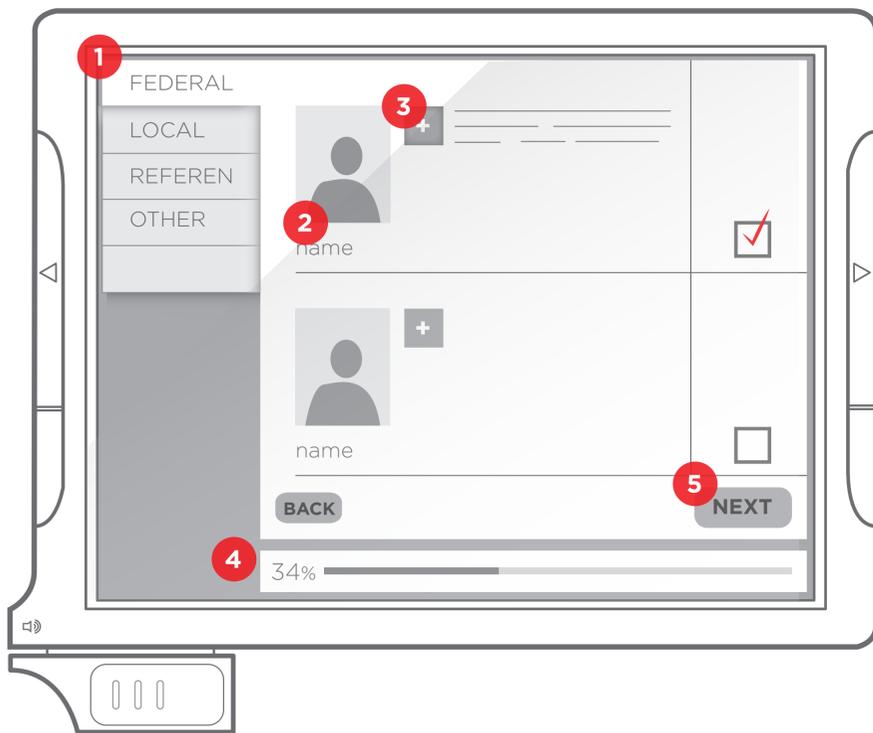


Design Goals

Ballot Design

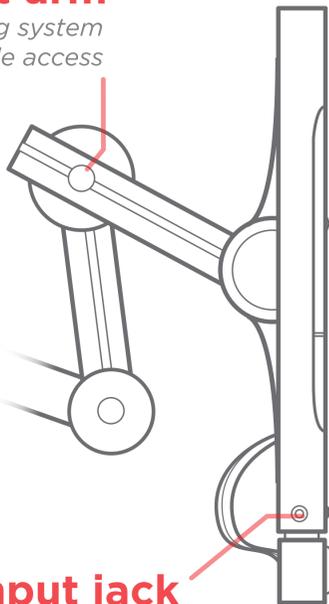


Concept Analysis

- 1 Federal, local, referendums, etc, are divided into manageable, controllable sections
- 2 Candidate photos are displayed, to ensure correct recognition
- 3 Additional information blurbs can be displayed within the screen, thus flow can't be interrupted or confused
- 4 Completion bar is displayed so that voters understand WHERE they are in the vote casting process
- 5 Linear operation is ensured through simplistic, limited options/buttons, reducing chance for error and prompting completion of the form

easy adjust arm

low-resistance, articulating system can enable voters equitable access

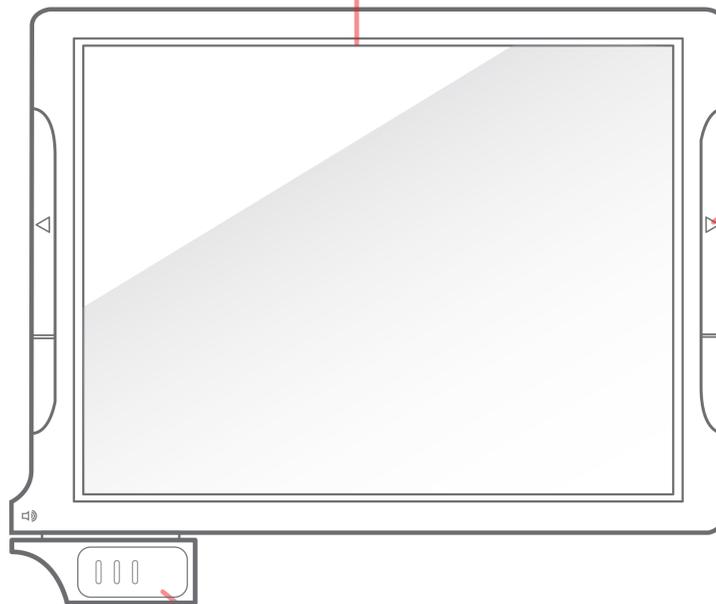


audio input jack

Headphone jack can be paired with both provided and personal assistive technology

touch screen display

Enables soft-touch, adjustable user interface display



textured navigation buttons

Allow for simple navigation for the visually-impaired

detachable info button

Enables those with and without visual impairment and dexterity disabilities secondary information and auxiliary access

Universal Design Principles

EQUITABLE USE

Voters can change and customize the interface as they want to in the intro screen, has an audio guide to aide visually-impaired voters. Information button is provided to ensure all voters have access to candidate, security, and voting process information.

FLEXIBILITY IN USE

Information buttons are located close to users for access regardless of physical state, the audio guide is adjustable in speed, and large-sized buttons are included. Side buttons on machine provide easy to use, non-precision requiring use.

SIMPLE, INTUITIVE USE

Touch screen is straightforward to use even with people not familiar with computers, as it doesnt require any gestures/swipes to operate. Language options are provided, and feedback about errors voters make and completion percentage.

PERCEPTIBLE INFO

Provides an audio and tactile feedback guide into the process, as well as options for provided, or personal assistive technology.

TOLERANCE FOR ERROR

Reviews at each section to show possible errors along the process, pages at the end are displayed for under-votes, giving voters a chance to revise. This enables a one directional flow. It is easy to navigate back to the main page at any time.

LOW PHYSICAL EFFORT

Physical information button enables those with impaired motor control and those who experience fatigue from current machines benefit from the move-able screen, moving it closer to voters.

SIZE & SPACE

Adjustable display allows for wheel-chair access, touch screen and large buttons allow for easier access, and adjustable font size, and contrast meet different needs.

