**ClereMed**

**Overview**

This application will assist in efforts to make drug labels more readable to patients. It will serve as a stand-alone station (tablet and stand) in pharmacy stores and will provide the pharmacist with a brief overview of a customer’s drug label needs, depending on their eye sight.

The Apps Factory will mock-up and develop the application.

Presently, the application is planned to serve pharmacists on a per-customer basis. There is an option, however, to collect “pharmacist-verified” data from legitimate instances of the application.

**Important Dates**

6 February 2012 – Behzad to deliver initial mockup and specifications document

**Workflow**

This application has a very linear workflow.

*New Patient*

1. User approaches ClereMed kiosk with a tablet running the application
2. Application is presenting the welcome screen
3. User touches start button
4. Application displays questionnaire
5. User fills questionnaire and taps “Touch here when done”
6. Application instructs user to stand on shoe mark stickers placed on the floor (tablet will be within easy arms reach)
7. User taps “Touch here when done”
8. Application displays contrast test, instructing user to tap the last line they can read
9. User touches appropriate line
10. Application displays a smaller line of text, instructs user to try to type the text
11. User enters text using custom keypad
12. User taps “Touch here when done”
13. Application instructs user to touch a comfortable label size (3 displayed)
14. User touches a preferred label size
15. Application instructs user to show screen to pharmacist

*Patient-pharmacist handoff*

1. Pharmacist takes control of kiosk/tablet
2. Pharmacist touches “Pharmacist access”
3. Application instructs pharmacist to populate a list of user’s medications
4. Pharmacist populates list
5. Pharmacist touches “Done”
6. Application presents advice for pharmacist

**Technology**

*Client*

This application will be developed using HTML5 and CSS3 for a landscape-oriented tablet (iPad) form factor. Data from “verified” usage of the app will be stored locally for research/data collection.

*Server*

None - Not applicable.

**Specifications**

There is a “start over” button on every screen except the start screen which takes user back to start screen (and clears any incomplete data collected in the background).

*Start screen*

Welcome message with start button:

\*Touch here to start

*Questionnaire screen*

Full questionnaire is displayed (see mockup for list)

\* Button labeled “Touch here when done”

*Shoe print screen*

Instruction to stand on shoe prints on the floor, with provided image of shoe prints or other floor marking

\* Button labeled “Touch here when done”

*Vision test 1 screen*

Instruction to touch last line user can see. Display modified contrast test with fewer lines (TBD).

\* Lines are selectable. Quick visual feedback of selection is provided and next screen is displayed

*Vision test 2 screen*

Set of characters (one level smaller than line the user selected)

This screen is skipped if user selected the smallest line in *Vision test 1*

Instructions to type the displayed characters.

\* Custom keypad is displayed with “Delete” key (serving as backspace)

\* Button labeled “Touch here when done”

\* Disabled until all characters have been entered

*Label screen*

Instruction to touch smallest comfortable label size

\* 3 selectable label sizes

*Patient hand-off screen*

Instructed to show screen to pharmacist

\* Smaller button for pharmacist labeled “Pharmacist access”

*Medications screen*

Instructed to enter customer’s medication use or skip screen

\* Checklist of medications with customizable user-entered fields

\* Button labeled “Done” – temporarily saves the medication data

\* Button labeled “Skip” – discards any entered medication data

*Advice screen*

Displays advice for pharmacy staff

\* Checkbox for pharmacist to tick if instance was run by an actual customer (e.g. data is “verified”)