

Azahar project

together in autism

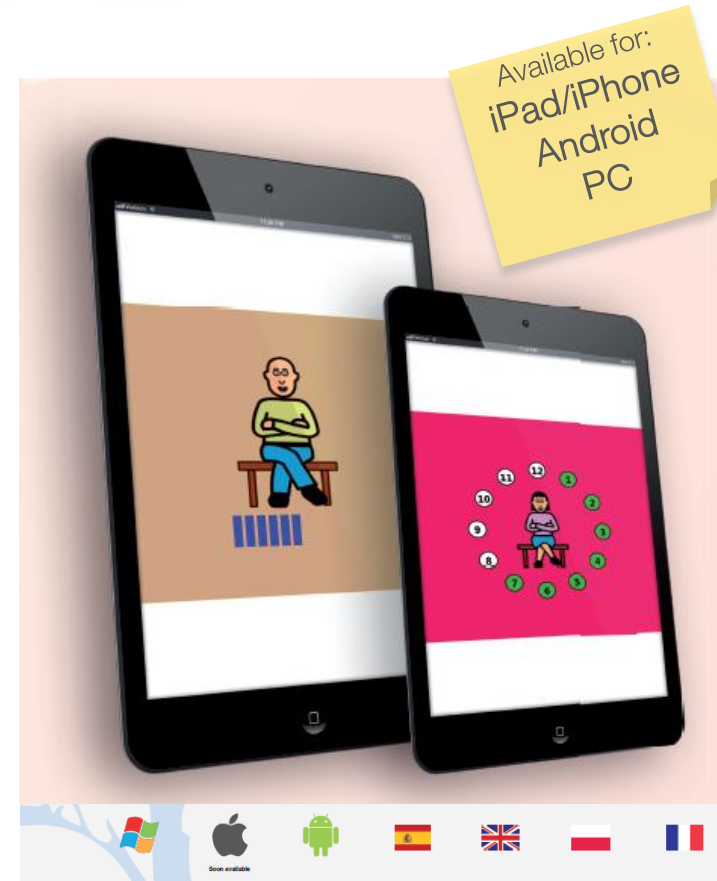




Azahar for smartphones and tablets

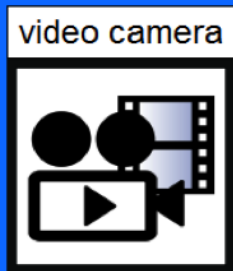
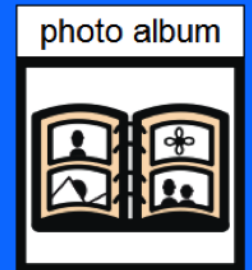
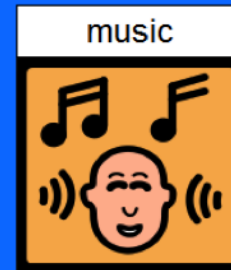
<http://www.proyectoazahar.org>

- Azahar project is a **set of free applications** for communication, planning and leisure which help improve the QoL and independence of people with low functioning autism
- the apps contain **pictograms, images and sounds** that can be adapted by and for each user. In addition personal photos, pics or voices can be added, ensuring maximum customization
- the project was launched some years ago for Windows SO. Presently, **adapted versions for Android and iOS** have also been developed





- controlled, structured and predictable environment
- Azahar is based on the **TEACCH** programme philosophy for offering a clear visual structure
- It can be adapted to the specific and individual needs



Different
apps in the
same
environment



AZAHAR

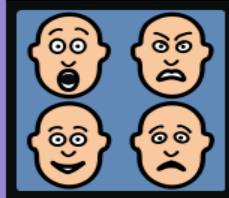
Communication using images – HELLO & PHRASES



make phrases



emotions



eat

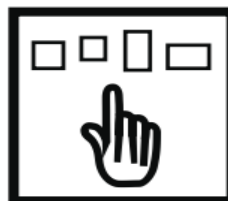


clothes



A simple AAC

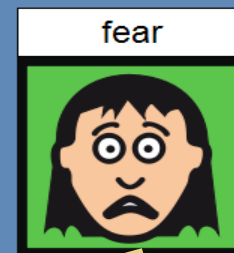
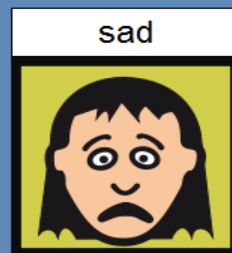
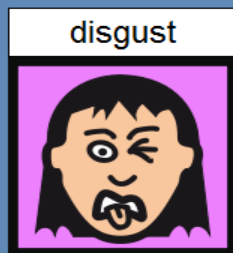
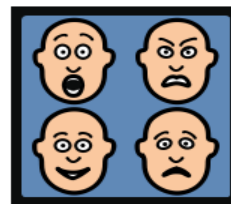
It can be adapted to the preferences and complexity level appropriate for the person who is going to use it. This allows the content to be chosen depending on whether the user is able to manage categories and compose sentences.



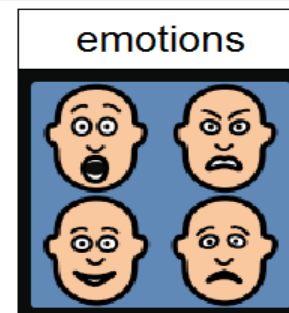
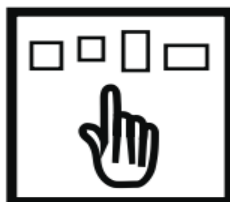
communicate



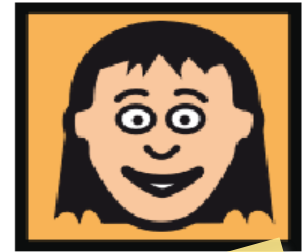
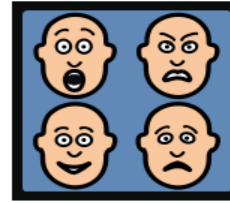
Communication using images – HELLO & PHRASES



e.g. Inside the emotions category you can include as many pictos or images as you want to



Communication using images – HELLO & PHRASES

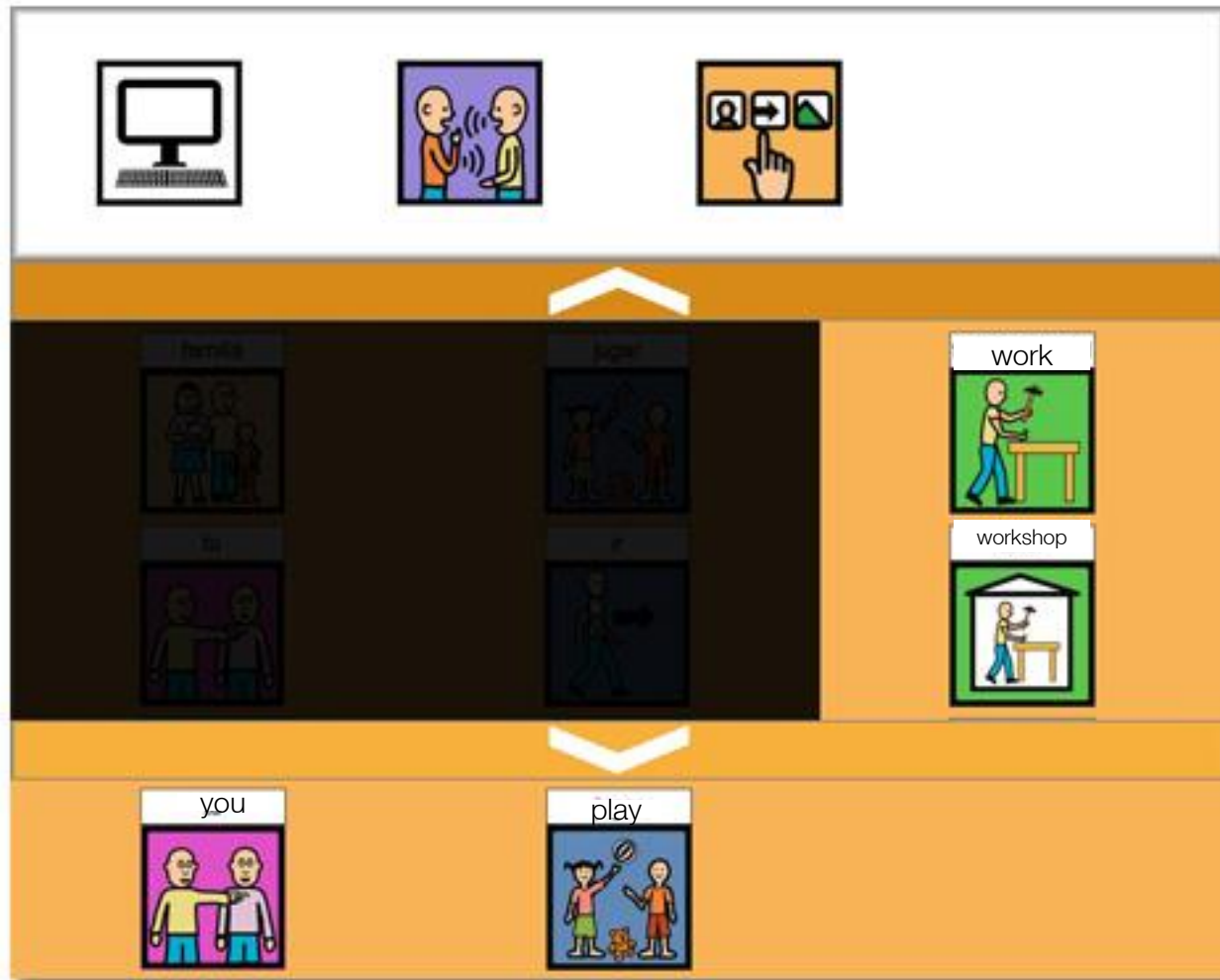


happy



The header is what we call
“The Step Guide” which is a
visual guide that helps the user
to identify: where he is, what
he’s doing and all the steps
needed to get to this point:
“Step1: communication – step
2: emotions- step 3: happy”

Communication using images – HELLO & PHRASES

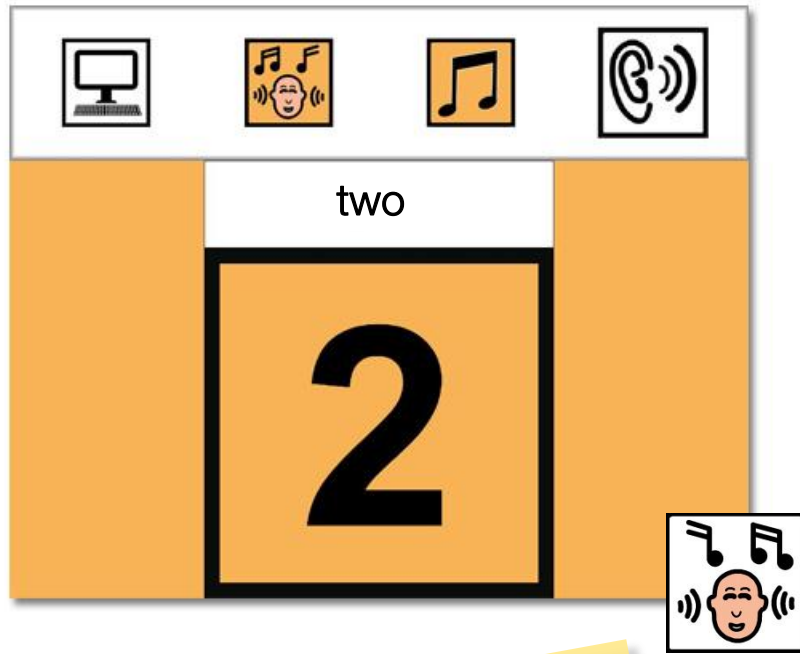


You can also
activate the
option "Making
Phrases"



AZAHAR

Leisure activities – MUSIC, PICTURES & VIDEOS



This applications offer the opportunity to manage music, video an pictures in an accessible and simple way, for example playing a song or select an artist, taking or looking at pictures just by touching an image!



AZAHAR

Understanding the concept of time – TIC-TAC

visible, audible, tangible



A **TIMER** designed to aid understanding and management of time. It makes it possible to visualize the duration and passing of time, accompanied with pictograms or images to identify the activity underway or a period of waiting.

For example: brushing teeth



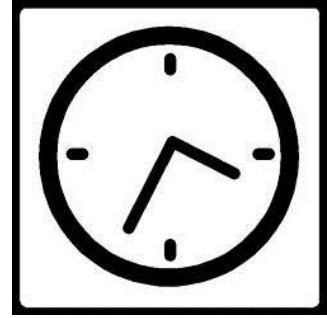
“They have difficulties to go ‘beyond the information’, ‘seeing beyond the literal’. So how can they understand what ‘invisible time’ is? ” Theo Peeters (2007, 2008)



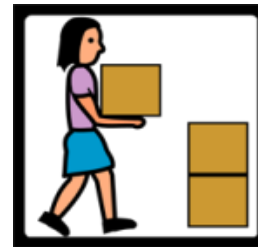
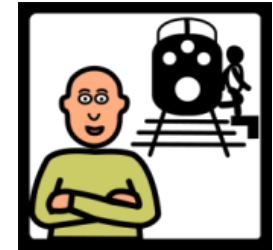
AZAHAR

Understanding the concept of time – TIC-TAC

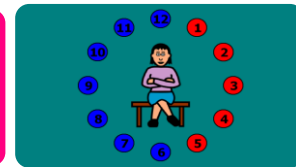
visible, audible, tangible



- How much time do I have to finish this?
- How long can I have to do the activity I'm enjoying so much?
- How long do I have to wait for them to pick me up?



- The TIC-TAC tool has been designed to be used for waiting periods, free time, working and at times of sensory overload

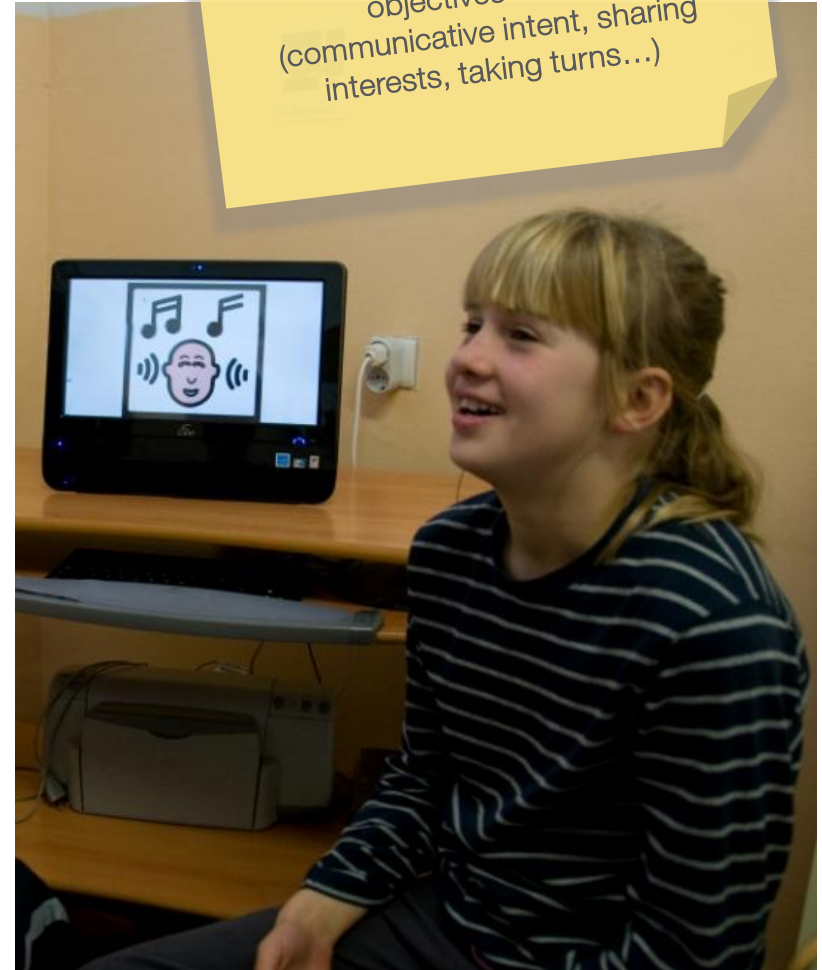


AZAHAR

Educational objectives



Apart from the main objectives for which they were designed, these applications could be used to make the job of other educational objectives easier.
(communicative intent, sharing interests, taking turns...)



AZAHAR

Azahar customization

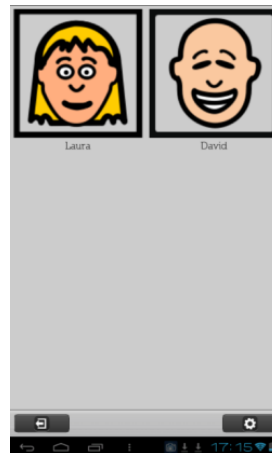


So far, we've seen what Azahar is and how it can be used.

Now, let's get into its customization.

The same device can be used by several people at the same time, allowing each user to have their own applications and their specific way of interacting with them.

Azhar comes with two demo users to explore the possibilities of the app easily. These Demo Users (David and Laura) can be deleted or hidden.

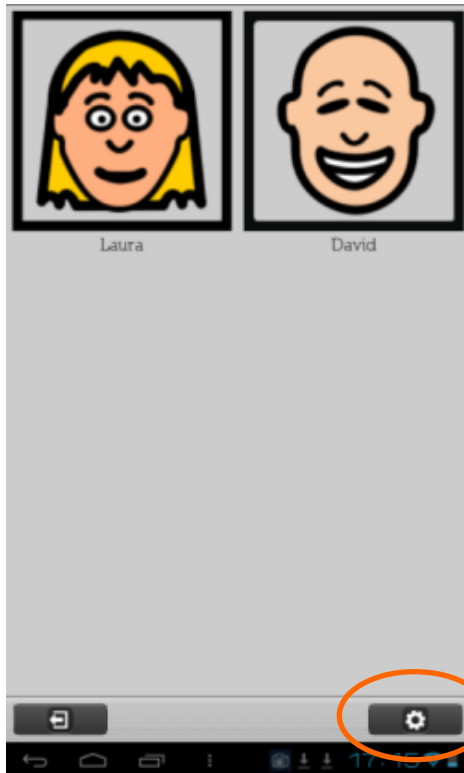


← Demo
users
(Can be
deleted/hidden)

Main Screen

Running azahar : Working Scheme

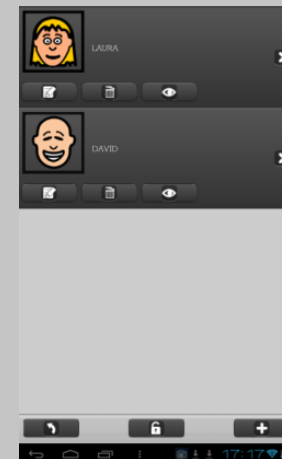
Main Screen



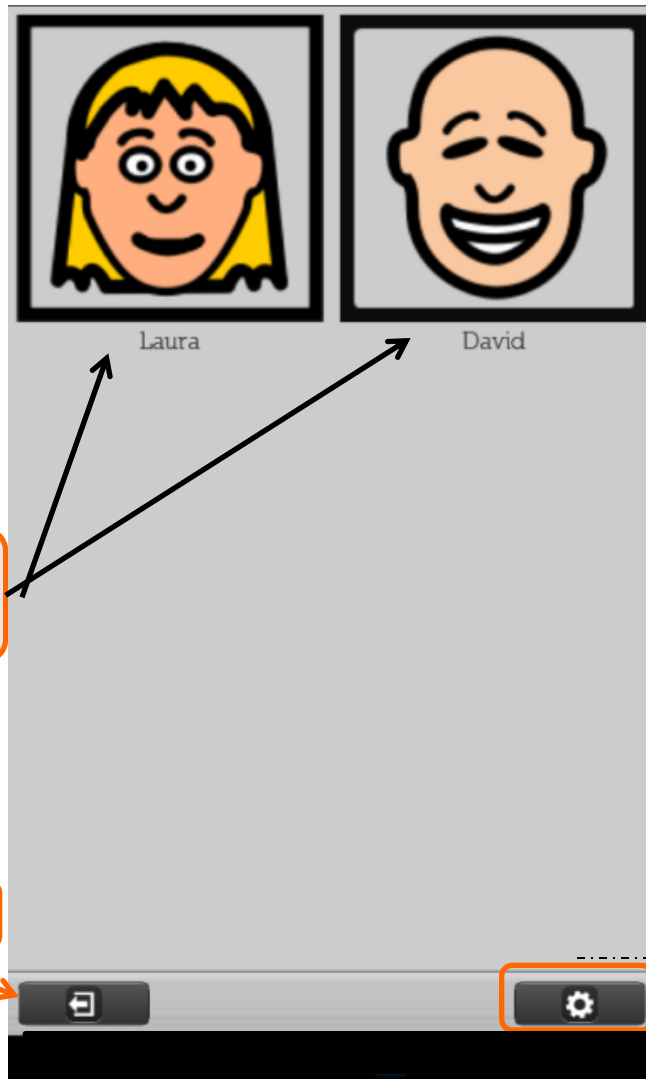
USER Section



TUTOR Section



START section (main screen)



Demo users
(can be
deleted/
hidden)

Users zone. All visible users
of the system are displayed

User can enter by clicking
on their picture

Tutor options:

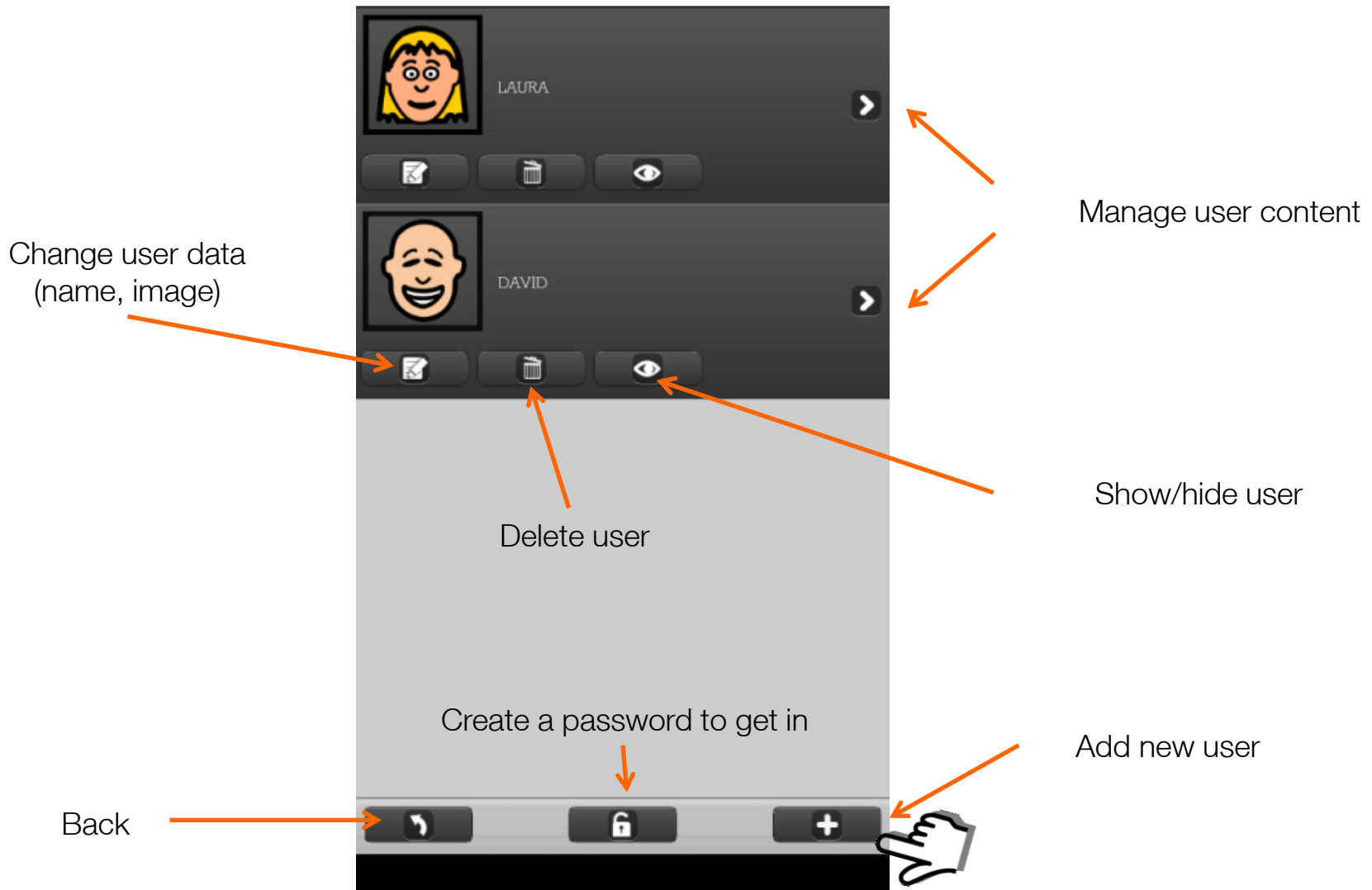
- Add a new user
- Change user data
- Hide the user
- Delete the user
- Create new content

Access to the
USERS Section

EXIT

Access to the TUTOR Section

TUTOR Section (Tutor main screen)



Create a new user



Back

Usuario

Imagen

Nombre de usuario

User name

Save changes

User image. You can take a picture with the camera of the device or use one from the gallery.

Elegir imagen

Cámara

Galería

Open camera app

Open gallery

Create a new user

Step by Step

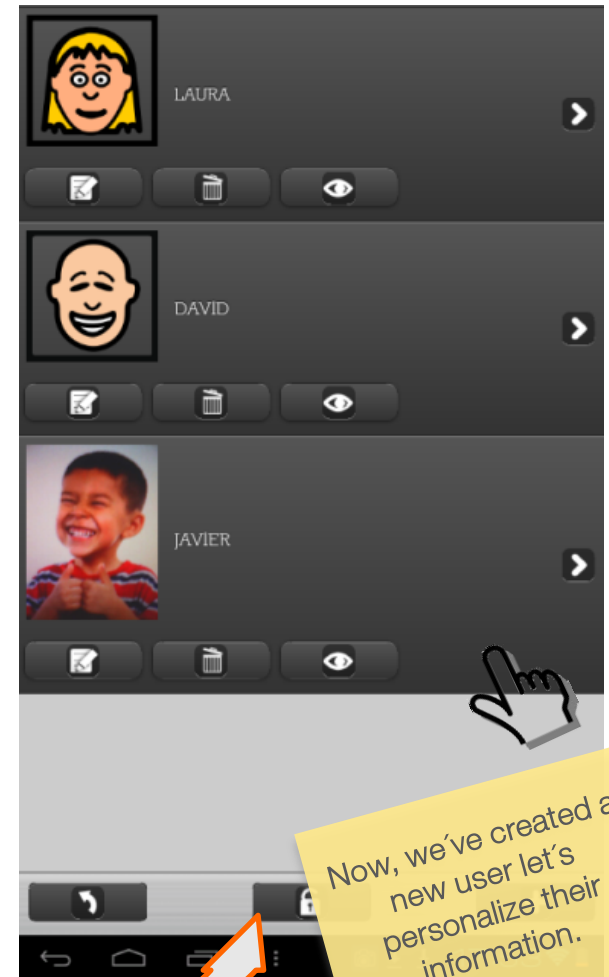


The screenshot shows a form titled 'Usuario' with a back arrow at the top left. It contains a photo of a boy, a text input field with 'JAVIER', and a checkmark button at the bottom. An orange arrow points from the photo to the text '1º: Insert a photo'. Another orange arrow points from the text input field to the text '2º: Write name by clicking in the box'. A hand icon points to the checkmark button, with an orange arrow pointing to the text '3º: Click here to save your data and automatically return to the "Tutor Main Screen"'. A large orange arrow at the bottom points from the checkmark button to the right-hand screenshot.

1º: Insert a photo

2º: Write name by clicking in the box

3º: Click here to save your data and automatically return to the "Tutor Main Screen"



Now, we've created a new user let's personalize their information.

User configuration screen.

Add content (1/6)



Step Guide

Activate or deactivate clicking "user settings"



Content

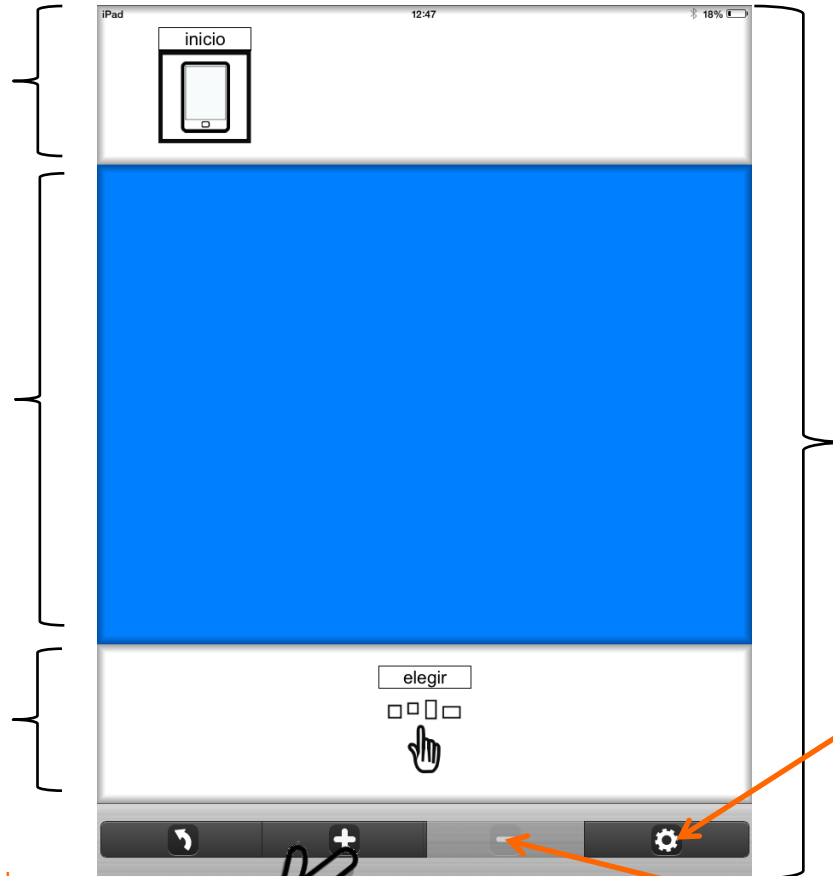
This is where we insert Javier's information

Choose

Visual aid showing the user that they can choose

Add content

Click here to open the User's new content screen to add communication, leisure and planning tools



Here, as a tutor, we see "Javier's desktop" as he will see it.

"Javier's Desktop" is empty because we haven't yet personalized it

User Settings

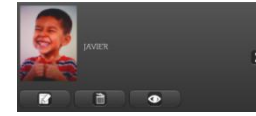
In order to change the configuration

Delete content

First select the content and then press delete

User configuration screen.

Add content (2/6)



Content to add

Communication

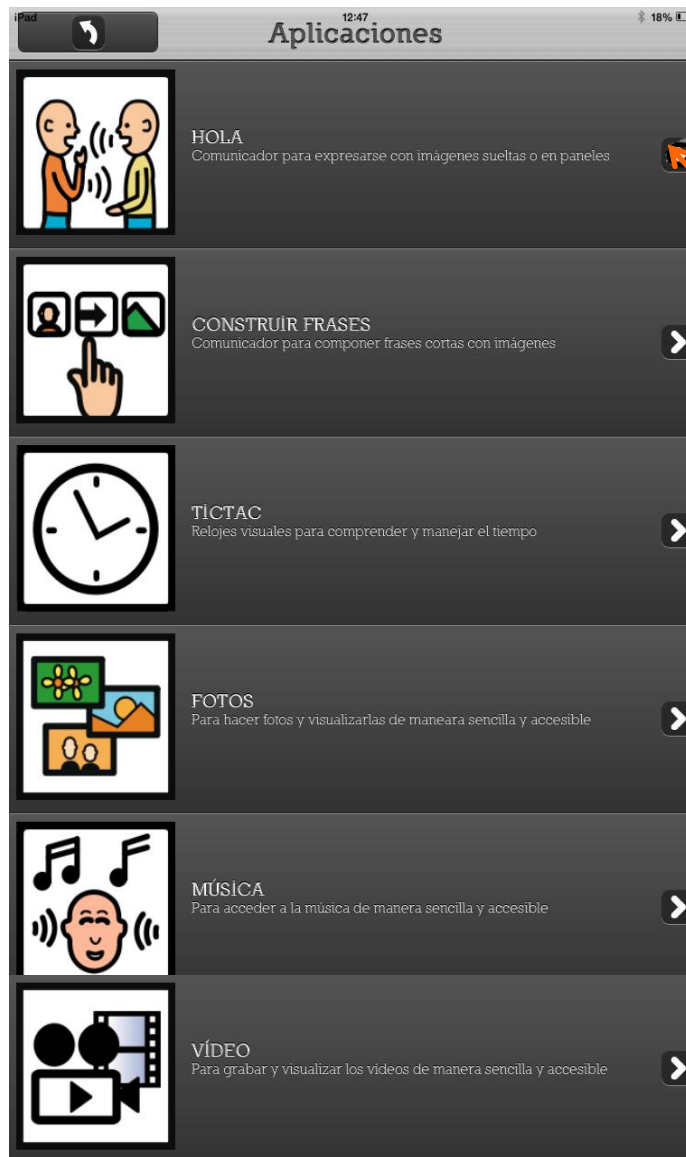
- HELLO (buttons or story boards)
- MAKING PHRASES

Supporting tools:

- TIC-TAC (timer)

Leisure:

- PHOTOS
- MUSIC
- VIDEOS



Let's activate one simple message creating a stand-alone button with the application HELLO

Communication with pictograms:

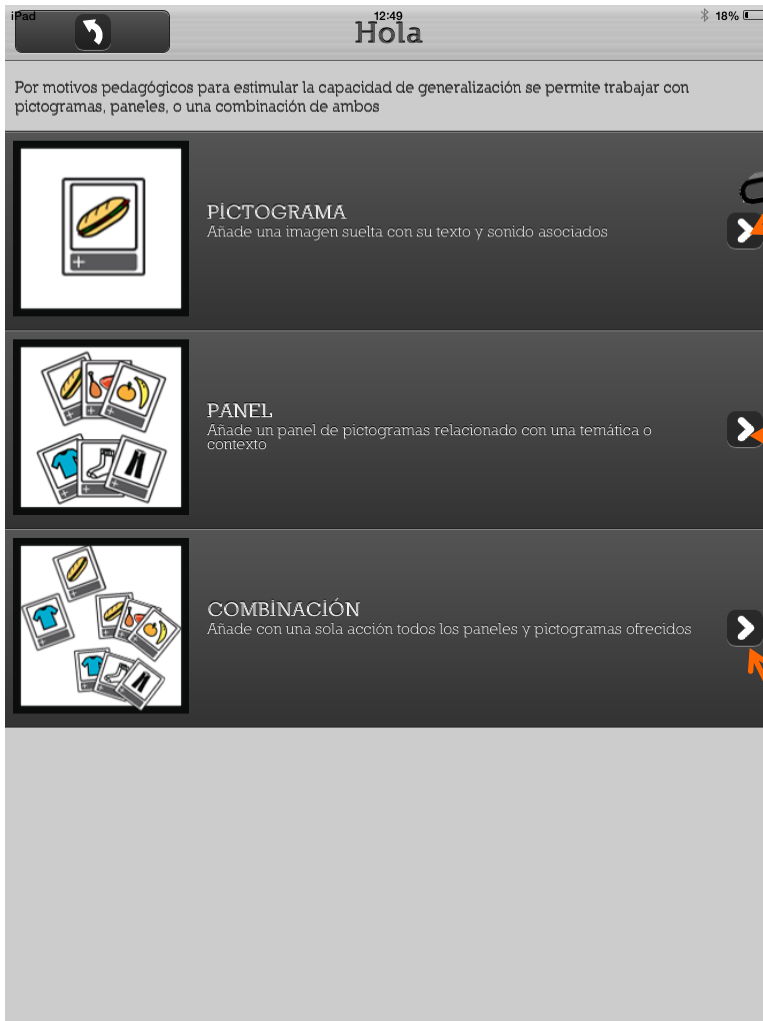
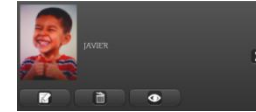
Click here:

- We can add a single button (simple message)
- Add categories with several pictos
- Add a combination of story boards with several categories

Let's get into "HELLO"

User configuration screen.

Add content (3/6)



Create a new comm. button

Add a single image with its associated text and sound

Create a new comm. story board

A story board is like a single category relating to a theme or context.

It has a picto that represents the board and inside all pictos needed. For example:

Story board: Kitchen

Inside: knife, spoon, table, oven...

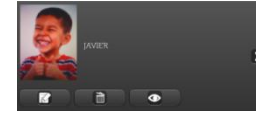
Create a combination

To add all storyboards and pictograms offered in one step

For pedagogical reasons in order to stimulate the ability to make generalized pictograms, story boards or a combination of both may be used. To create a communication system the best thing is to start gradually.

User configuration screen.

Add content (4/6)



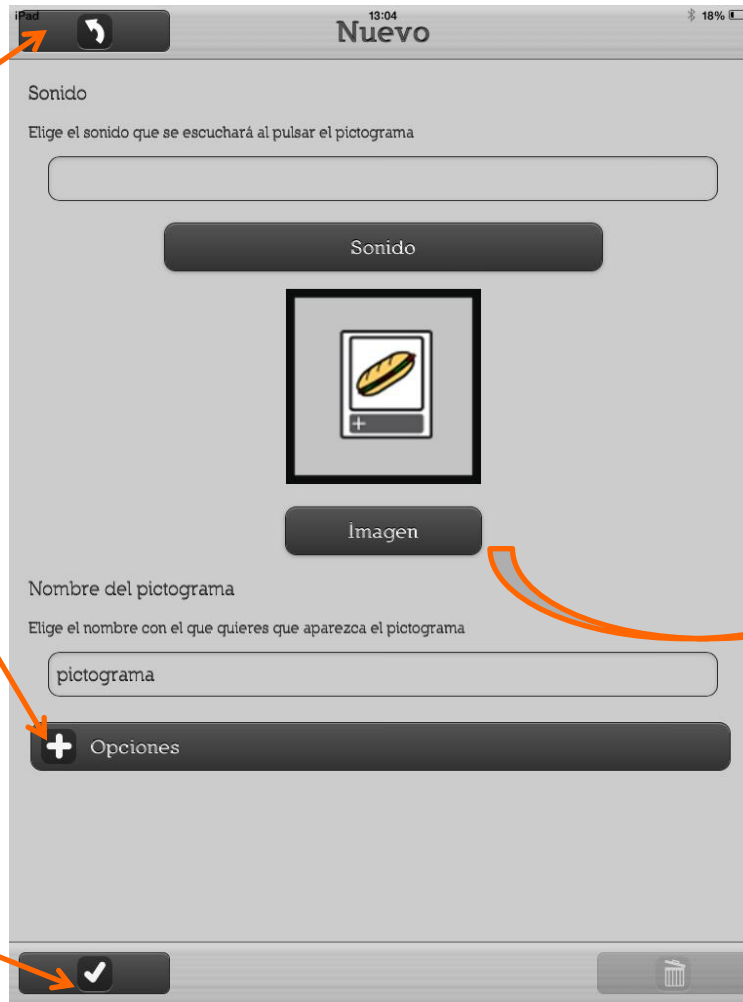
Back

Be aware of clicking it without saving the data

More options:

Choose background color, select category...

Save changes



iPad 13:04 18%

Nuevo

Sonido

Elige el sonido que se escuchará al pulsar el pictograma

Sonido

Imagen

Nombre del pictograma

Elige el nombre con el que quieres que aparezca el pictograma

pictograma

+ Opciones

Guardar

1.- Click the **Sound** button to record your voice or link an mp3 file from Gallery

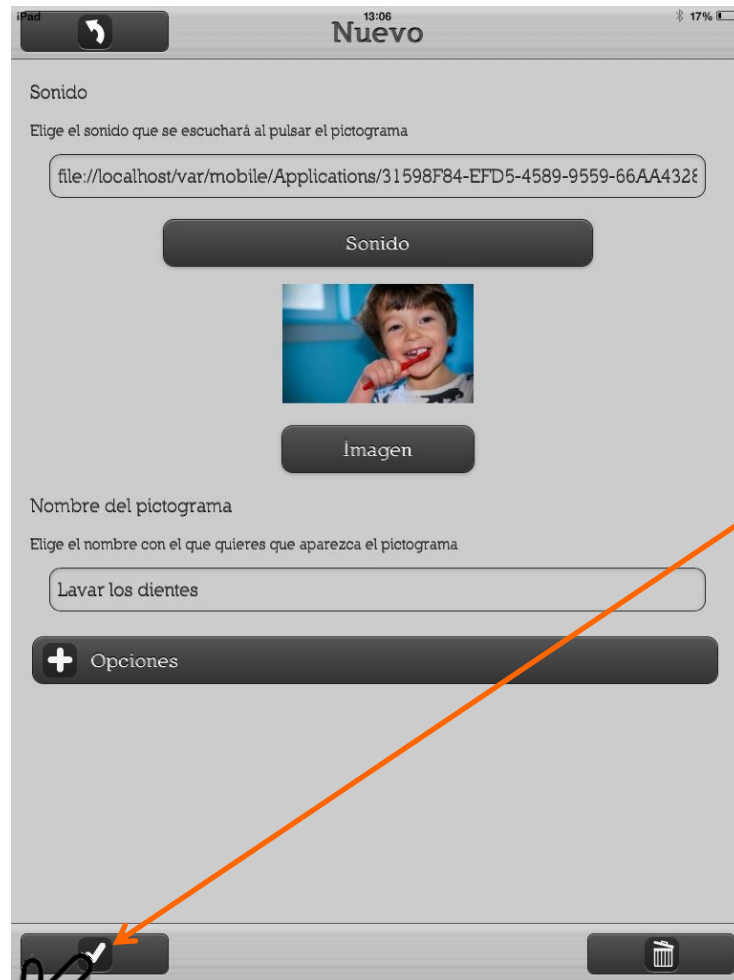
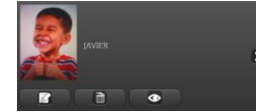
2.- Click the **Image** button to link an image from gallery or take a photo with the camera



3.- Insert the **name of the pictogram** that will be shown on top of or under the image

User configuration screen.

Add content (5/6)



13:06 17%

Nuevo

Sonido

Elige el sonido que se escuchará al pulsar el pictograma

file:///localhost/var/mobile/Applications/31598F84-EFD5-4589-9559-66AA4328

Sonido

Imagen

Nombre del pictograma

Elige el nombre con el que quieres que aparezca el pictograma

Lavar los dientes

+ Opciones

Let's see an example:

- Record the message "Brushing teeth"
- Insert a representative image
- Text: "Brushing teeth"

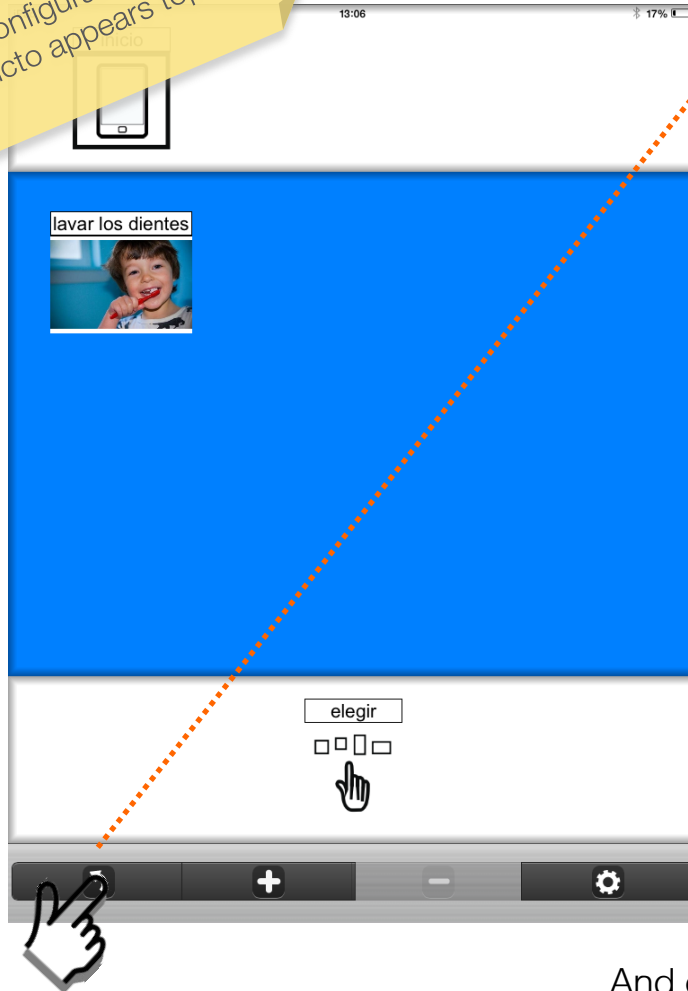
Once done.....

We save the data and return to
"User configuration screen"

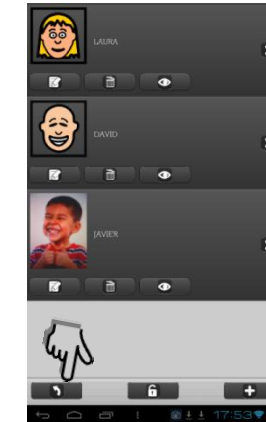
User configuration screen.

Add content (6/6)

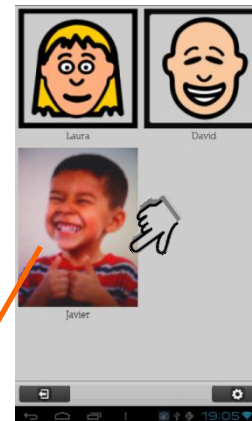
When coming back to the user configuration screen the picto appears top left



Let's see how the user sees their desktop
Press BACK



"Tutor Main Screen"



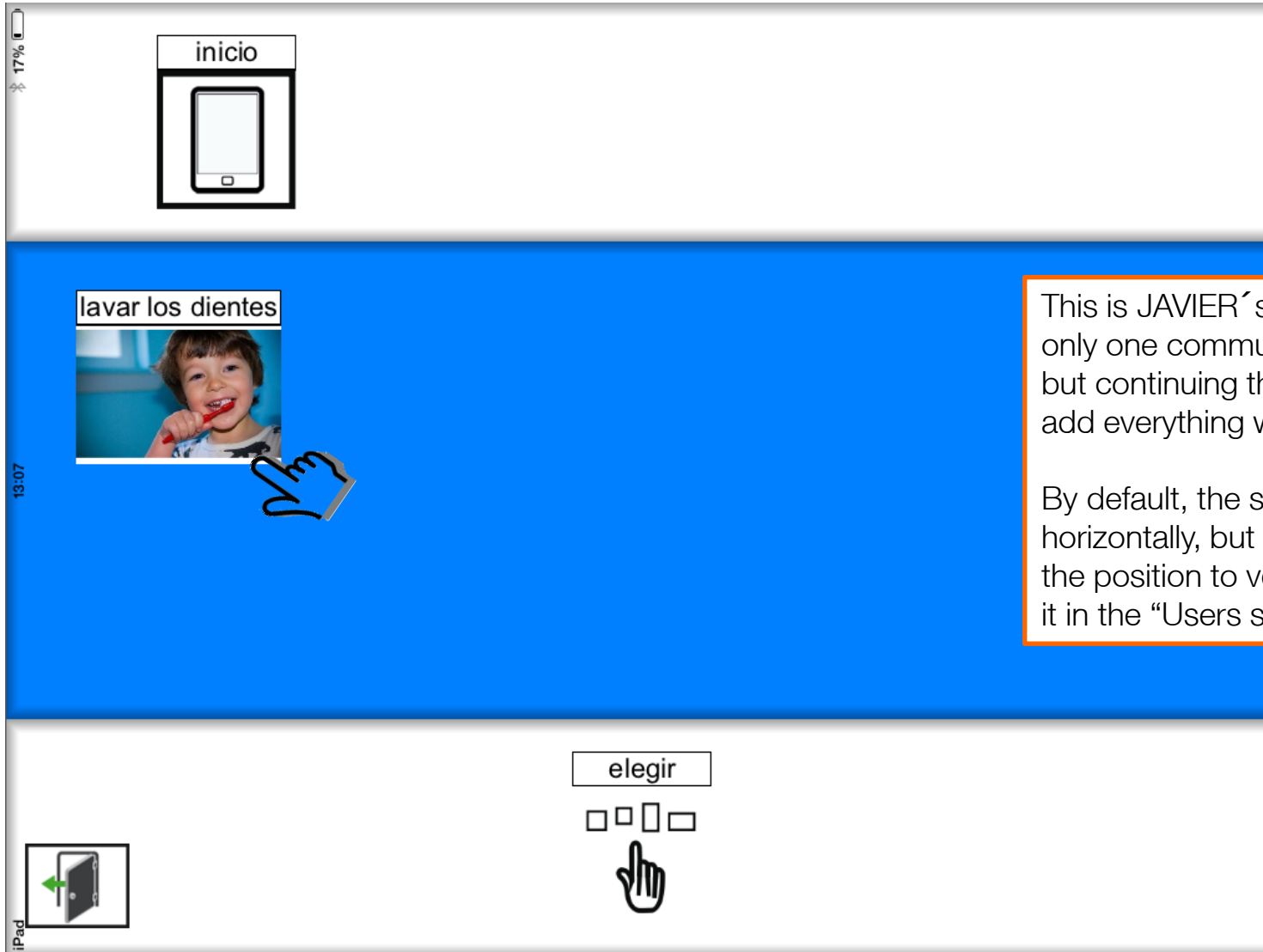
"Main Screen"

USER Section

And clicking in Javier's image we go to

User section.

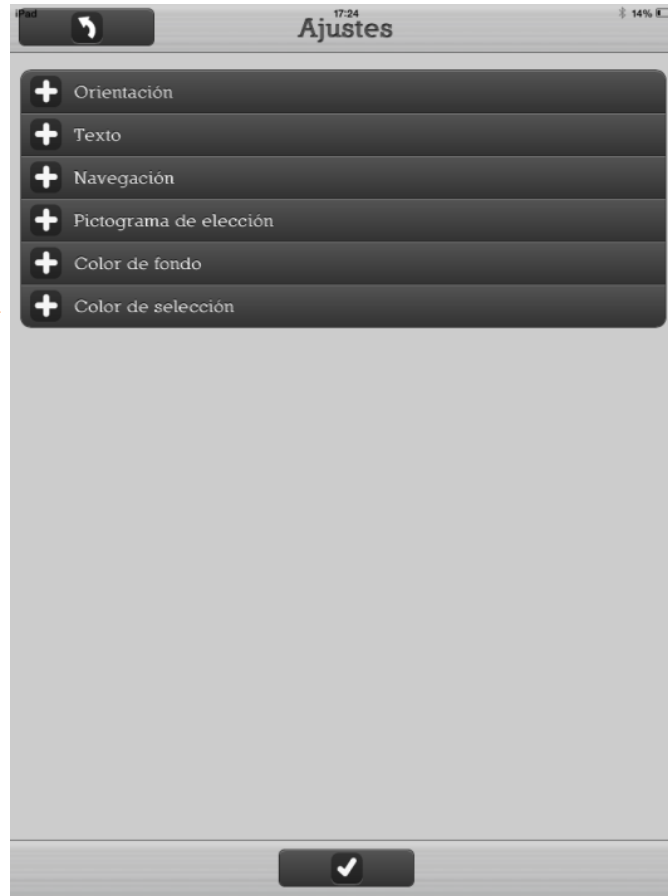
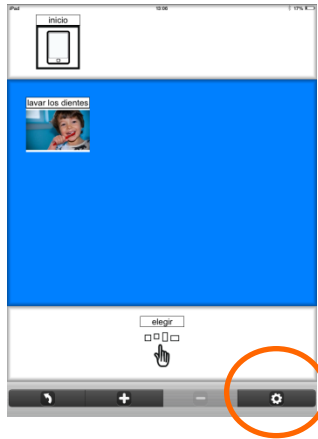
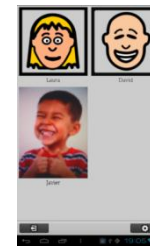
Javier desktop



This is JAVIER´S section. He has only one communication button, but continuing the process we can add everything we want.

By default, the screen is shown horizontally, but you can change the position to vertical by specifying it in the “Users settings screen”.

User Settings screen.



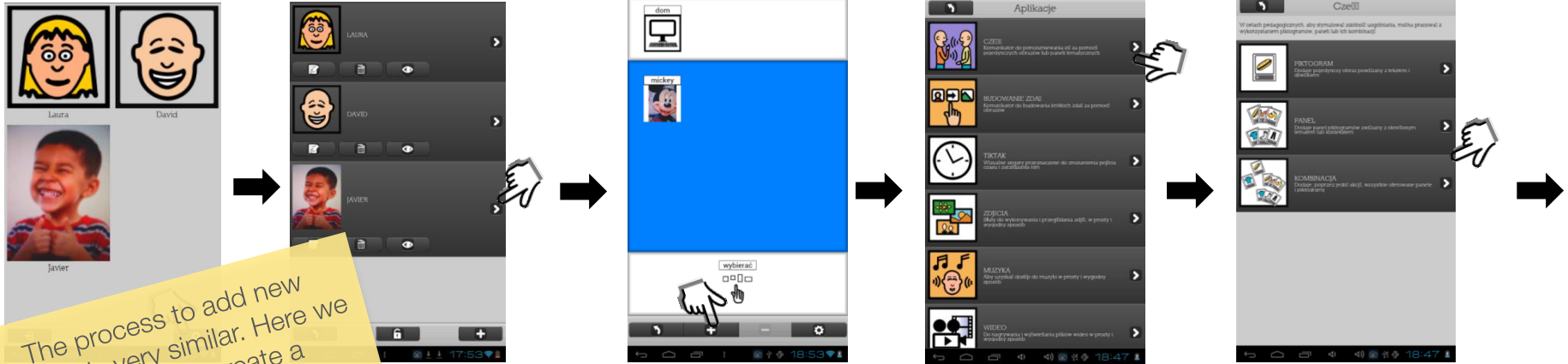
We can personalize several things for each user in the user settings screen:

- **Orientation**: Vertical or horizontal
- **Text**: Show text, position, format
- **Navigation**: Different formats



- **Selection pictogram**: enable or not
- **Background color**: to choose the color of the desktop
- **Selection color**: to choose the color to illuminate the buttons

other examples – communication panel



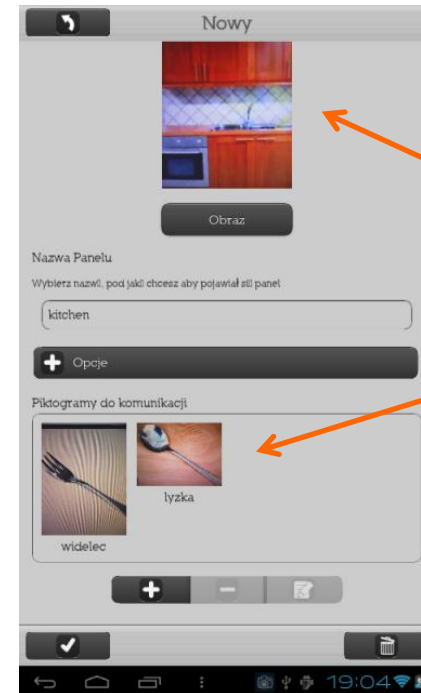
The process to add new content is very similar. Here we show how to create a communication panel

Insert pictograms once created or create a new one clicking +



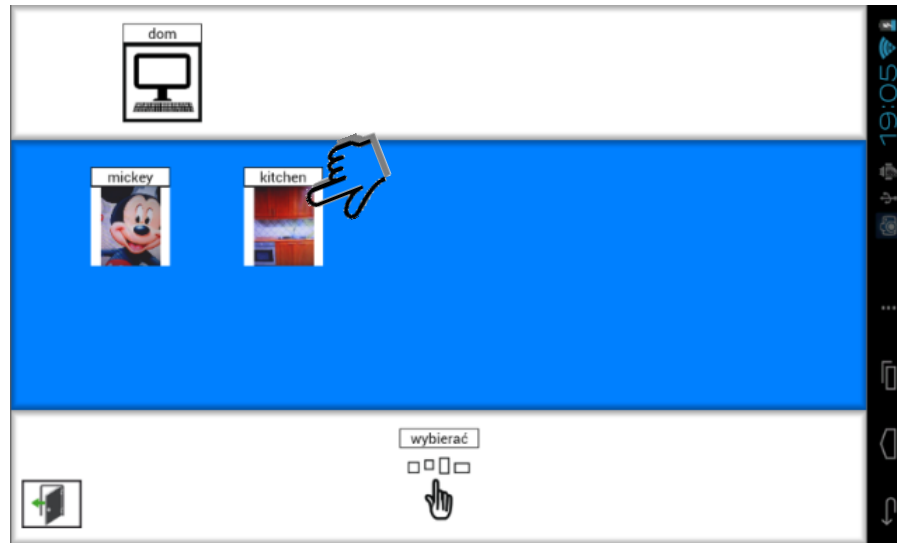
Options offered by the pictograms panel (sound/image/text)

Pictogram panel (add/delete/edit)

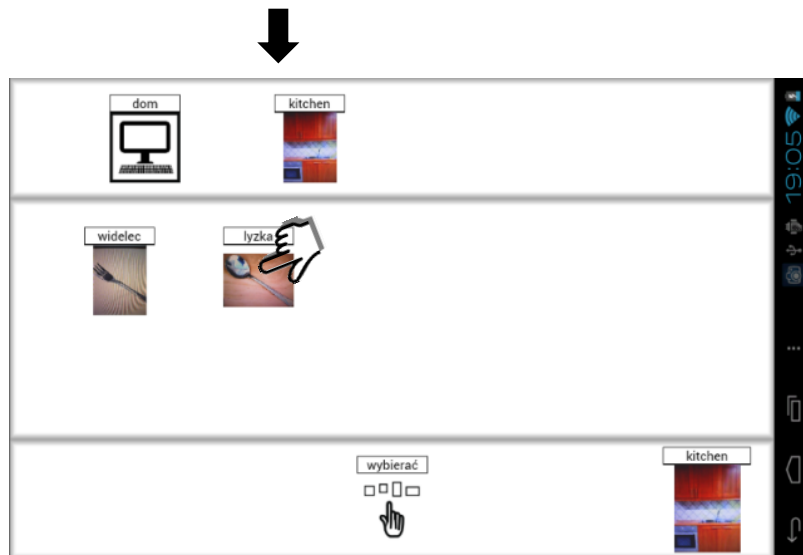


Create the category kitchen with two pictograms: Spoon and Fork

other examples – communication panel



This is what Javier will now see on his desktop

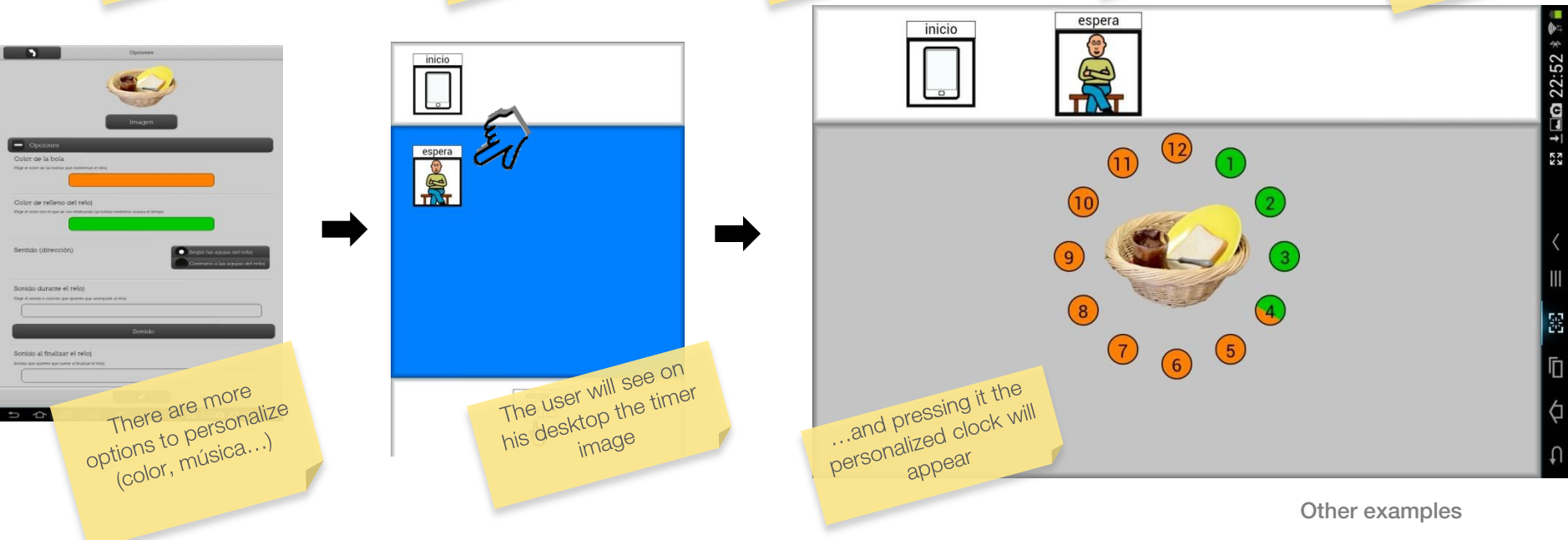
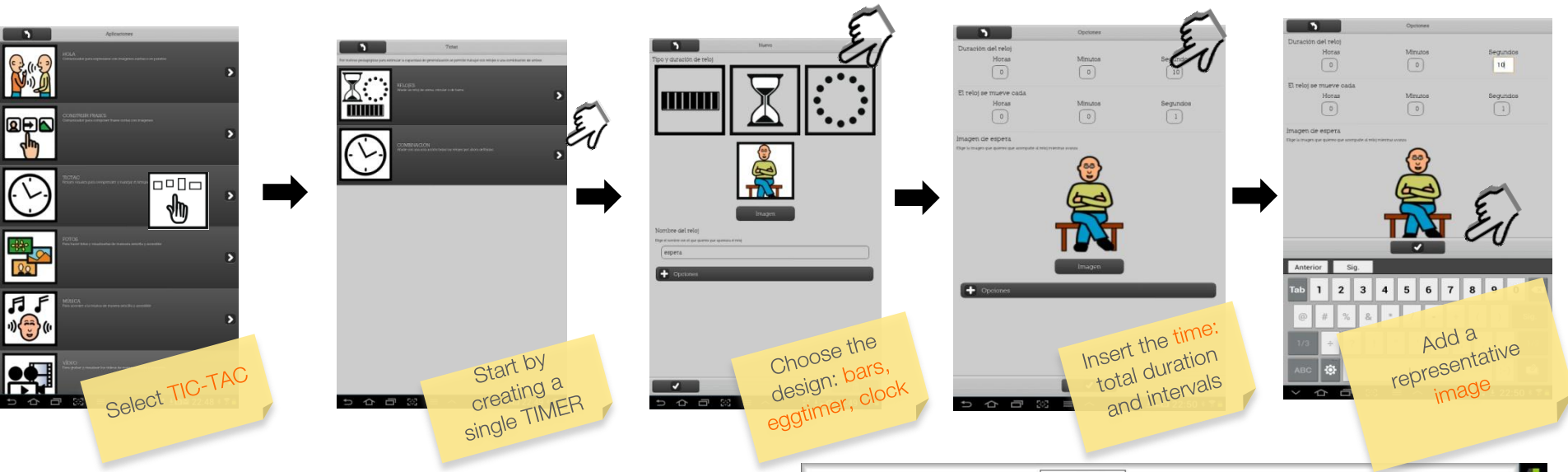


Three steps



Other examples

other examples - TIMER



now it's your
turn, go ahead
and get
started 😊



www.proyectoazahar.org