



D2.2 frAAgiLe apps v2

UNIGE, SLO, IDE, DEU



Tablet app

- ☐ The app connects with the backend using the patients & caregivers roles.
- They use email and password defined for them.
- The launcher app created by UNIGE connects to the backend by SLO/IDE and launches third party apps from IDE and DEU for games or some connections to devices.



Login



E-mail address

Password

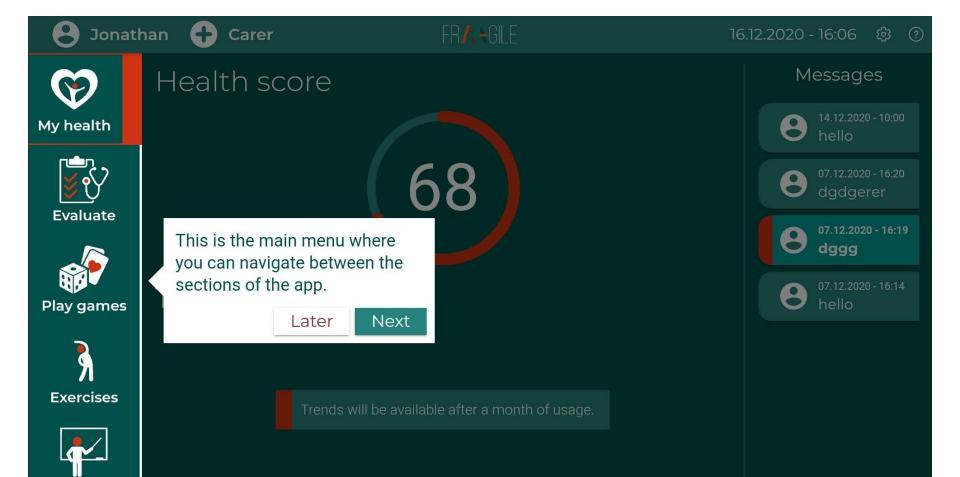
Login

Welcome!

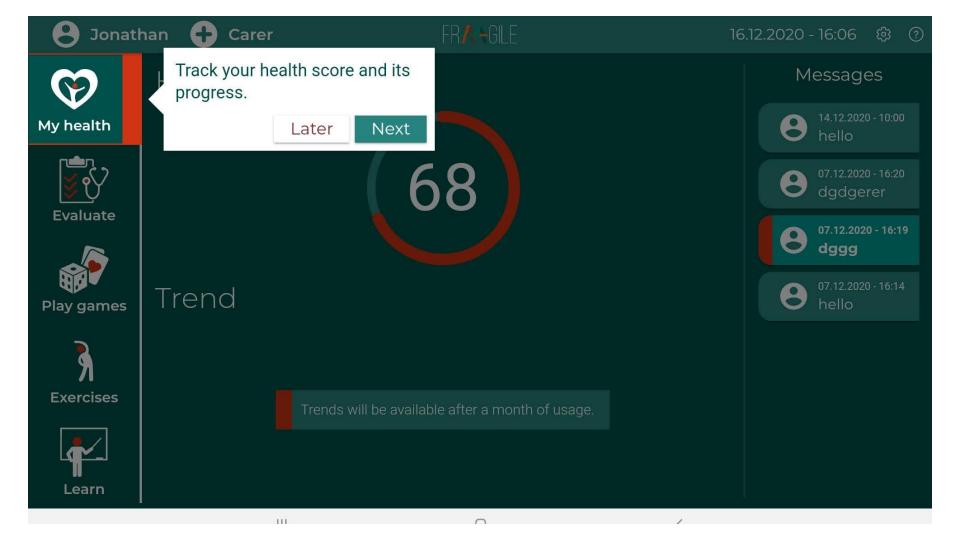


Welcome

Got it!



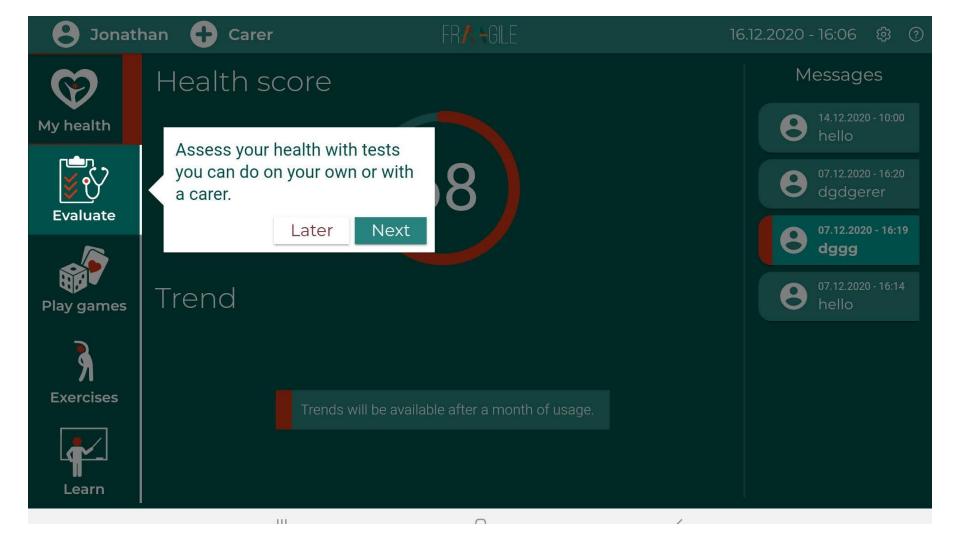
Learn

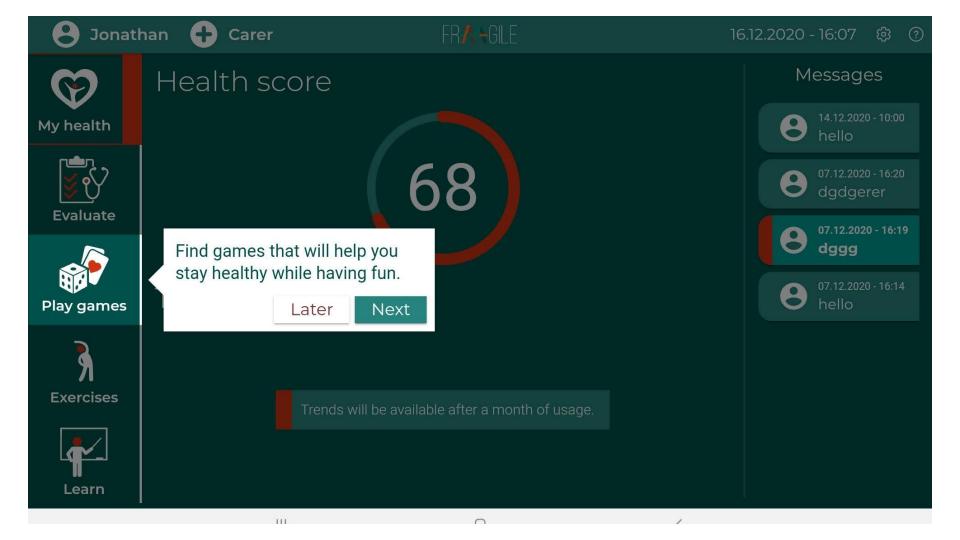


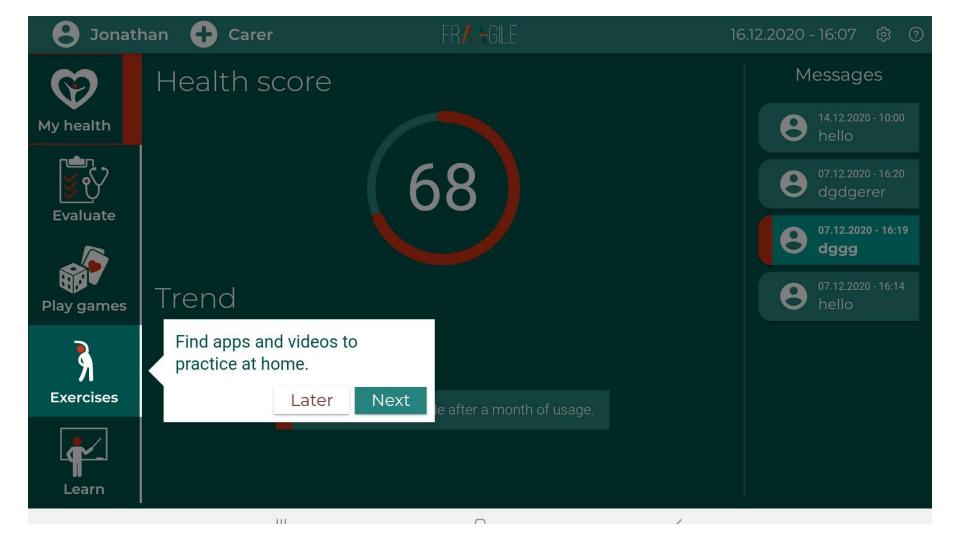
Engagment score

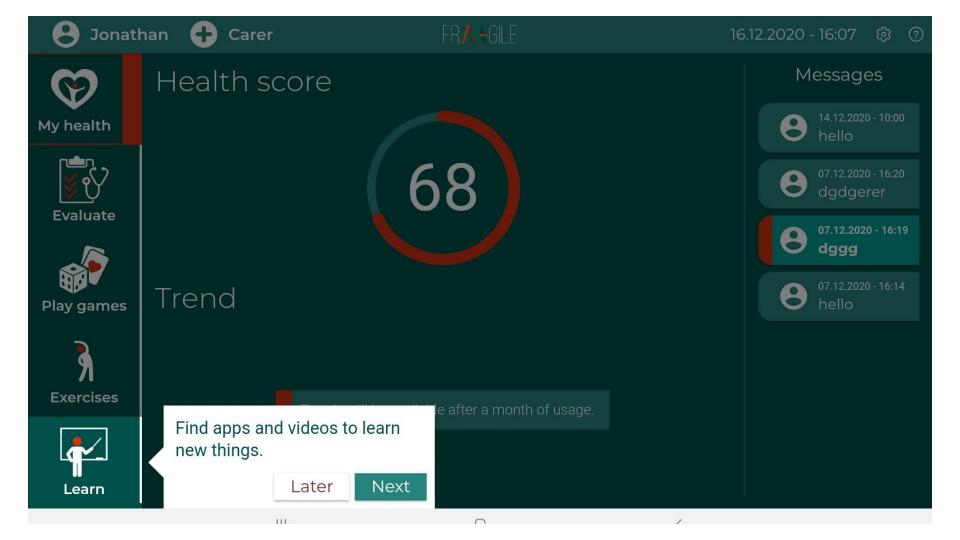
- ☐ The different apps have been developed using Android for a better user experience a for a better integration with the hardware (Bluetooth connections, using of the camera, etc.).
- ☐ For this last version, the apps are already published in Google Play.
- ☐ The app, after login, presents all the information related to that specific patient.











Evaluations

All the evaluations implemented in the backend are filled from the tablet: GDS,
 IQCode, MNA, Linda Freid, AD8, FAQ, SPPB tests

- UNIGE has created an engine to implement all the needed evaluations following the same wizards: descriptions, instructions, questions, end.
- We have created a calendar to suggest what actions should be done every week.



Evaluations' calendar

	1	2	3	4	5	6	7	8	9	10	11	12	13	months
Sunfrail				X						X				
GDS	j v	Х				Х	ÿ .			X		9		
SPPB	X						X						X	8
FRIED's CRITERIA	Х						Х						X	
Initial Assesment	x face to face													
MNA	х								х					
AD8			Х						х					
FAQ			Х								х			
AMT				х							х			
IQCODE	Ť Š			Х								x		



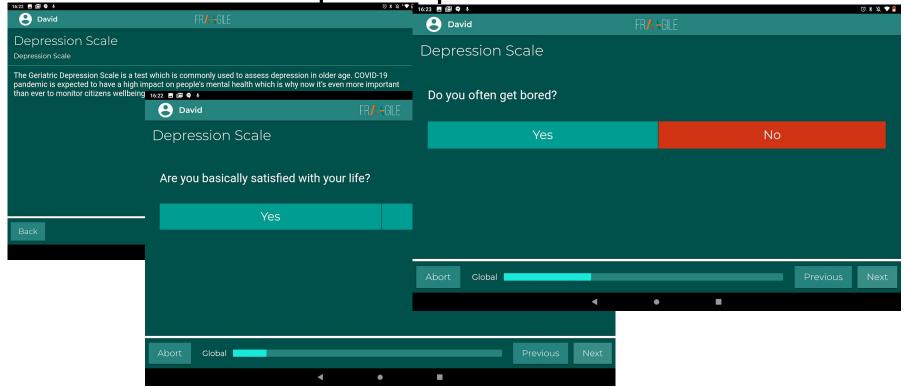
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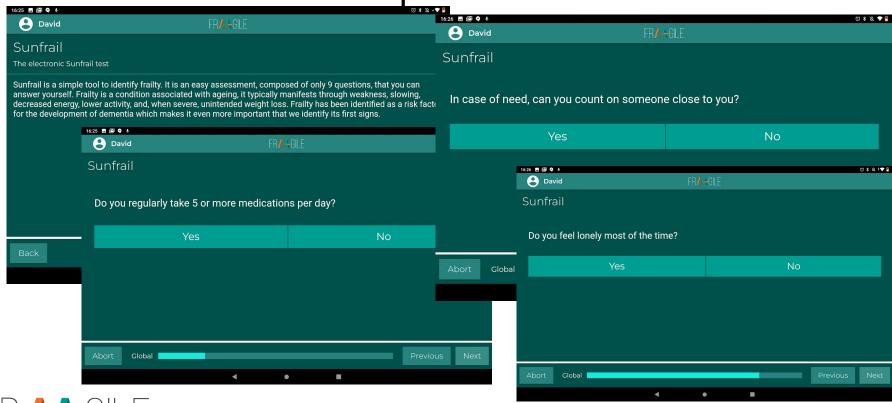


Example. Depression scale

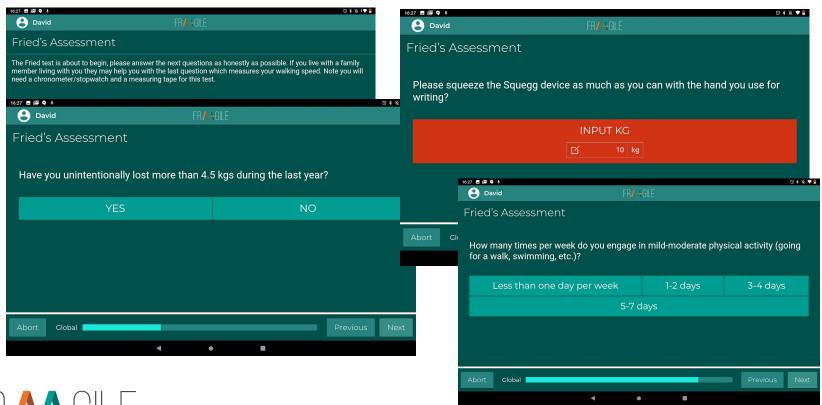




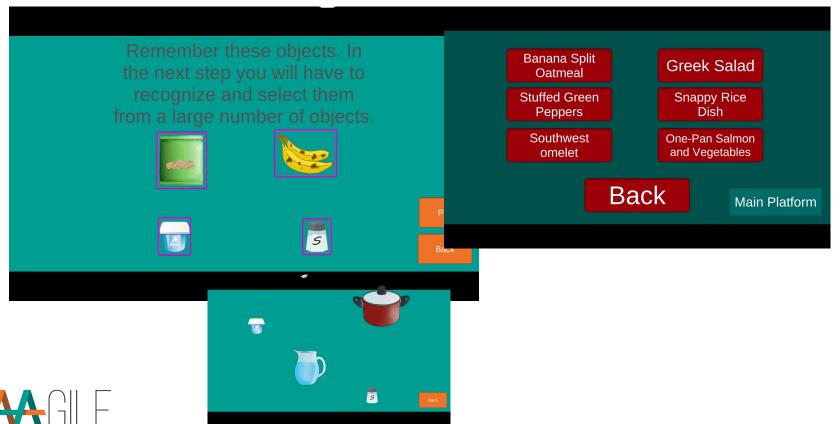
Example. Sunfrail



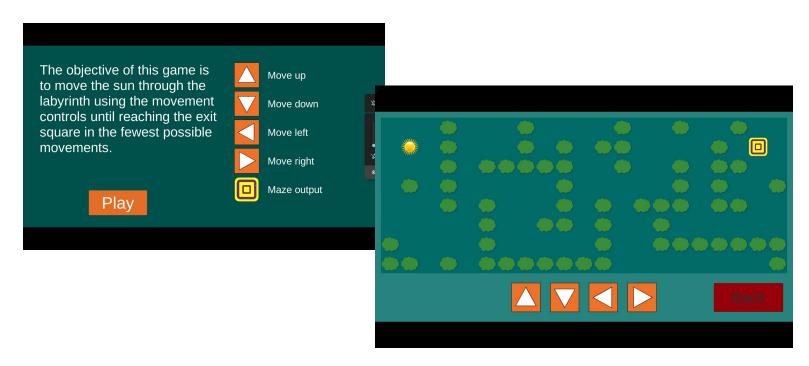
Example. Fried's assessment



Example. Games. Chop it

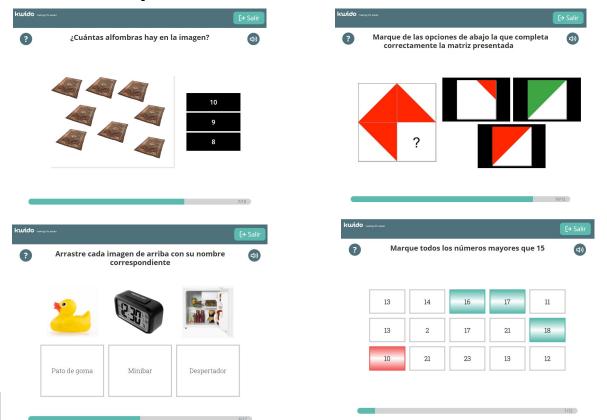


Example. Games. Sailgity

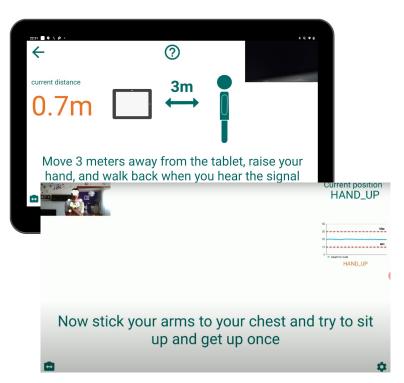


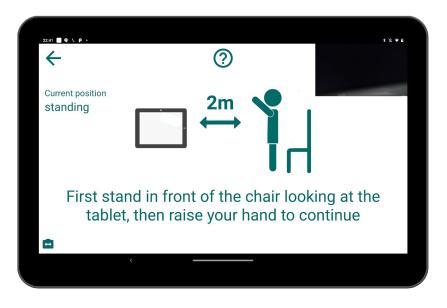


Example. Games. Kwido Mementia



Example. SPPB Test







Suggestions after first tests

- ☐ If the level shown in the tablet is not a health status but an engagement status, the name should be changed.
- We need the squegg to work on both hands separately.
- More instructions are needed to understand how to use the platform when being alone at home.
- □ A battery indicator for the squegg device is needed



Suggestions after first tests

- ☐ The smartbands often get disconnected from the tablet.
- ☐ More videos are needed.
- More tailored training is needed.
- ☐ Games need to be more appealing and challenging.
- ☐ Icons meaning in games



Engagement score

The health score now is more complete and the name has been changed to avoid misunderstanding

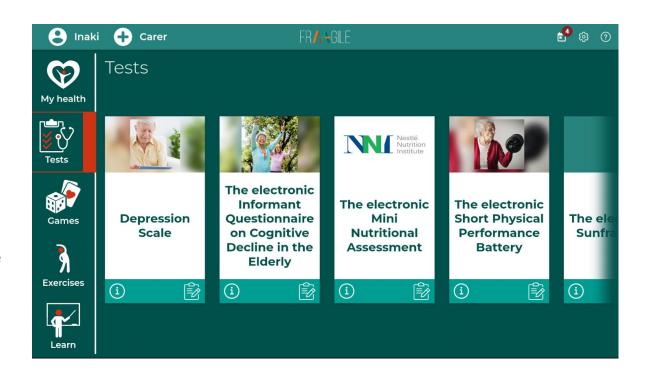




Easier evaluations

More instructions for the tests with better descriptions and icons

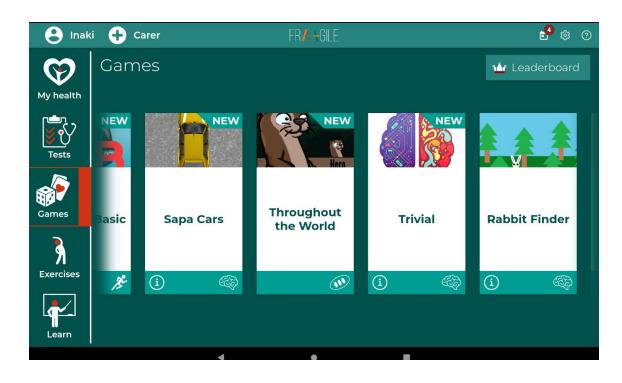
The evaluations are offered to the patient or the caregivers depending on the results of the technical analysis from the initial assessment





More games

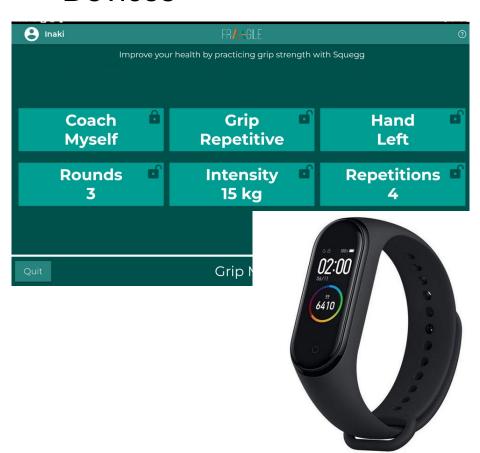
New games have been included
Some games use balance/weight scale from BZN or the squegg device (UNIGE)





Squegg can be used with both hands
Specific game for Squegg has been created by UNIGE
New smartband were integrated in the system to avoid connection problems: leotec and lifevit

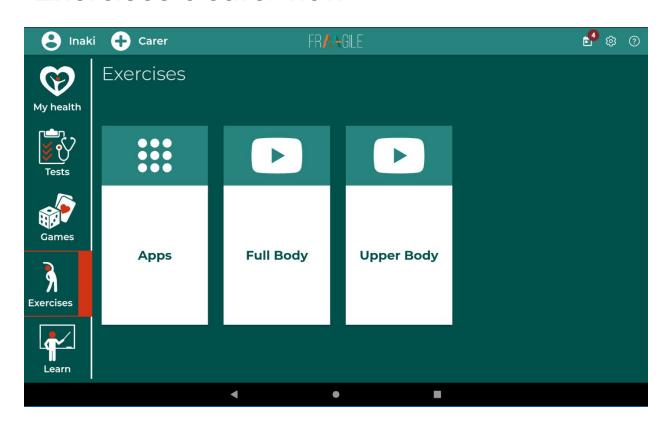
Devices





Exercises clearer now

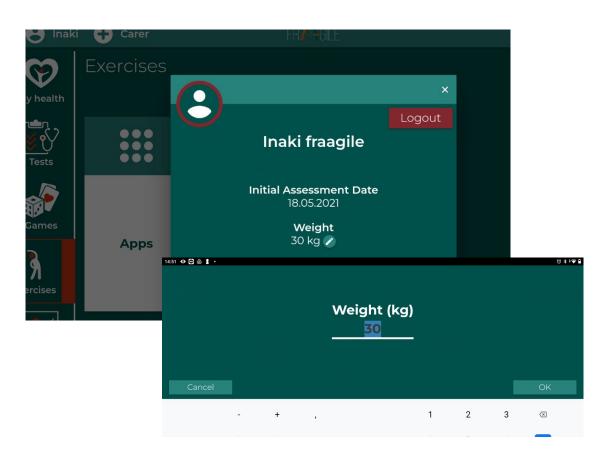
A new classification is included to choose exercises apps or videos





Weight control

Weight can be updated and sends information to calculate the patient's BMI





More tailored training

The calendar now updates automatically based on the system algorithm
The new evaluations and inputs from games and exercises create new events and send messages to the patient and the caregiver

