



ATLEC MOBILE Application



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Objective

- provide an accessible, easy to use mobile platform where people with disabilities can access information on ICT AT (assistive technologies), training material for specific skills according to the user's individual and employability needs
- empower users with disabilities to become ICT AT trainers in their own right

Methodology

User-centered approach to address end users' individual needs.

- **Personas** (based on AEGIS & ACCESSIBLE projects' personas) for all major target groups of the app.
- **Scenarios:** Narratives describing interactions of user roles and the technical system in order to achieve a fictional goal.
- **Use cases**, providing a very detailed look at how each user interacts with the application including the steps a user will take to accomplish a task.
- **Mockups** which were presented to project partners and end users to collect feedback before implementing.

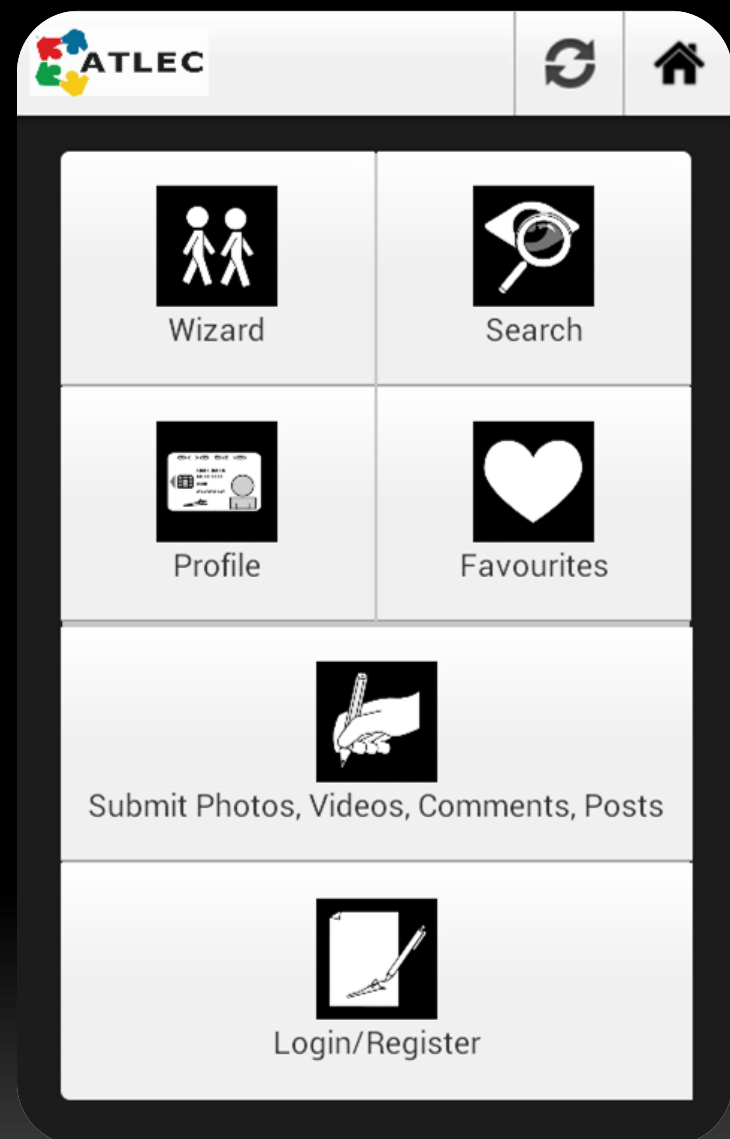
OS & Accessibility

- Compatible with android mobile devices (Android 4.x) and older versions.
- Multilingual support (English, Italian, Dutch, Greek)
- Android accessibility features:
 - TalkBack - pre-installed screen reader. Provides spoken feedback
 - Voice input engine
 - Explore-by-touch mode that lets users navigate without having to see the screen
 - Users can increase the default font size used across the system.
- Compatible with TECLA. (Tools that provide access to mobile devices for those who are unable to manipulate them due to disease or disability).



Functionality

- ATLEC offers four different ways of accessing a single item of information:
 - Wizard (Guided search)
 - Free search
 - Profile based search
 - List of Favorites
- Registered users are able to upload their own content (text, video, photo, comment).



Guided search - Wizard

The wizard focuses on the environment where the user currently is or the place where he/she would like to use the recommended AT.

After answering the following questions, users are presented with relevant posts:

- What device do you need help using?
- What do you have trouble doing with this device?
- What will you use the device for (audio, video, etc.)?
- What is the main difficulty that you face with this device/function?
- Do you face another difficulty?
- I am able to: (see well, hear well, etc.)

Situational Settings

What device do you need help using?

- ☐ TV
- ☐ Remote control device
- ☐ Tablet
- ☐ Smartphone / Mobile Phone
- ☐ PC / Laptop
- ☐ Phone
- ☐ Environmental Functions

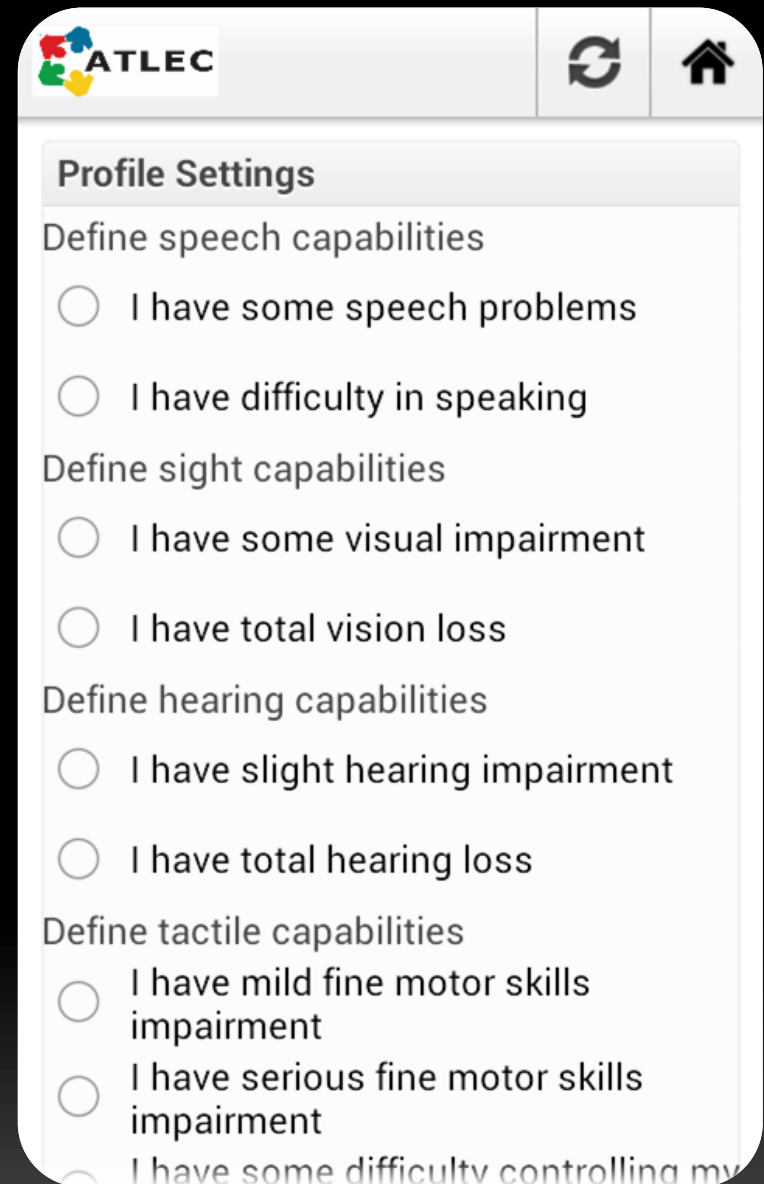
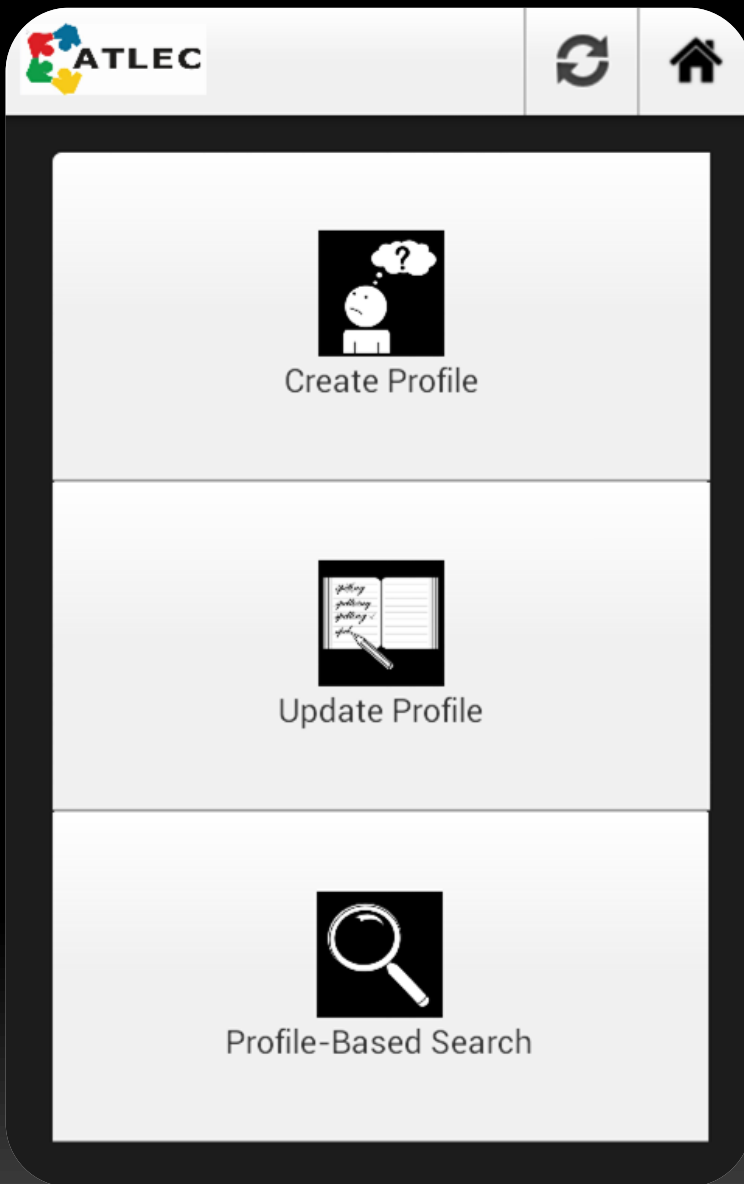
What do you have trouble doing with this device?

- ☐ Audio
- ☐ Video

Personalisation - Profile

A personalization feature which, after gathering parameters concerning the type of disability, presents the user with recommended posts.

- In order to perform a profile based search, the user will have to define the following:
 - Hearing
 - Seeing
 - Speaking
 - Tactile
 - Learning capabilities



Additional Search Constraints

What device do you need help using?

- ☐ TV
- ☐ Remote control device
- ☐ Tablet
- ☐ Smartphone / Mobile Phone
- ☐ PC / Laptop
- ☐ Phone
- ☐ Environmental Functions

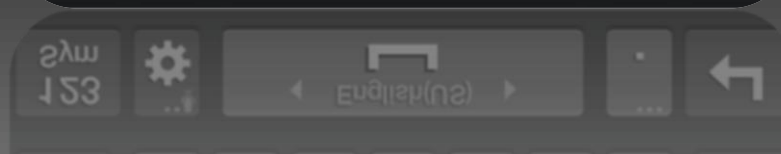
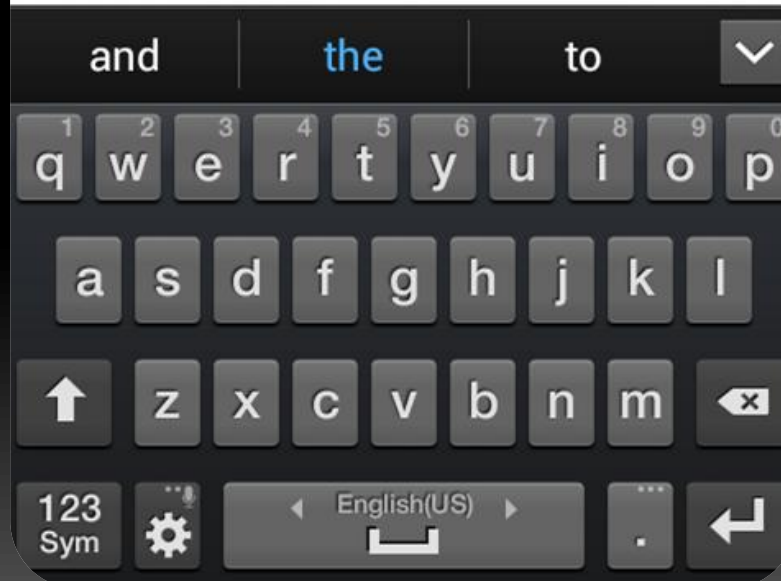
What do you have trouble doing with this device?

- ☐ Audio
- ☐ Video



In order for the Atlec app to search its database for suitable Assistive Technologies for you, please enter keywords that relate to the solution you wish to use.

Search





Cordless/Remote Switches

16:35 25 Σεπ 2013

Published

Joy Stick

16:28 25 Σεπ 2013

Published

Button Switches

16:23 25 Σεπ 2013

Published

Finger Switch

16:14 25 Σεπ 2013

Published

EyeMax eye-tracking Device

15:58 25 Σεπ 2013

Published

SuperTalker Communication Aid

15:42 25 Σεπ 2013

Published

Mobile Eye Tracking Glasses

15:37 25 Σεπ 2013

Published

Big Mack Switches

15:12 25 Σεπ 2013

Published

SuperTalker Communication...



The SuperTalker is a communication aid which has the facility to record speech. It can record messages for up to 16 minutes. The device has a selection of message grids and



EyeMax eye-tracking Device



The EyeMax is a device that uses projection patterns and optical sensors to gather data about gaze direction or eye movements with very high accuracy.

It is primarily aimed at individuals that will be most successful making selections using their eyes and for those that are unable to



making selections using their eyes and for those that are unable to use touch or switch scanning in an efficient or accurate manner.

Below is a link to watch how similar eye tracking devices are used to benefit the learning of students within the classroom environment.

[Press to view video](#)

<http://www.eastin.eu/en-GB/searches/products/list/iso-222109>



and for those that are unable to making selections using their eyes

Share Post



Add to
Dropbox



Atlec



Bluetooth



Email



Facebook



Gmail



Google+



LinkedIn



EyeMax eye-tracking Device

Reply to Comment

Εισάγετε απάντηση:

Cancel

Send Reply

It is primarily aimed at individuals that will be most successful making selections using their eyes and for those that are unable to



Reply to Comment

Enter a reply:

Ok

Cancel

Send Reply

Oklahoma

Okay

Oh



q w e r t y u i o p

a s d f g h i k l

d m n b



Account Details

Please, login to be able to submit content to Atlec Database.

If you don't have an account please register below.

Post Content

Finger Switch

The finger switch is a very small device measuring approximately 35mm in diameter. It has three bases and a Velcro strap for

Tags & Categories

Select Categories

Selected categories: Touch interaction, I don't have full arm control

Publish

TV

☐

Remote control device

☐

Tablet

☐

Smartphone / Mobile phone

☐

PC / Laptop

☒

Phone

☐

Environmental functions

☐

Done



Thank you!