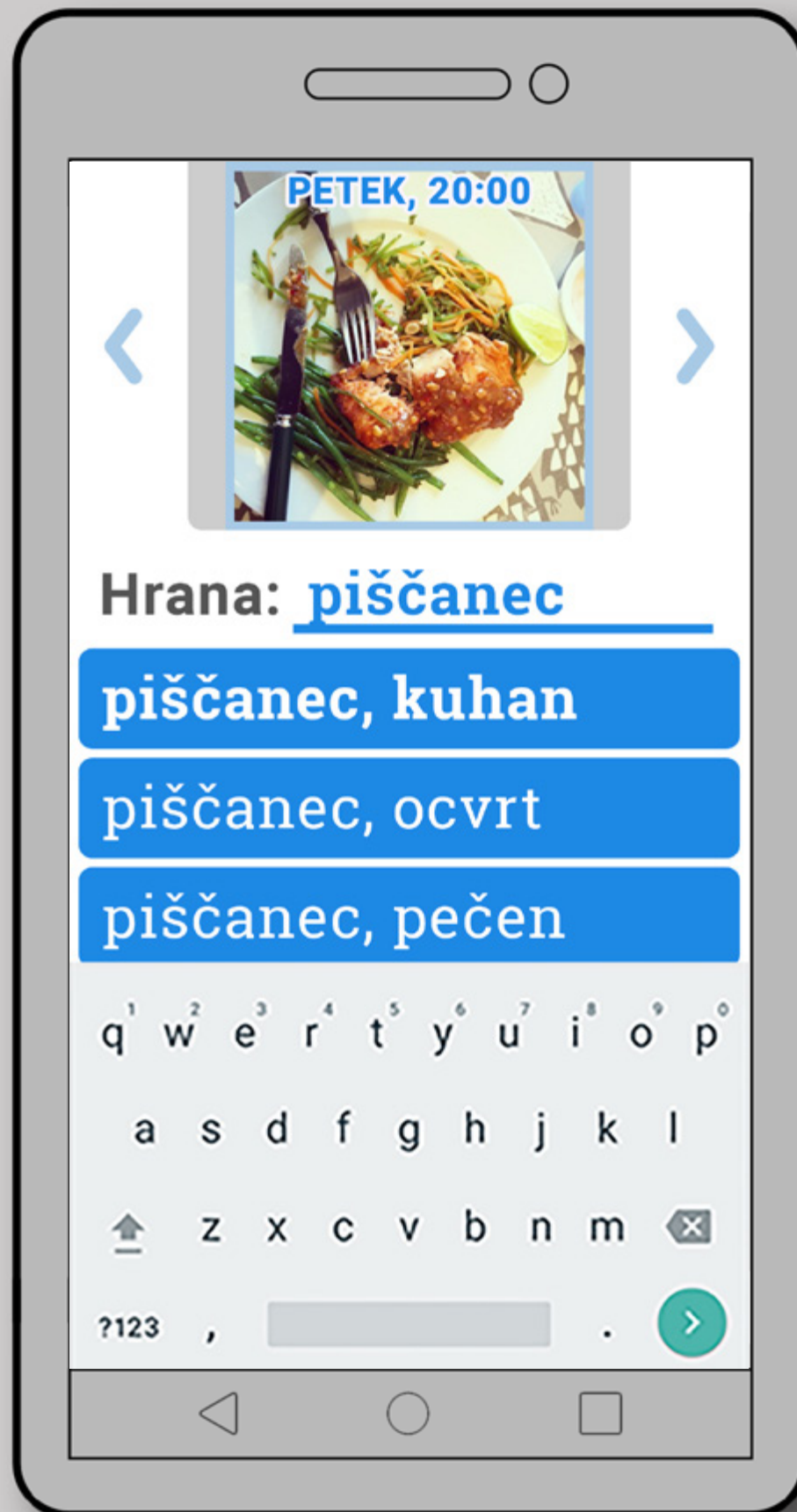
↑ z x c v b n m ✕

?123 , . >



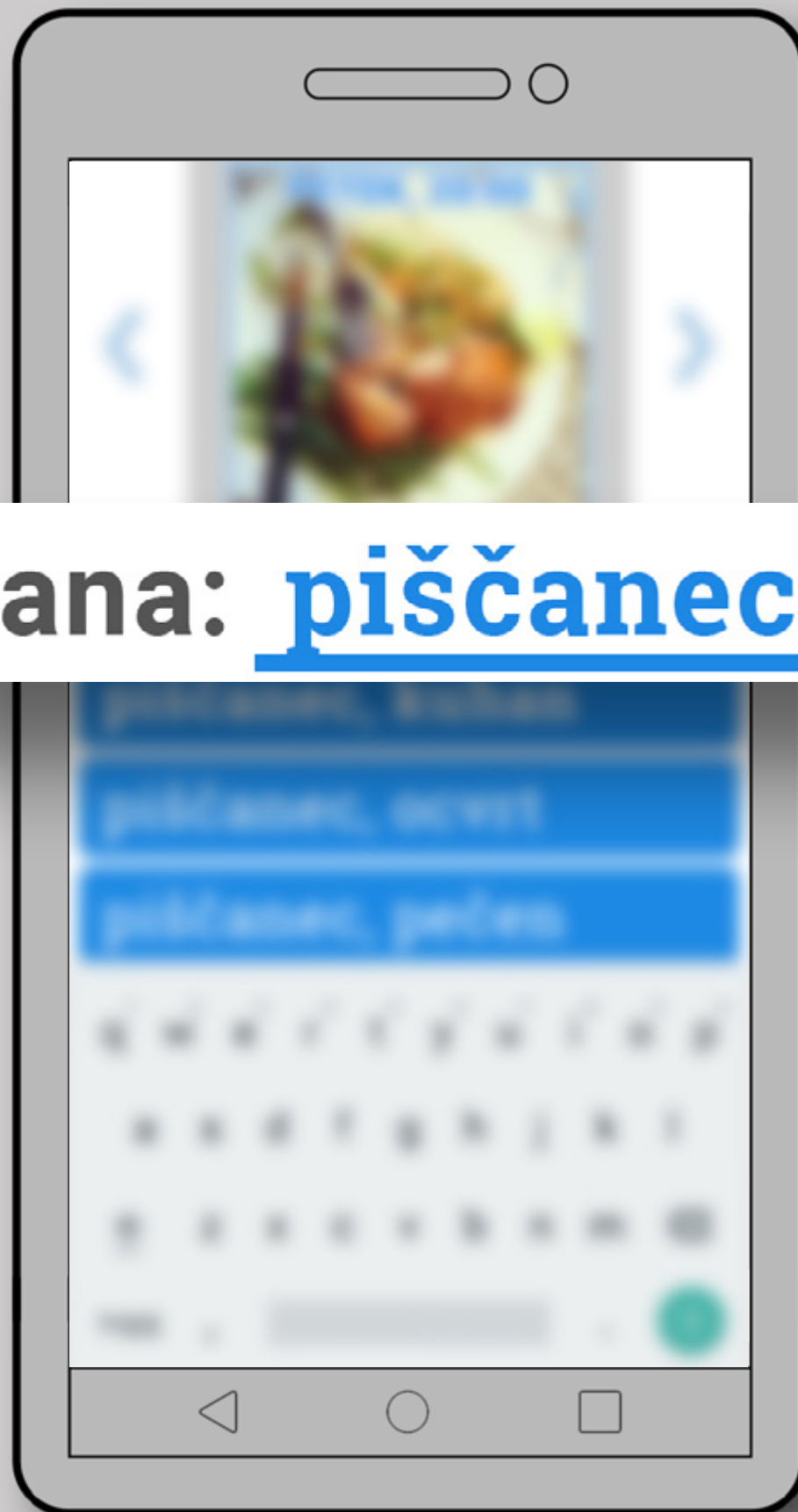
TASK COMPLETION

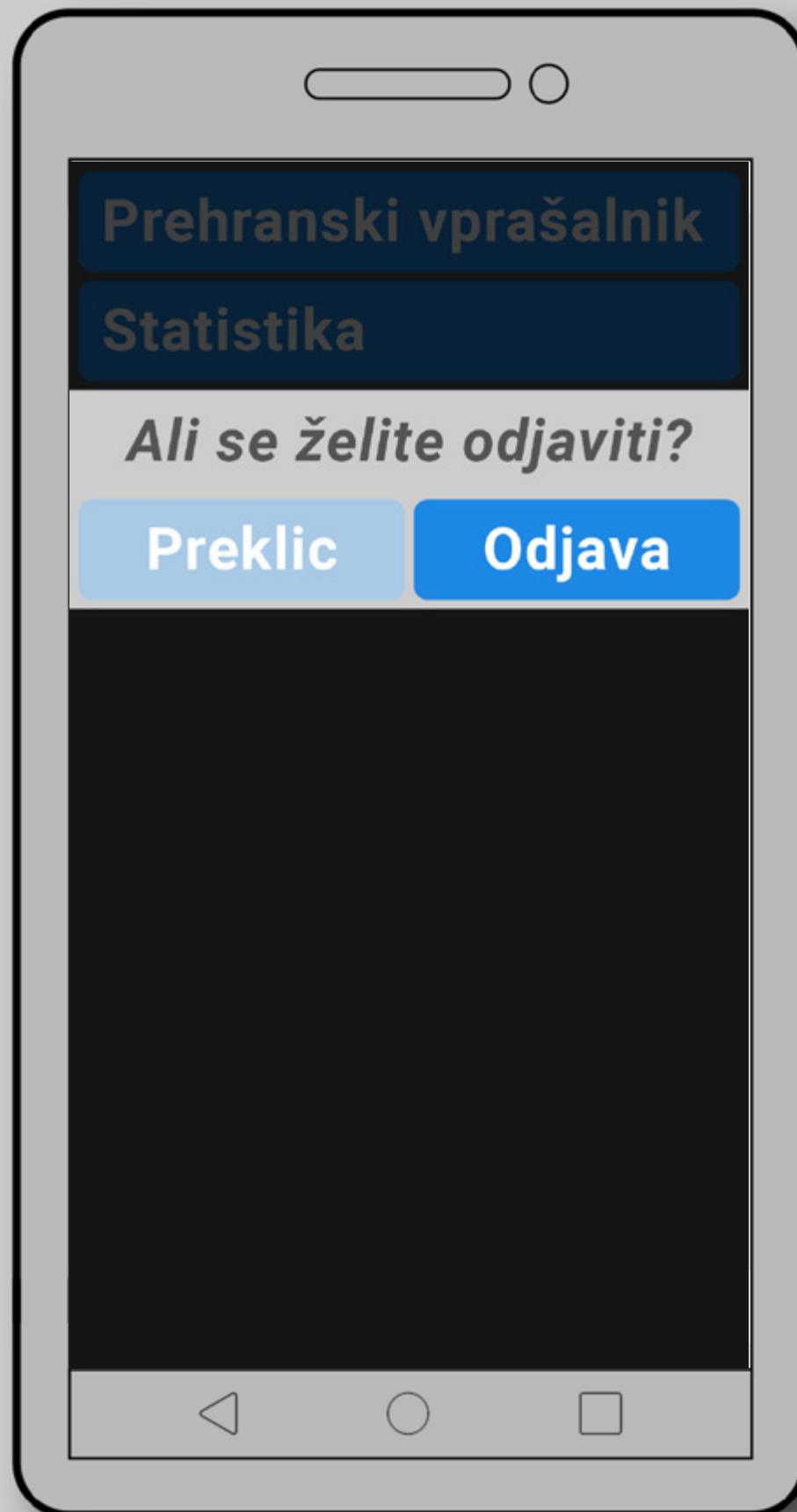




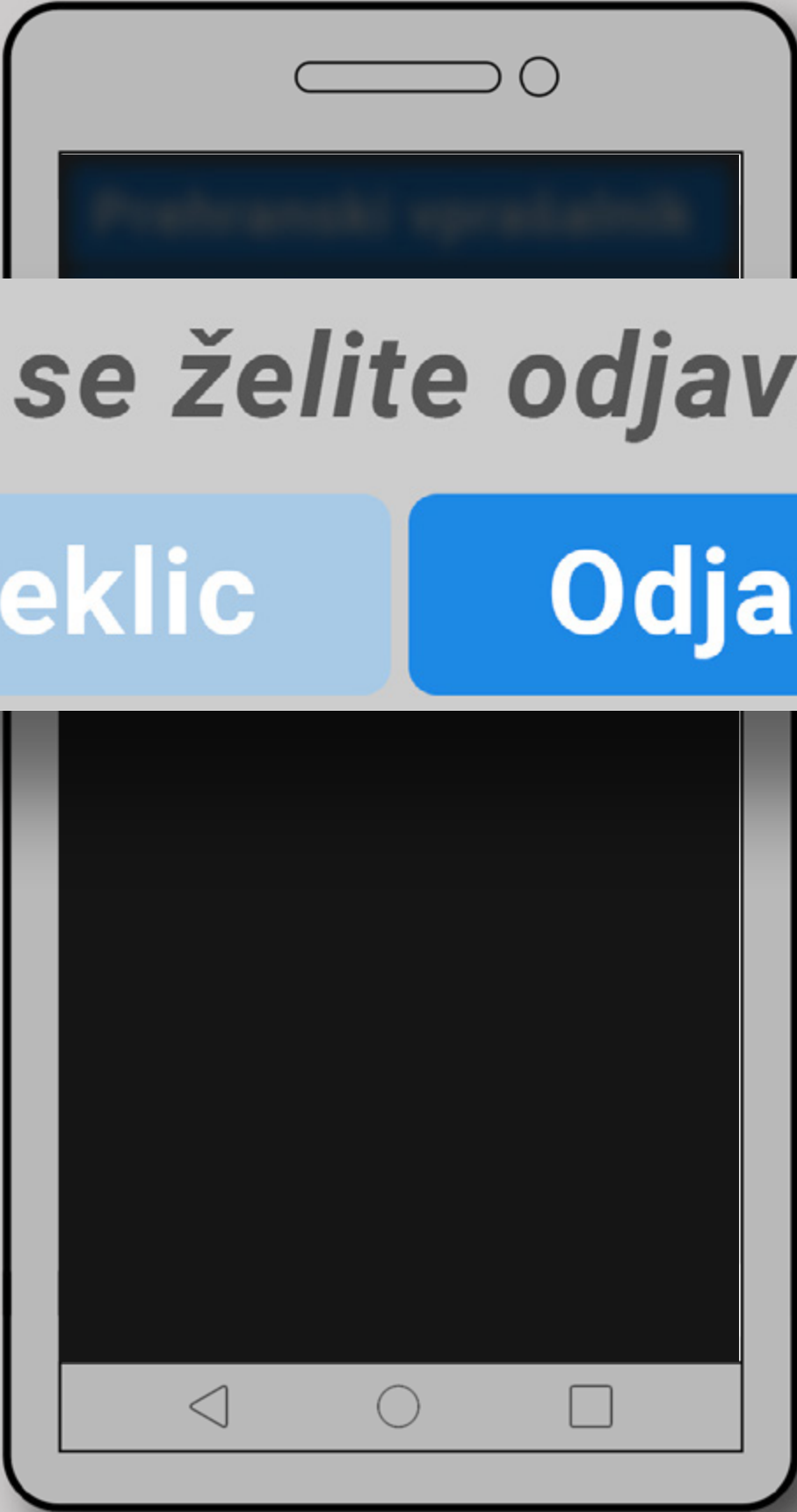
TEXT INPUT

Hrana: pišćanec





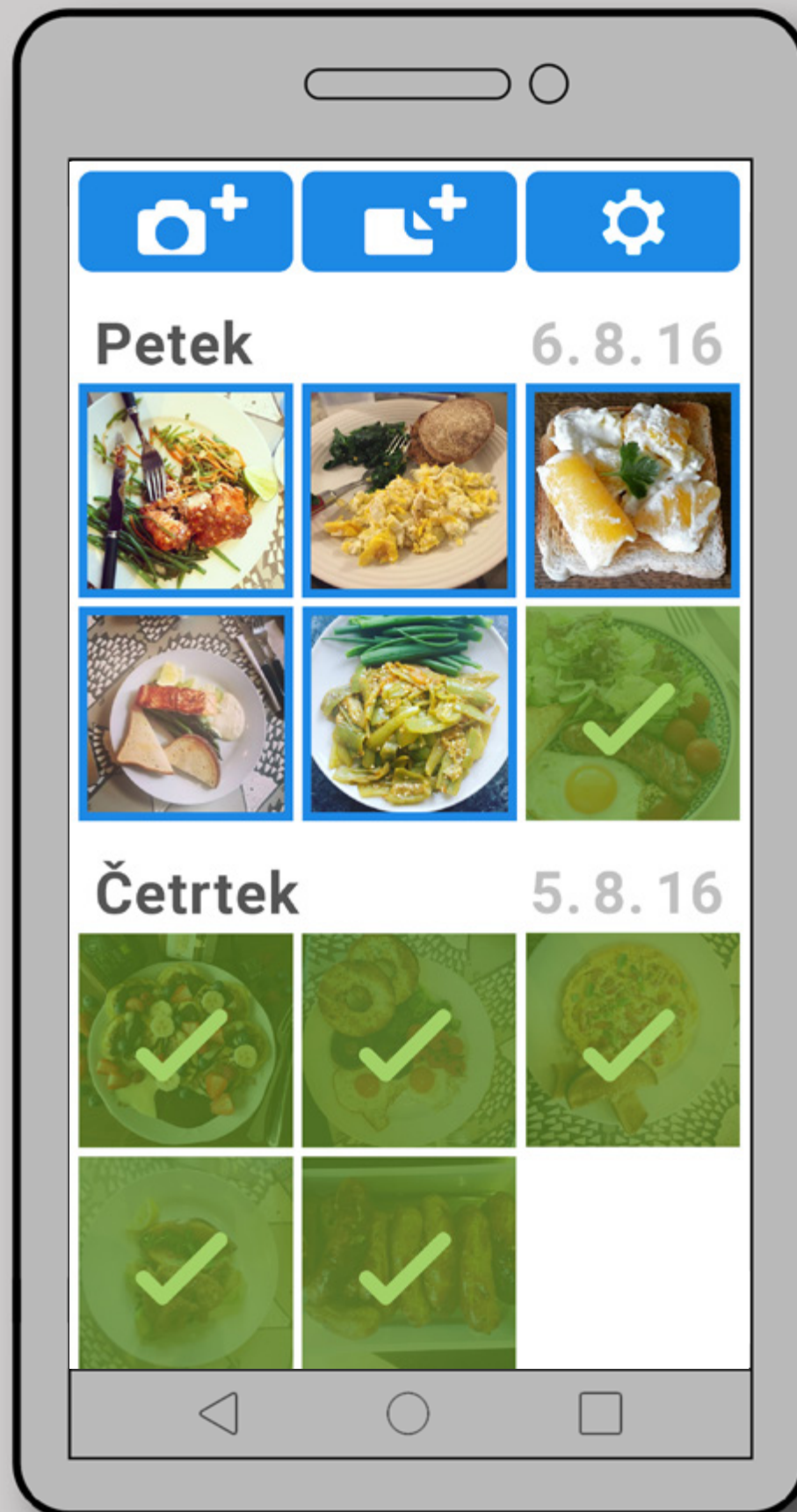
TEXT INSTRUCTIONS



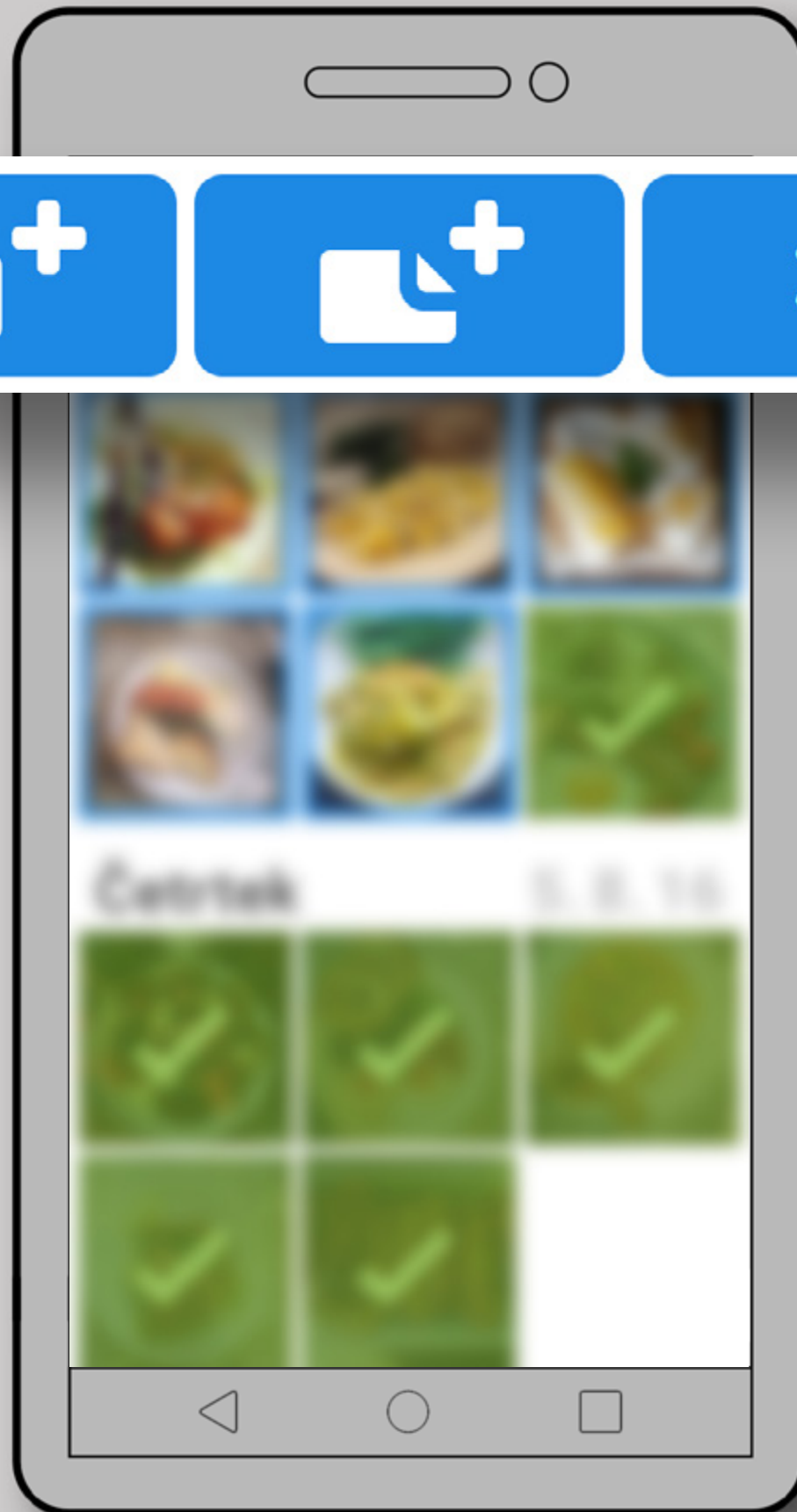
Ali se želite odjaviti?

Preklic

Odjava



FUNCTIONS



Structure



LEGIBILITY & READABILITY

A stylized illustration of a smartphone. The top half of the screen shows a food application with a vibrant image of a dish, possibly a salad or a fruit-based meal, and two blue buttons with white icons (a pencil and a checkmark) below it. The bottom half of the screen shows a standard QWERTY keyboard. The phone has a grey bezel and a small circular home button at the bottom center.

Hrana: šparglji

šparglji, kuhani



PROGRESSIVE STEPS



PIŠČANEC, OCV. 125g
ŠPARGLJI, KUH. 75g



Hrana: kalčki, surovi

Količina: _____

0.5 1 1.5 2 porcije

0.5 1 1.5 2 enote

5 10 15 20 grami



PAST INPUT



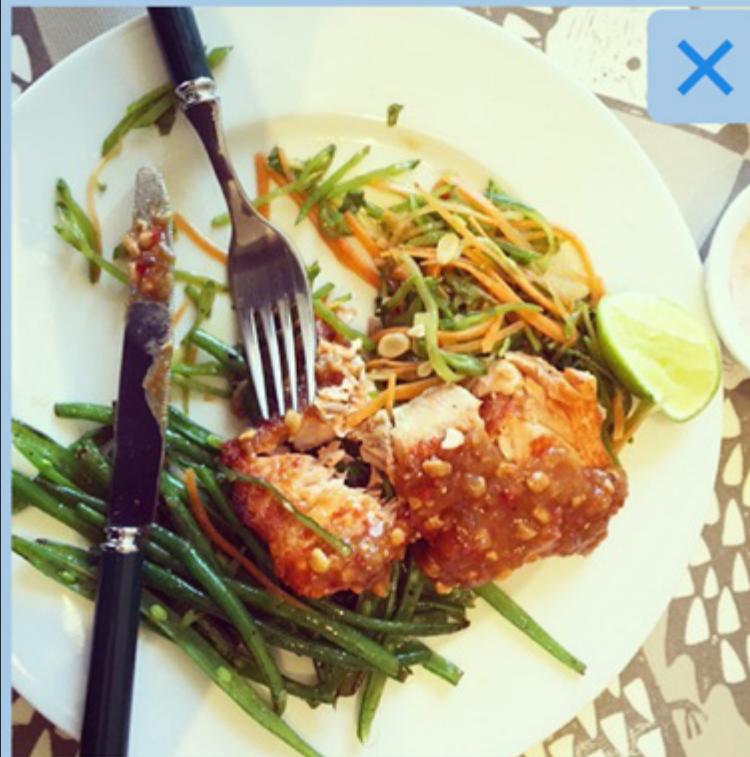
PIŠČANEC, OCV. 125g
ŠPARGLJI, KUH. 75g





EDITING OPTIONS

PET,(5.5.16) 22 : 00 X



piščanec, o. 150 g X

šparglji, ku. 75 g X

kalčki, sve. 20 g X

Hrana:



COMPLETION GUIDE

PETEK, 17:30



Hrana: |

jogurt, 1.2% ml. mašč.

jabolko, veliko

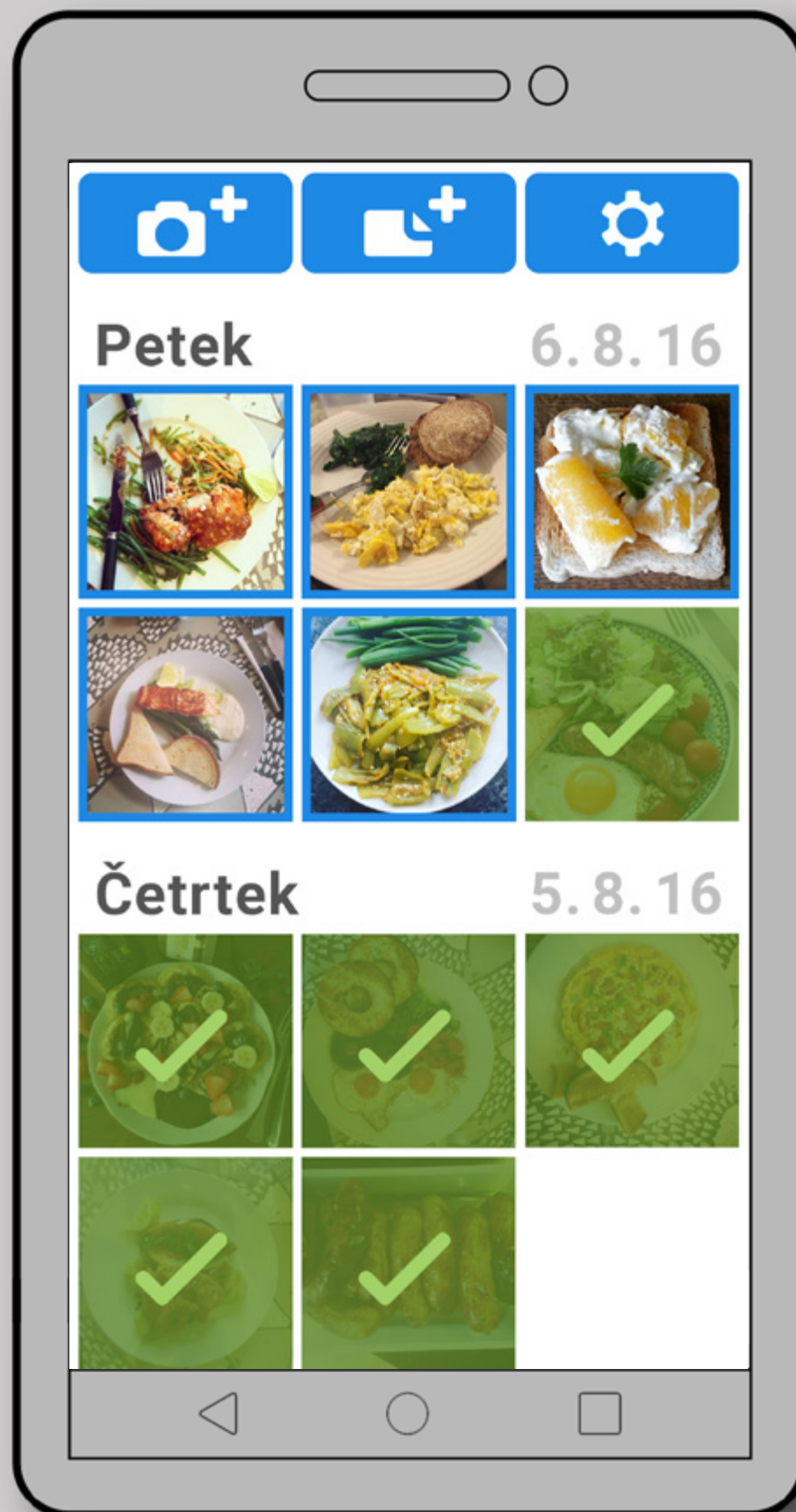
kruh, polnozrnati

q' w' e' r' t' y' u' i' o' p'

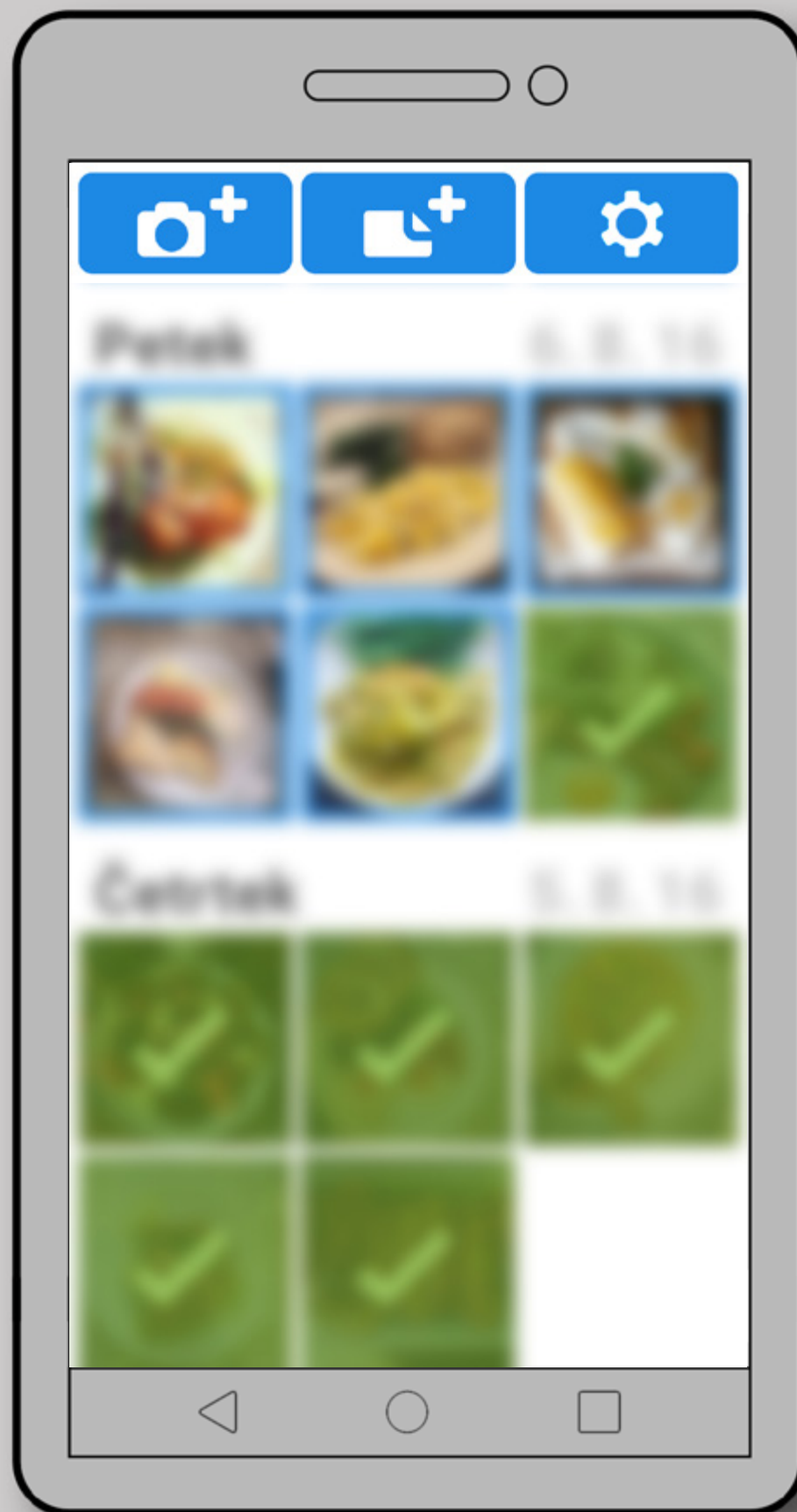
a s d f g h j k l

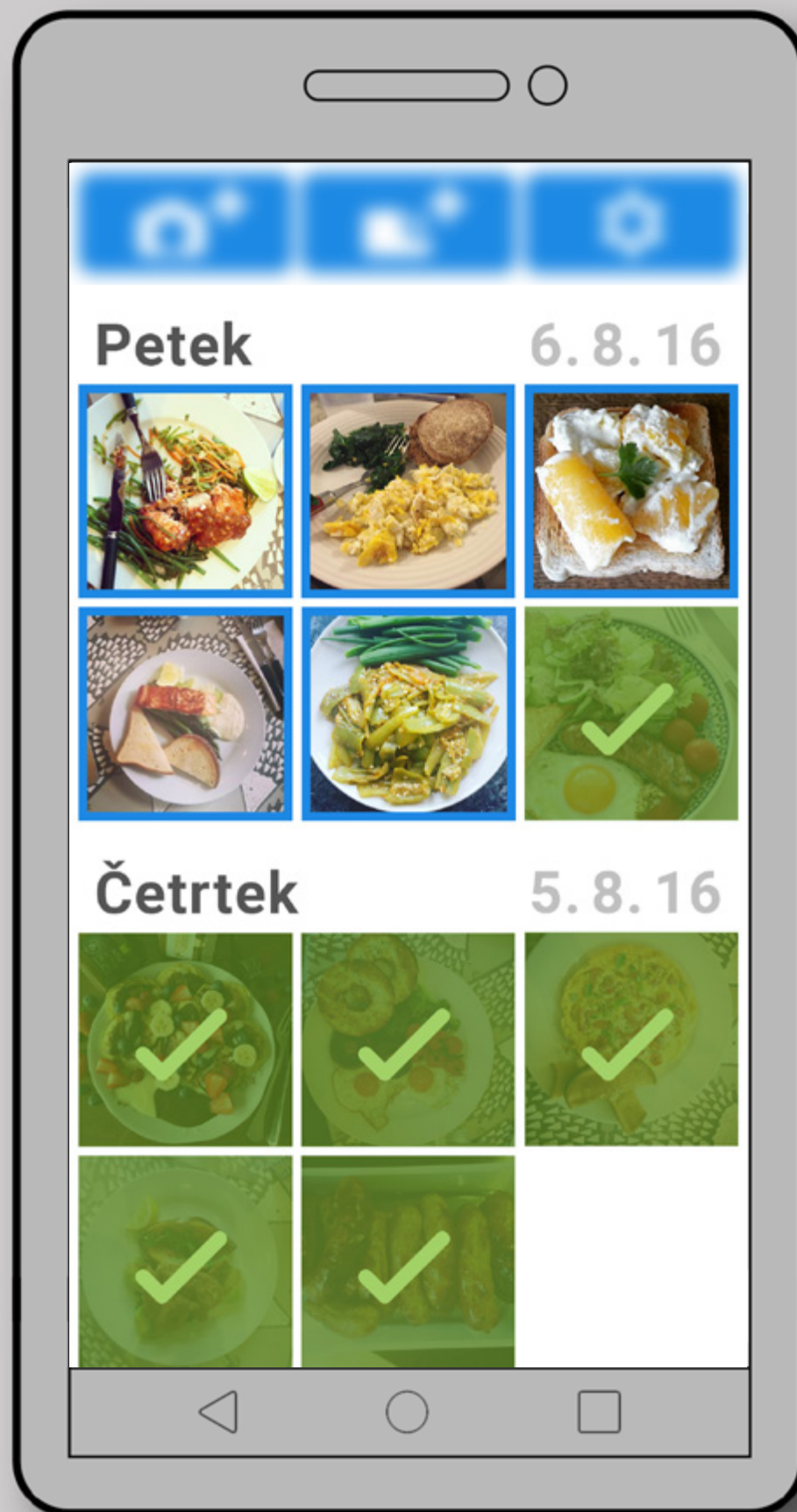
↑ z x c v b n m ✕

?123 , . >



WORK-FLOW





Interaction



LARGE BUTTONS



PIŠČANEC, OCV. 125g
ŠPARGLJI, KUH. 75g

Hrana: kalčki, surovi

Količina: _____

0.5	1	1.5	2	porcije
0.5	1	1.5	2	enote
5	10	15	20	grami

The image shows a smartphone screen with a food entry application. At the top, there is a photo of a dish (fried fish with asparagus) and a list of ingredients with their weights: 'PIŠČANEC, OCV. 125g' and 'ŠPARGLJI, KUH. 75g'. Below this, there are two buttons: a pencil icon for editing and a checkmark icon for saving. The 'Hrana:' field contains the text 'kalčki, surovi' which is underlined. Below that, the 'Količina:' field is followed by a horizontal line for text entry. At the bottom, there are three rows of buttons for selecting quantity and unit: the first row has buttons for 0.5, 1, 1.5, 2, and 'porcije'; the second row has buttons for 0.5, 1, 1.5, 2, and 'enote'; the third row has buttons for 5, 10, 15, 20, and 'grami'. The smartphone has a grey bezel and a home button at the bottom.

CONSTANT POSITION



PIŠČANEC, OCV. 125g
ŠPARGLJI, KUH. 75g
KALČKI, SVEŽI 20g



Hrana: l

jogurt, 1.2% ml. mašč.

jabolko, veliko

kruh, polnozrnat

q¹ w² e³ r⁴ t⁵ y⁶ u⁷ i⁸ o⁹ p⁰

a s d f g h j k l

↑ z x c v b n m ↵

?123 , [] . >





REDUCED TAPPING



PIŠČANEC, OCV. 125g
ŠPARGLJI, KUH. 75g

Hrana: kalčki, surovi

Količina: _____

0.5	1	1.5	2	porcije
0.5	1	1.5	2	enote
5	10	15	20	grami

REDUCED SCROLLING



PIŠČANEC, OCV. 125g
ŠPARGLJI, KUH. 75g



Hrana: kalčki, surovi



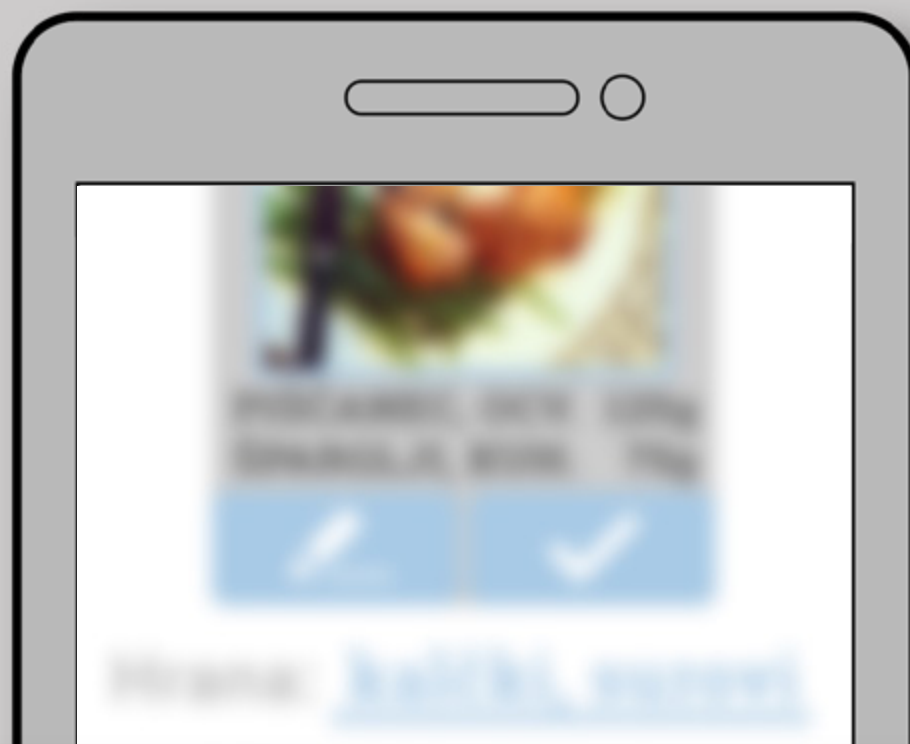
PIŠČANEC, OCV. 125g
ŠPARGLJI, KUH. 75g

Hrana: kalčki, surovi

Količina: _____

0.5	1	1.5	2	porcije
0.5	1	1.5	2	enote
5	10	15	20	grami

INPUT SUGGESTIONS



Količina: _____

0.5 1 1.5 2 porcije

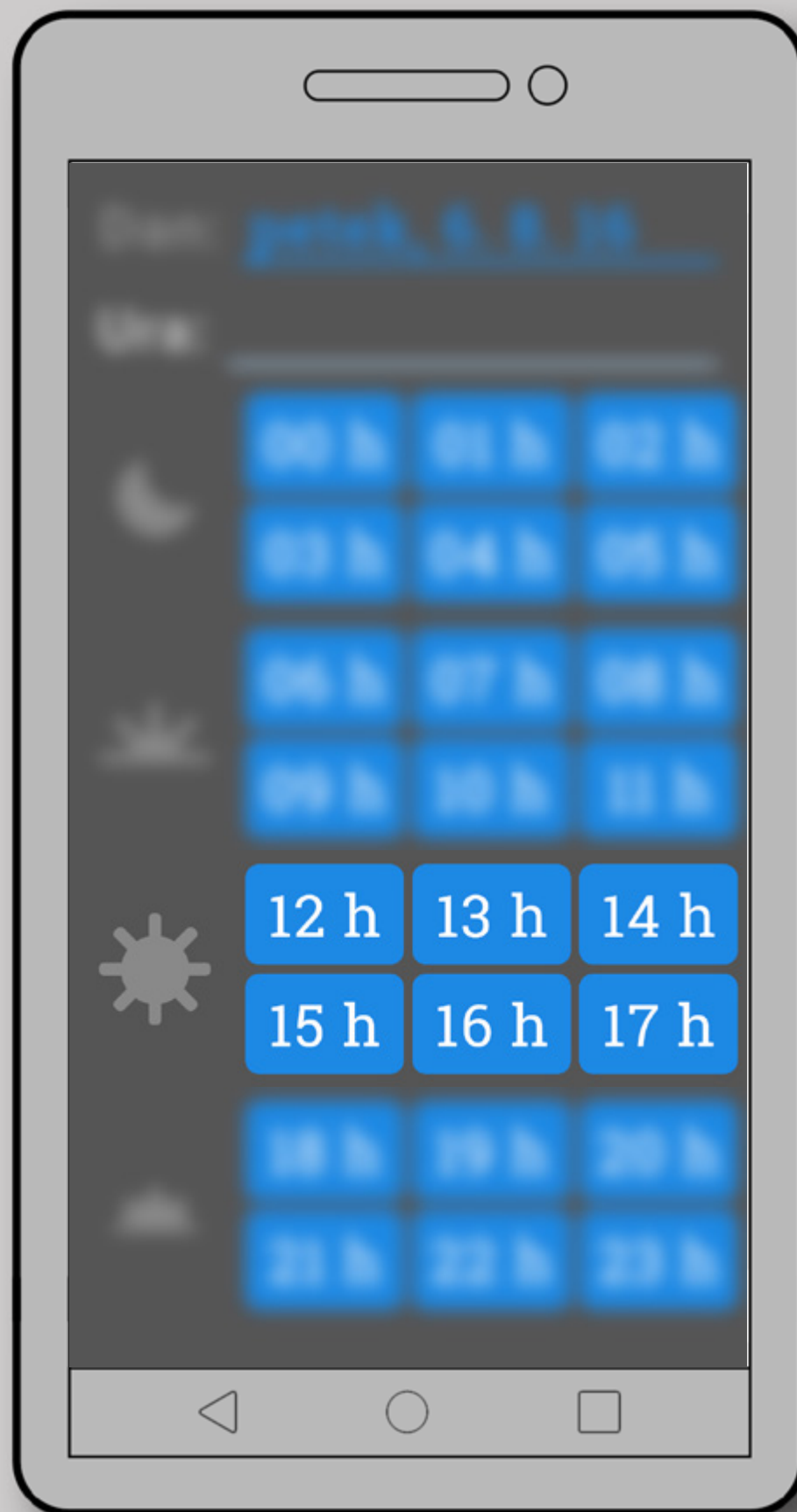
0.5 1 1.5 2 enote

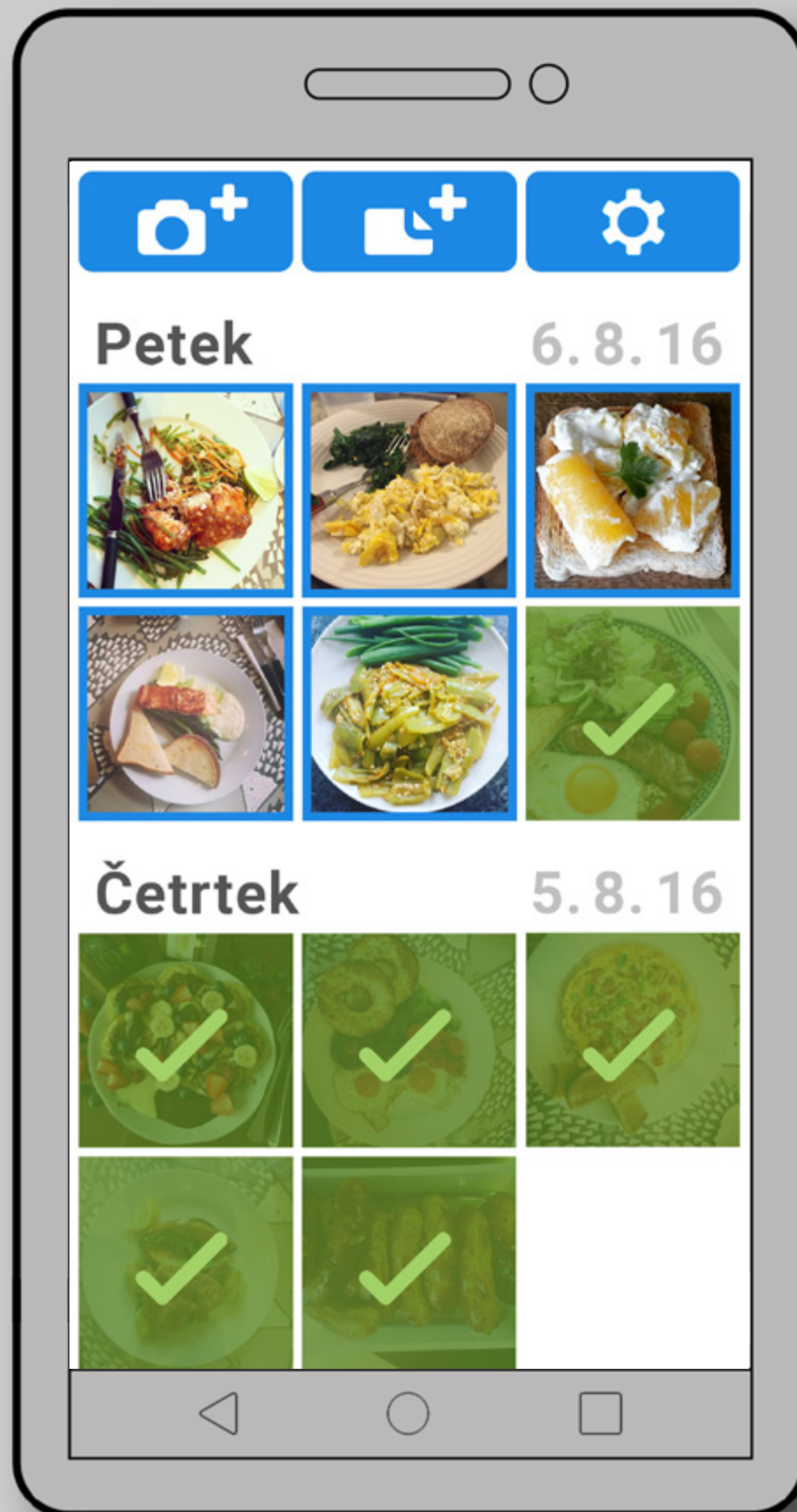
Dan: petek, 6. 8. 16

Ura: _____

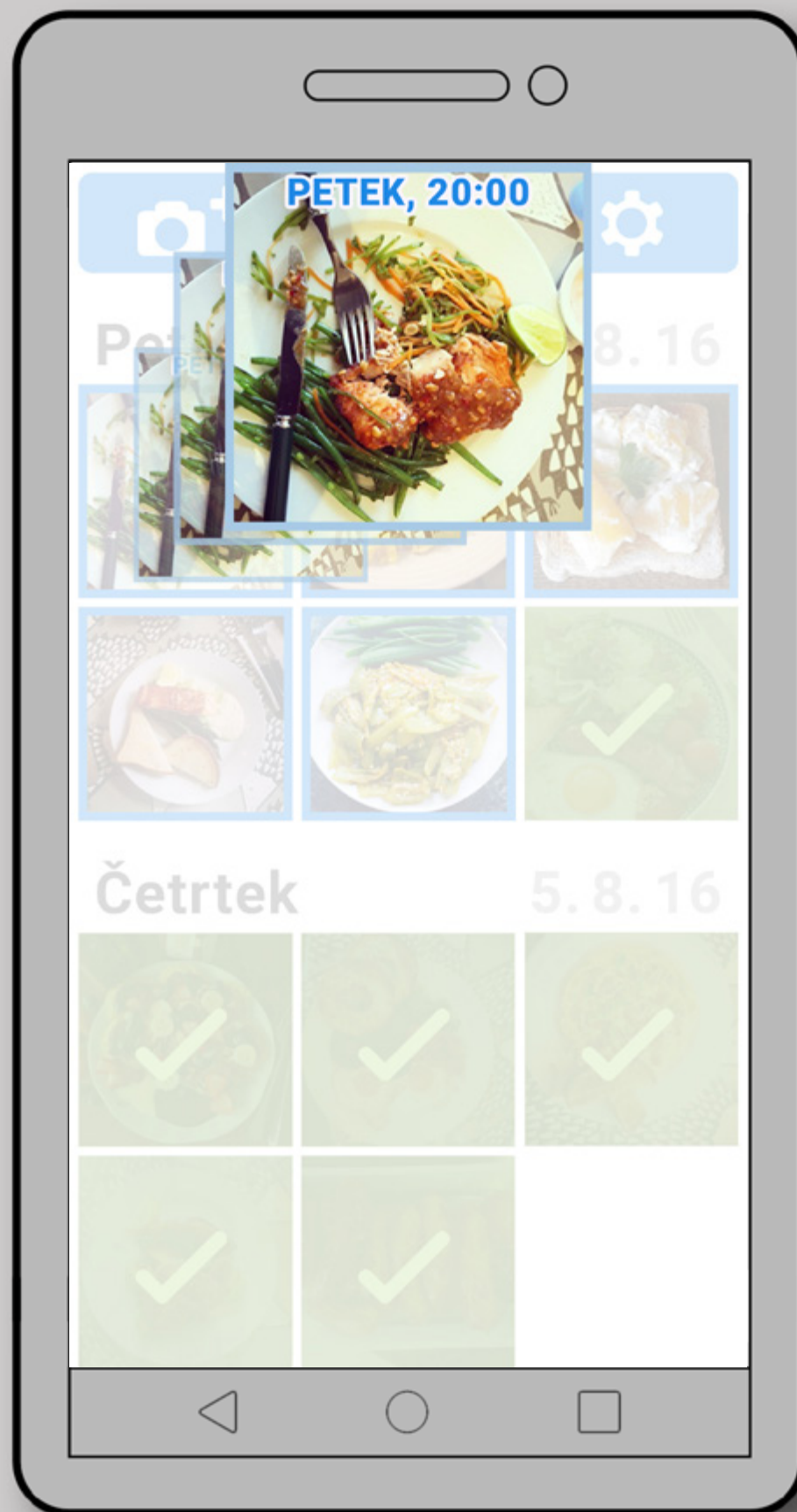
	00 h	01 h	02 h
	03 h	04 h	05 h
	06 h	07 h	08 h
	09 h	10 h	11 h
	12 h	13 h	14 h
	15 h	16 h	17 h
	18 h	19 h	20 h
	21 h	22 h	23 h

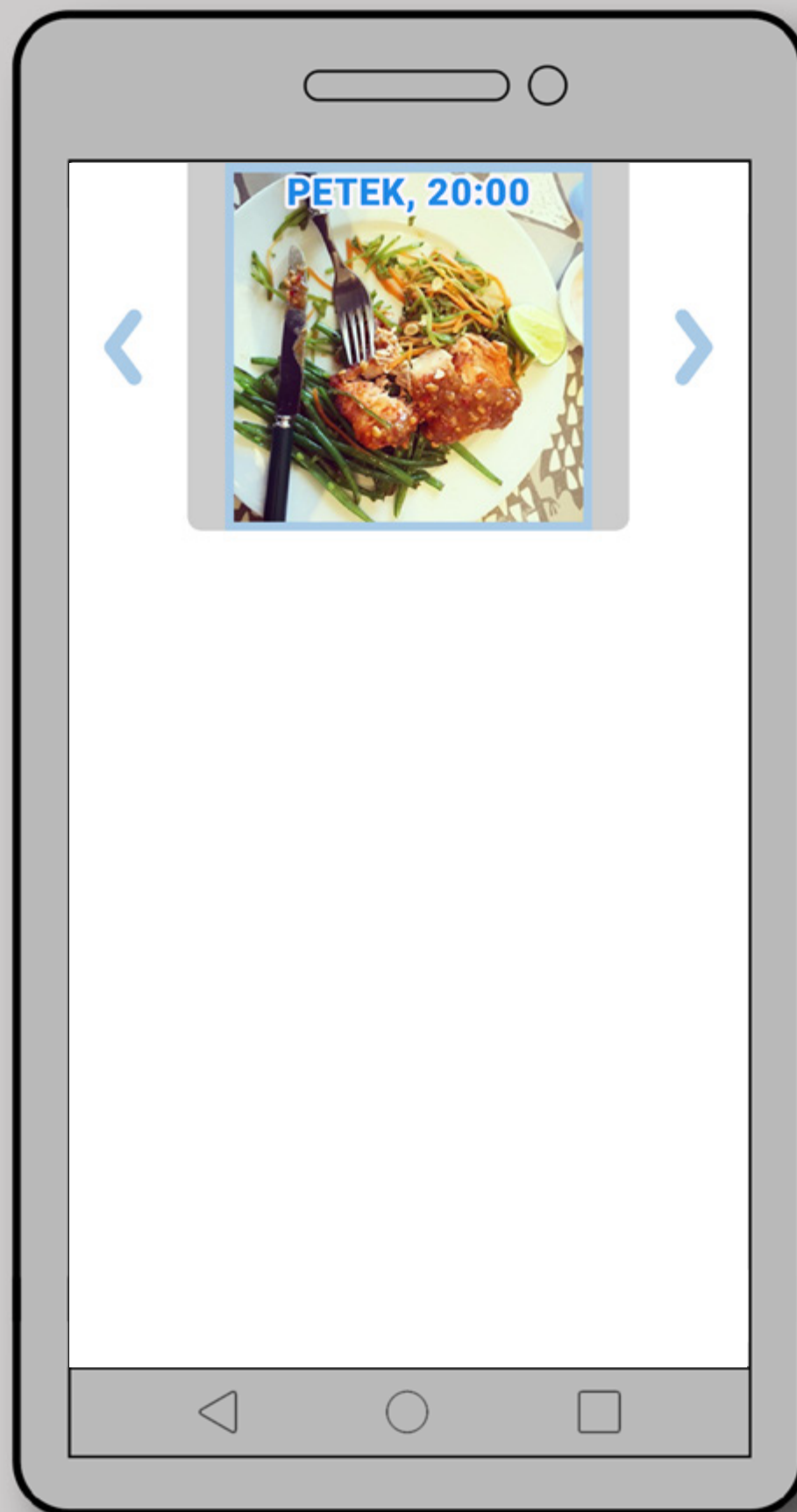
INPUT VISUALIZATION





GUIDING ANIMATIONS





PETEK, 20:00



Hrana: I

jogurt, 1.2% ml. mašč.

jabolko, veliko

kruh, polnozrnat

PETEK, 20:00



Hrana: |

jogurt, 1.2% ml. mašč.

jabolko, veliko

kruh, polnozrnat

q¹ w² e³ r⁴ t⁵ y⁶ u⁷ i⁸ o⁹ p⁰

a s d f g h j k l

↑ z x c v b n m ✕

?123

,

.



Q and A

