

Canadian Museum of Human Rights

Winnipeg, 2014

Background

- The Canadian Museum for Human Rights is envisioned to be a national and international destination, a centre of learning where Canadians and people from around the world can reflect on and be inspired by human rights. (<http://museumforhumanrights.ca/about-museum>)
- One of the primary features of the museum exhibits are interactive kiosks at which users can explore various topics related to human rights.



Aim of the Project

- The Inclusive Design Research Centre was asked to design a “universal keypad” that will be installed on the touch-screen kiosks in the museum
- This keypad will provide an alternative to using the touch-screen interface, thus making the kiosks accessible to more users.

Considerations

- Design a keypad that provides clear tactile (and audio) feedback regarding the function of each key.
- Design a keypad that is easy to use (concave keys, large keys, high contrast, understandable layout, comfortable positioning of keys, etc.)
- Design the keypad to provide screen-reader-like navigation and functionality (e.g. follow semantic structure of the interface)
- Design the keypad for robustness, ease of manufacture, cost

Status of the Project

- We are currently in the process of user testing with the keypad prototype and will finalise the design by the end of May



Alternatives

- Universal keypad is just the tip of the accessibility iceberg
- Future considerations for one-size-fits-one solutions include the use of existing personal devices to control the interface
- Other alternative solutions have also been considered (next slide)

Alternatives

