

Usability, User eXperience, and Accessibility Checklist for Deaf Assistive Technology (UUXAC-DAT)

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Agradecemos o preenchimento de [Usability, User eXperience, and Accessibility Checklist for Deaf Assistive Technology \(UUXAC-DAT\)](#).

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# Usability, User eXperience, and Accessibility Checklist for Deaf Assistive Technology (UUXAC-DAT)

UUXAC-DAT: is an assessment technology composed of verification items, divided into three groups (aspects related to perception, understanding, and operation). Its objective is to support Information Technology (IT) professionals during the assessment of Assistive Technologies (ATs) for the Deaf from the perspectives of Usability, UX, and Accessibility.

Assistive Technology (AT) aims to provide autonomy by expanding functional skills to promote independence, quality of life, and accessibility for its users.

Instructions:

- Check the option “yes” if the AT is complying with the verification item.
- Check the option “does not / partially apply” and leave a note regarding the aspect not met in the technology in the field “Observation”, at the end of the questions in the category, if the AT does not meet the verification item or meets partially.
- Check the option "not applicable", if the AT does not have the functionality to be evaluated and when there are no situations that allow its evaluation.

E-mail \*

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Your name: \*

Nicolas Costa

App Name: \*

Hand Talk

Group related to the perception of components of the graphic interface and other elements present on the screens, both in the execution of actions and in the response of the application

	Yes	Does not / partially apply	Not applicabl e
Are the texts available in the AT resource readable?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Does the AT resource have a legible caption?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Are notifications and feedback sent in vibrating and visual mode?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Are the images and videos of suitable sizes and qualities so that the Deaf can capture details about the hands, eyes, and mouth movements?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Does the AT feature contrasting colors between font and background?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Is the AT feature visually light and simple?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Are the layout, fonts and color palette standardized?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Does the AT feature have visual and textual consistency across all interaction screens?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Are the captions displayed in the AT resource at the bottom of the screen?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

- Does the application block interruptions when representing sign language?

☒☐☐
- Does the AT feature show the progress of ongoing processes (such as downloading)?

☐☒☐

Comments:

No tutorial iniciar por exemplo ele poderia indicar para mim em que parte do tutoria estou e por quais partes eu já passei, assim evitando algumas possiveis confusões do usuário!

Group related to everything that refers to AT in general, regarding the identification of the objective, the available actions, the way of handling, the retention, and mainly, the purely cognitive questions of understanding, which involve languages and languages

	Yes	Does not / partially apply	Not applicabl e
If an input error is automatically detected, is the item with the error identified and detailed for the Deaf?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Are the labels and instructions in the data entry fields offered in Sign Language?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Does the AT resource consider the diversity of meanings (different meanings of the same term) of words in the Portuguese language?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Does the AT feature have simple, short texts?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Does the AT feature prevent the use of foreign words, jargon and technical terms?	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Does the AT resource consider regionalisms (such as aipim and mandioca)?	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Does the AT feature allow the Deaf to control the speed of sign language interpretation?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Does the AT feature have a label and text instructions associated with the data entry fields?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

Do the meanings of the captions correspond to the messages transmitted orally?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Does the AT feature provide information about ambient noise and sounds in the caption? (as captions describing sounds of nature and traffic)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Does the AT feature allow you to select another oral and sign language? (function to change language)	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Does the AT resource feature text and sign language interpretation for any non-text content (audio and video)?	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Is the AT feature compatible with the most available technologies? (allows integration with other applications)	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
If the AT resource includes an avatar to interpret sign language, are your movements continuous similar to humans?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Does the AT resource feature a first-step tutorial for the Deaf to become familiar with AT?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Is the term for the use of the AT resource presented in written Portuguese and sign language?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Does the AT feature display animations smoothly, allowing you to track them?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
If the AT feature includes an avatar to interpret Libras, is the avatar 3D?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
If the AT feature includes an avatar to interpret in Sign Language, does it allow you to see the Avatar in the full body?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
If the AT feature includes an avatar to interpret Sign Language, does the Avatar have a humanoid look?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
If the AT feature includes an avatar to interpret Sign Language, does it allow the user to customize the avatar?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
When returning to the application after a period without using it, will the Deaf be able to use it without major difficulty?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Are the instructions for use available in text, visual diagrams and sign language?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

## Comments:

Foi notório alguns problemas com o uso de uma linguagem com jargões ou regional, onde o aplicativo apenas soletrava a palavra inteira, ao invés de fazer um reconhecimento dela e por exemplo mostrar um sinônimo ou saber sobre a palavra em si. Ele tenta reconhecer qualquer tipo de som como palavra, portanto mesmo que você diga algo que não existe ou esteja com muito ruído e barulho em volta, o aplicativo apenas tenta unir tudo a uma palavra que exista, sem indicar a falta de legibilidade, o que é um problema Além do recurso de imagem e vídeo não funcionar adequadamente em vários casos

## Group related to the point of view of what can be used effectively and efficiently

	Yes	Does not / partially apply	Not applicabl e
In applications that count time (applications in which time is timed or has a time limit), can the Deaf interact in Sign Language?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Can interruptions (with alerts, page updates) be postponed or suppressed by the Deaf?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
If an authentication session expires, will the user authenticate again and continue the activity without losing any data on the current page?	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Does the AT feature consider how the Deaf manages the mobile device, considering that he may need to perform a signal during the interaction with the TA?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Does the AT resource have direct and short processes for carrying out the actions?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Does the AT feature have a stream of content in simple structures?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
In the AT resource, is the closing of ads presented clearly and simply?	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Does the AT feature prevent unexpected actions (application close for no apparent reason)?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Does the AT resource have questions highlighting the need for confirmation before taking some risky actions (buttons: delete, pay, send)?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
If the user failed to fill in any fields, does AT avoid no filling	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

the entire form?

Is the AT response time satisfactory?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Does the AT resource provide the necessary assistance for the Deaf to be able to carry out the actions?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
In your opinion, will the AT resource facilitate any daily activity for the deaf?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
In your opinion, does AT encourage independence for the Deaf?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Does the system allow the Deaf to personalize AT?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Does the AT resource have accessible technical assistance (maintenance) contacts?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Will the Deaf be able to record their assessment of the application?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Does the AT feature perform the same when it is not connected to the internet?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

Comments:

Ele não salvou a memória prévia de sessões extremamente recentes As propagandas são difíceis de fecharem, podendo ser abertas por engano diversas vezes, algumas até você confunde com a página do aplicativo

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