Landscape orientation was chosen to allow for larger font sizes since the application is not demanding on vertical space.

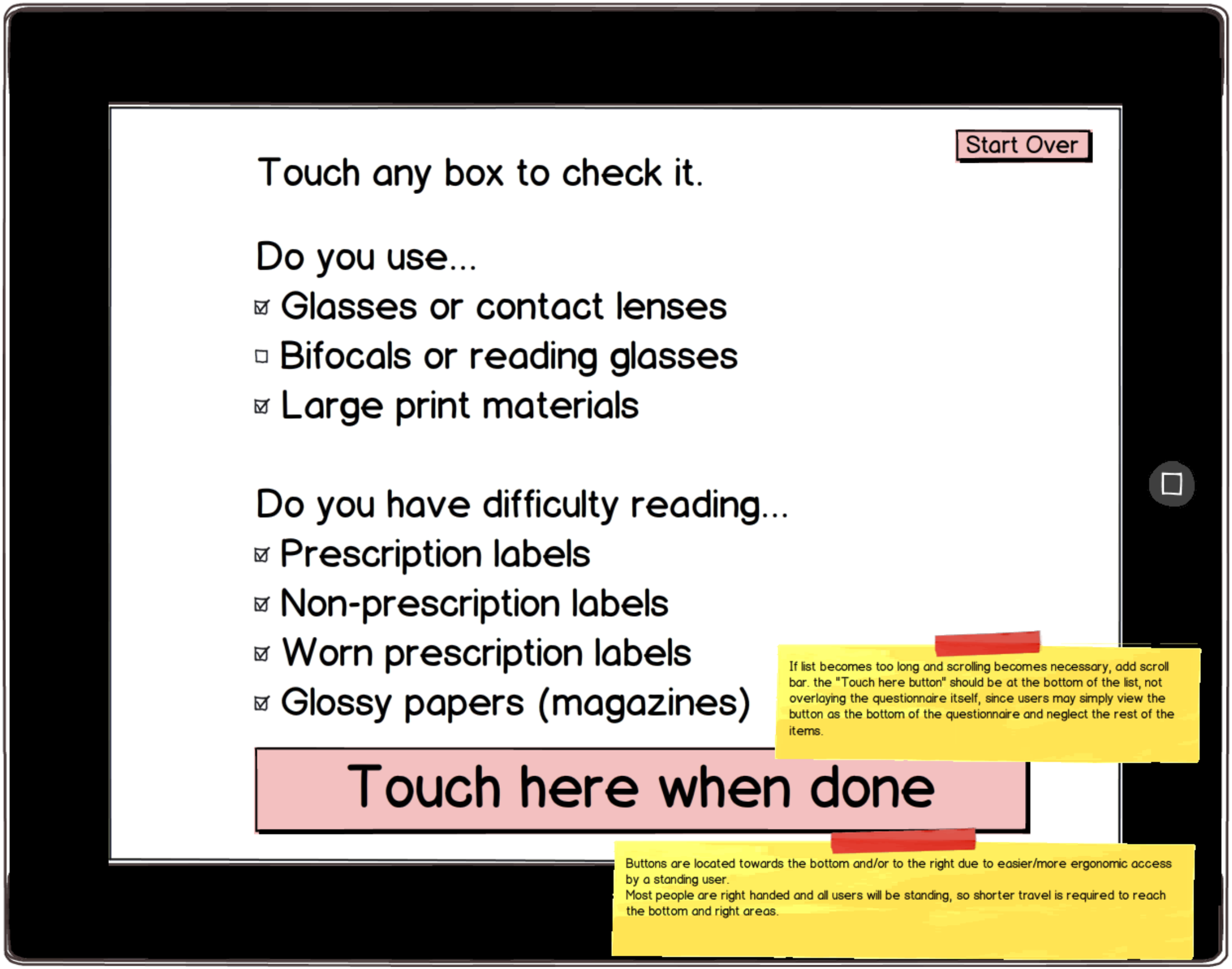
The landscape screen orientation is also likely to be more famliar to seniors than a portrait one: TVs, ATMs, airport Check-in kiosks, etc are typically landscape.

Welcome! This is a quick test of your eye sight.

Touch here to start ->

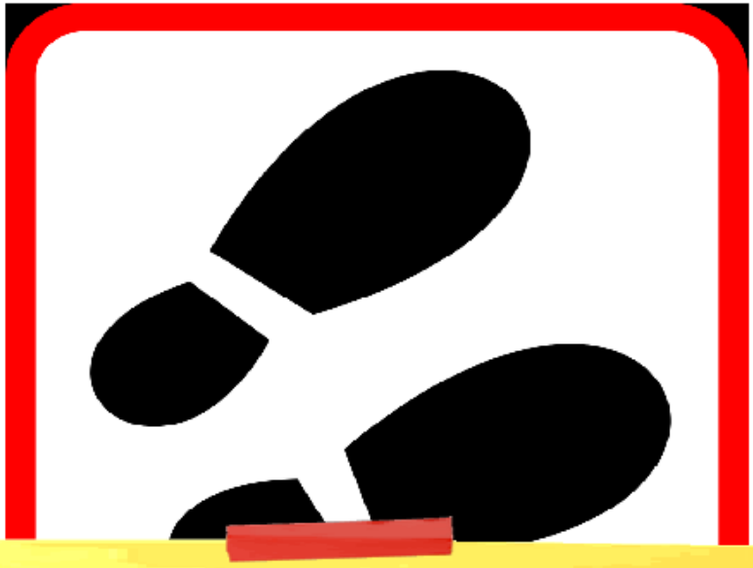
Emphasis on large, basic, functional aesthetics.

Tried to keep words simple due to literacy issues. 1-2 syllables.


Start Over
Touch any box to check it.
Do you use...
☑ Glasses or contact lenses
☐ Bifocals or reading glasses
☑ Large print materials
Do you have difficulty reading...
☑ Prescription labels
☑ Non-prescription labels
☑ Worn prescription labels
☑ Glossy papers (magazines)
Touch here when done
If list becomes too long and scrolling becomes necessary, add scroll bar. the "Touch here button" should be at the bottom of the list, not overlaying the questionnaire itself, since users may simply view the button as the bottom of the questionnaire and neglect the rest of the items.
Buttons are located towards the bottom and/or to the right due to easier/more ergonomic access by a standing user.
Most people are right handed and all users will be standing, so shorter travel is required to reach the bottom and right areas.

Start Over

Please stand straight on the floor marking for the rest of the test

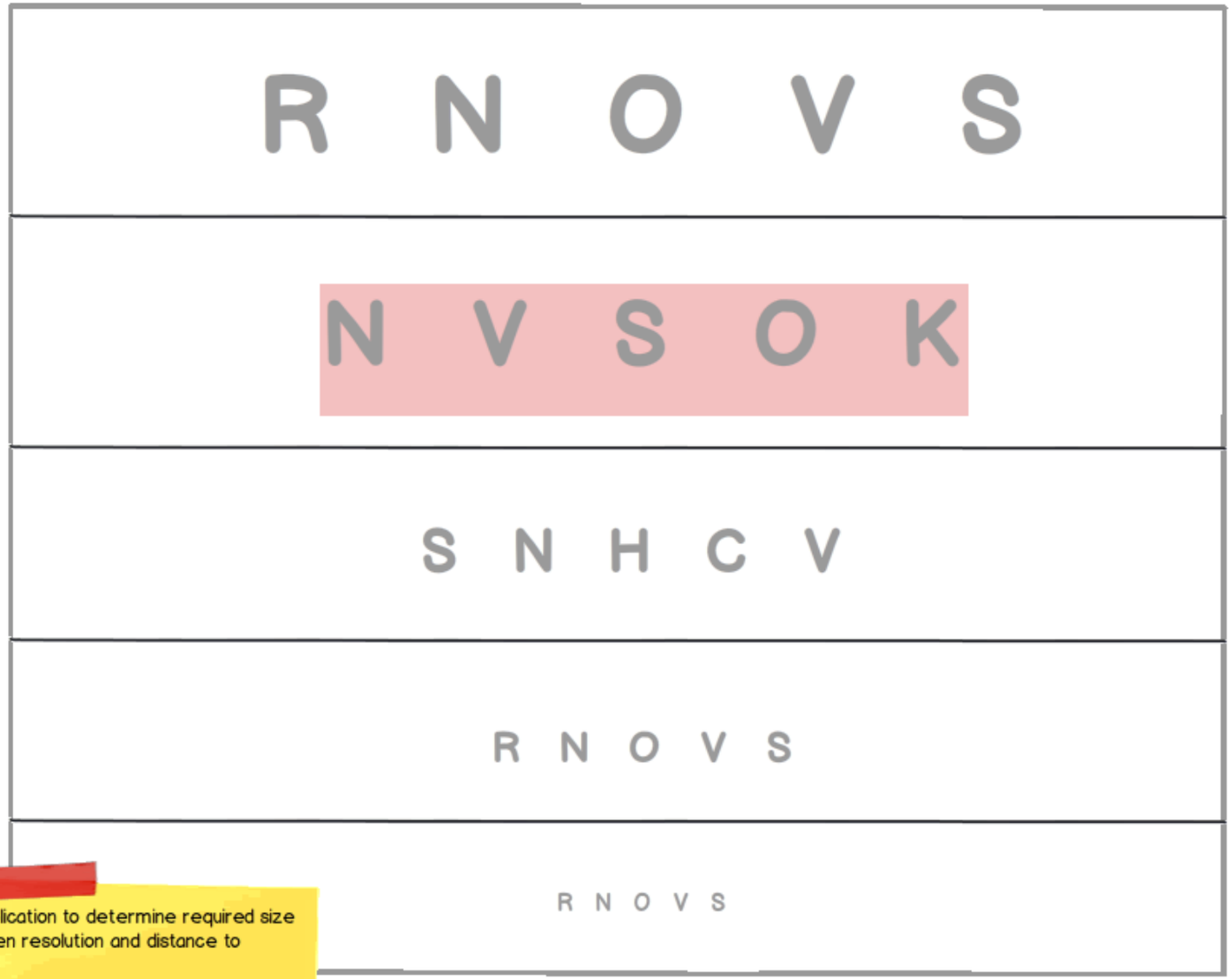


Shoe print image goes here. Pharmacy must place shoeprint sticker on the floor. Location of this sticker depends on average height of senior patients and the recommended eye-to-screen distance for visual contrast/acuity exams.

Touch here when done

Touch the last line you can read.

Start Over



University of Buffalo web application to determine required size of characters based on screen resolution and distance to screen.

http://www.smbs.buffalo.edu/oph/ped/IVAC/IVAC.html

add visual feedback of selection on touch. register selection on touch release.

This keypad consists of a SCRAMBLED set of characters from the line that is being displayed.

A full-size keyboard is impractical here, as the keys would be too small - both for touch and for the purposes of a visual examination.

A "Picker" UI (as in iOS) would also allow oversized characters (e.g. 5 large scrollable columns) but it is also impractical, as seniors may have difficulty working with the spring-like behavior of the Picker.

- Also, having the full alphabet in each scroll column would require too much scrolling
- Limiting each scroll column to only the set of characters being displayed may be a good solution, but would require much more interaction than the keypad design currently displayed here.

Start Over

S N H C V

Type the letters above as best you can:

I

C H N S V Delete

Touch here when done

- Text entry field is broken into 5 sections. Each character entered will jump cursor (hidden or otherwise) to the next box
- Center aligned text entry in each section
- "Delete" will erase previously entered character

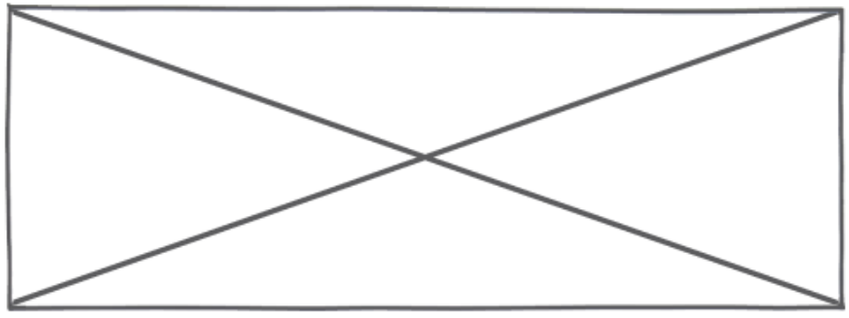
- "DONE" button will be shown as disabled (e.g. greyed out) until all 5 characters have been entered.
- No feedback on correctness of character entry

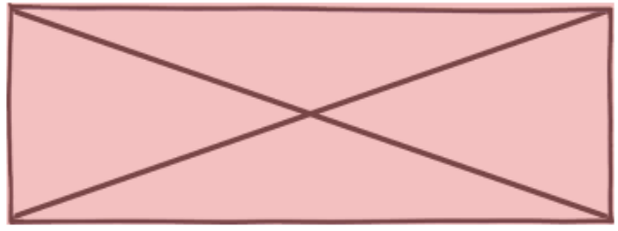
If the user gets 3/5 correct AND the current line is NOT the last (smallest) line available in the visual test, then this button will re-generate a new, smaller line for the user to enter (as well as a new keypad with scrambled characters).

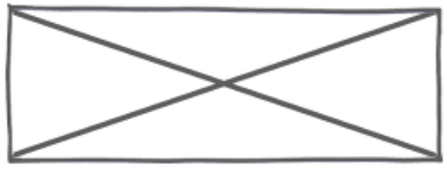
Otherwise, if the user does not get 3/5 correct OR this is the last line available in the visual test, then this button will lead the user to the next screen (Labels screen).

Start Over

Touch the **smallest** label you are comfortable reading.







Start Over
You are done!
Show this screen to your pharmacist.
Pharmacist access
Ideally, keep the UI consistent between the patient and pharmacist portions of the app...such as button locations and sizes. Take advantage of screen space and use large buttons to allow for a better experience in a crowded and faced-paced work environment.

Start Over

Medications

Select any of the patient's medications/medical conditions that could contribute to poor vision.

- ☑ Corticosteroids
- ☐ Anticholinergics
- ☐ Eye drops
- ☑ Diabetes
- ☑ Hypertension
- ☐ Glaucoma
- ☐ Cataracts
- ☑ Other 1
- ☑ Other 2
- ☑ I
- ☑

Arrange items such that no scrolling is required. Allow for a few customizeable text entry fields. Space items out so they are easy to touch.
If user enters text in a custom field, automatically check

Done

"Done" is disabled until at least one box is checked.

Skip

Start Over

Advice for pharmacy staff

- Use the standard label
- Print second label (18pt)
- Colour/number code
- Do not tape
- Refer to optometrist

☐ Check this box if this was an actual customer (do not check if you are training/testing)

Buttons should be located towards the bottom and bottom right due to easier/more ergonomic access by a standing user.
Most people are right handed and all users will be standing, so shorter travel is required to reach the bottom-right area.

Checking this box will locally store the information gathered for this specific instance.

Pharmacist is asked to check IF data is valid...as opposed to asking pharmacist to check if this was a training session, for testing, or simply an erronous instance. Data can be regarded as more valid if pharmacist actively identifies the data as valid (e.g. coming from customer).