How to develop an online digital tool in 'Universal Design'. The case study of the OLBoT Portal

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An individual with impairment(s) can develop a disability interacting with the environment because of the barriers created by bad designed products and services. Removing those barriers through a quality design can allow the natural development of a priori inclusive social spaces. 'Universal design' (UD) "means the design of products, [...] programmes and services [...] usable by all people, to the greatest extent possible" (UNCRPD, Art. 2)." [The] Web removes barriers to communication and interaction that many people face in the physical world" (W3C, 2020).

Information and Communication Technologies (ICT) offer incredible opportunities to merge the UN CRPD requirements, integrating equity and equality by distributing services for all.

The OLBoT Portal (https://olbot.uni-oldenburg.de/) is developed to verify the hypothesis of possible online design for all people, with or without impairment(s).

References

United Nations (2006). Convention on the Rights of Persons with Disabilities.
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World Wide Web Consortium – W3C (2020). Accessibility.
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