Transcript

Video: A person with low vision

Series: Support products and Information and Communication Technologies

Universidad Nacional de Educación a Distancia (UNED).

Narrator
Carlos Javier Cortina. Psychology student at UNED

Carlos
My name is Carlos, I study Psychology at UNED and I have a visual impairment. It affects the central vision, which is the vision that is used for reading and recognizing faces. I lost the ability to read and what I do to access the computer is to use a voice synthesis program and screen magnification that delivers the information in audio and you can play with the size, enlarging or reducing screens.

Description
The computer screen has a black background and light colored text, icons and text on the screen are larger than the usual size. The text marked on the screen and the voice are synchronized.

Synthesizer
Introduction. Techniques and intervention procedures may be ineffective if the therapist ...

Carlos
I got my program through the ONCE (Spanish National Organisation for the Blind), which provides it for students because it has a high cost, but it is a program that is on the market and is used many people who have vision problems.
When reading books the format used by a person who has a visual impairment is DAISY books. These books are recorded by a human voice, in my case ONCE also does the work, and consist of a series of files that allow you to navigate through levels to be able to locate the information faster. It can be done either through a standard DAISY player or through the computer, you can insert the disc into your computer and there are a number of players which can read it to you.

Description
Carlos uses a keyboard shortcut to start DAISY. He browses through the table of contents of the book.

Daisy reader
Two. Current Status of behavior therapy. This chapter is intended to address ...

Carlos
Text manuals are reproduced with the DAISY format I have told you about, but the notes used by the other students, in order to be able to read them, what I do is downloading them as everyone else from the UNED forums, and generating audio files that are accessible to me with a program, which can be read on an MP3 player. And I can also use them when I'm on the

tube or anywhere, you can take your MP3 player and use it for studying, listening.

Mp3 player
Item 4 Therapeutic Skills ...

Description
Carlos waiting for the bus with his headphones on.

Mp3 player
Techniques and intervention procedures ...

Carlos
Both DAISY books as MP3 files I have told you can put inside a mobile phone, which is further adapted, because the interaction with the mobile is done through audio and me can take anywhere and play anywhere, both books and MP3 files.

Description
Carlos using the library on his phone with the keyboard.

Daisy reader
Three. Spearman linear model. Page 201, 4 parallel test, the conditions of parallelism, page 202.

Carlos
Another way to access information would be through access to printed media, the information that gets to you on paper. There would be two ways, OCR by scanning the document

Synthesizer
SR: 064, 020 c ...

Carlos
and turning it into digital media or using telelupe optics. What you do is: you place the paper and it brings out an image that you can play with. As for mobility, I use a GPS, in this GPS the interaction is performed through voice, you have here a few buttons and it gives you audio information. It also incorporates a radio and an an MP3 player which can also carry the information from the notes I told you about.

Description
The browser is the size of a small mobile phone, he controls it with buttons and voice, he uses headphones to listen to the sound.

GPS voice
Latest trips. Contacts. useful addresses. Visits. Public transportation. Travel. planned route. Map reading.

Carlos
Latest trips.

GPS voice
Choose from recent trips. Madrid 100 Minerva Street. Do you want to navigate to Madrid 51 Calle de Santa Isabel?

Carlos
Yes.

GPS voice

Enter the roundabout, take the first right. Enter the roundabout, take the first right.