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| To Be Completed By Tester | | | |
|--|------------|--------------------|--------------------|
| Session Date: | | Session Time: | |
| Configuration tested: | | | |
| Webware version: | | Server: | Browser: Platform: |
| App version: | | OS version: | Platform: |
| Sensor HW version: | | Sensor FW version: | |
| Significant configuration deviations: | | | |
| Significant prompt deviations (summarise): | | | |
| Operational difficulties, use errors, and close calls (summarise and list JIRA ticket(s)): | | | |
| Time Required for Execution: | | | |
| Test Executed By – Print Name, Sign and Date: | | | |
| Print: | Signature: | Date: | |
| Results Reviewed and Approved By – Print Name, Sign and Date: | | | |
| Print: | Signature: | Date: | |

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1. Introduction and Purpose

- 1.1. The purpose of this usability test protocol is to evaluate whether cards helps the users understand and navigate our mobile site in the most efficient way.

2. Scope:

- 2.1. The scope of this test plan includes looking at a card printout of our mobile application and interpret what it means.
- 2.2. More than one usability test may be run in a single usability session; see TST_Usability_ParticipantInfoSheet for introcution, purpose, scope, definitions, materials, and procedure information applying to all usability tests.

3. Definitions

- 3.1. **Card** - (loosely) a single view or screen appearing in the Propeller application.
- 3.2. **MDI** - Metered dose inhaler

4. Materials and Equipment:

- 4.1. The following materials and equipment are required for executing the test plan.
 - 4.1.1. **Data Sets:** N/A
 - 4.1.2. **Equipment:**
 - 4.1.2.1. Hardware
 - 4.1.2.1.1. Screen or printout for displaying card prototype
 - 4.1.2.1.1.1. ☐ Printout ☐ TV screen ☐ Laptop screen
 - ☐ Phone screen ☐ _____
 - 4.1.2.2. Paperwork
 - 4.1.2.2.1. ☐ Card containing prompt information: Dose times
 - 4.1.2.2.2. ☐ Screenshots or mockups of cards under test (attach images)
 - 4.1.3. **Machine Configuration:** As listed on Page 1.
 - 4.1.4. **Automated Test Scripts:** N/A
 - 4.1.5. **Standard Data Files:** N/A

5. Procedure:


5.1. Introduction to usability testing

- 5.1.1. See TST_Usability_ParticipantInfoSheet

5.2. Task

5.2.1. Introduction to Propeller

- 5.2.1.1. ☐ *The Propeller System helps people who take an inhaler medication to treat asthma.*
 - 5.2.1.1.1. ☐ *Asthma is a condition that can make it hard for people to breathe. People with asthma often use an inhaler like these to breathe in medication that makes breathing easier. People typically have two inhalers:*
 - 5.2.1.1.1.1. *one that they use during moments when they're having an asthma attack and symptoms are bad, <point to Albuterol inhaler> and*
 - 5.2.1.1.1.2. *one that they use every day to prevent symptoms from occurring in the first place (similar to people who take allergy medication every day) <point to Flovent inhaler>.*
- 5.2.1.2. ☐ *Propeller Health does not make the inhalers themselves. We make an add-on product that works with the inhalers.*

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5.2.1.3. ☐ Our product includes a device called a “Sensor.” It goes on top of the inhaler and automatically records when you use your inhaler. It sends this information to your smartphone.

5.2.1.4. ☐ The app uses this information to remind you to take your daily inhaler.

5.2.2. Stage Setting

5.2.2.1. ☐ We assume you don’t have asthma, so we’re going to

5.2.2.1.1. ☐ ask you to pretend that you are caring for

5.2.2.1.1.1. ☐ a child with asthma

5.2.2.1.1.2. ☐ two children with asthma

5.2.2.1.2. ☐ give you a fake “person” to pretend to be.

5.2.2.1.2.1. ☐ You are Alex, and

5.2.2.1.2.2. ☐ You have asthma.

5.2.2.1.2.3. ☐ You take _____ for your asthma

5.2.2.1.2.3.1. ☐ You take it every day at _____.

5.2.2.1.2.4. ☐ You have <insert contact information:>

5.2.2.1.2.4.1. _____

5.2.2.2. ☐ We will show you a screen we’re considering putting in our app. Take a moment to look at it and tell us:

5.2.2.2.1. ☐ What does it mean? / What is the screen showing you?

5.2.2.2.2. ☐ What would you do in response?

5.2.2.3. ☐ Let me know when you are done. I won’t tell you when I think you are done, so be sure to let me know.

5.2.3. Task records recording:


5.2.3.1. Record observations. Denote important points with key:

5.2.3.1.1. [UE] = Use Error

5.2.3.1.2. [OD] = Operational Difficulty

5.2.3.1.3. [CC] = Close Call

5.2.3.1.4. [B] = Product Bug

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5.3.1.2. Use Errors: *Were there any points where you did something and later thought “oh, maybe that wasn’t right?”*

5.3.1.3. Close calls: *Did you have any “close calls” where you almost did something and caught yourself?*

5.3.2. Participant mindset during trouble areas

5.3.2.1. Can you walk us through your mindset when ...

5.3.2.1.1. (Individually discuss each use error, close call, and operational difficulty not already discussed. Record notes above.)

5.4. Interview questions


5.4.1. See TST_Usability_ParticipantInfoSheet

6. Appendix

6.1. Cards shown:

6.1.1. Attach cards shown and record the order in which they were shown. If multiple cards were shown concurrently, record them with the same number.

6.2. Additional Notes:

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