



Attention: Cassandra Harris, Director of R&D

Presented by: Lexie Kirsch, User Interface Developer

February 21st, 2017



Lexie Kirsch
11 Winthrop Street
Medford, MA, 02155

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Cassandra Harris
Director of R&D
JustoCat

Dear Cassandra Harris,

Thank you for selecting Pollex Designs to develop the user interface for the JustoCat II application.

In this report you will find a short design brief and six sample designs of the user interface. These sample screens depict various important user interactions, from adjusting the settings of JustoCat's robotic functions to enabling notifications to be sent to the care provider in case of an emergency situation involving the owner.

I look forward to hearing your feedback.

Sincerely,

Lexie Kirsch
User Interface Developer
Pollex Designs

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Design Brief



This interface incorporates the (formerly named) “JustoCat” brand by displaying its logo on the welcome screen and its corporate color as the background color of all screens. The name “JustoCat” has been replaced with “ComfortCat” to emphasize the company’s goal of providing comfort to patients through cats.

Designed with the user in mind, the buttons on the home screen are sized according to their expected frequency of use. For example, since settings involving the cat’s head motion and tone of voice do not need to be changed frequently, this button is smallest and located at the bottom of the screen.

Furthermore, since the user of the app is likely a care provider or other assisted living center worker, she might be responsible for monitoring multiple patients with different ComfortCats. Taking this into account, the cat’s name is listed at the top of the home screen. This name can be used to distinguish different cats, corresponding to different patients, and switch quickly and easily between them.

In addition to the “CatCam” to directly monitor a patient’s behavior, this app also includes two other features that might be of interest to care providers. First, there is a “Memories” screen for the care provider to monitor trends in the patient’s behavior with the cat (Image 3). Second, there is a “Notifications” screen for the care provider to enable the app to send alerts when the patient is behaving in a specific, perhaps concerning, way (Image 5). These features can be used to detect potential problems or current emergencies. They make the ComfortCat not only about the patient’s comfort but also about her safety.



Image 1. Shows the welcome screen for the app. An animation of a bowl being filled with cat food plays as an indication of the app's progress in loading. When the app has fully loaded, and the animated bowl is full, the welcome screen will change to the home screen.



Image 2. Shows the home screen for the app. From this screen, the user can connect to the CatCam to monitor the owner, view a log of the cat's memories interacting with the owner, and change the app's and cat's settings.

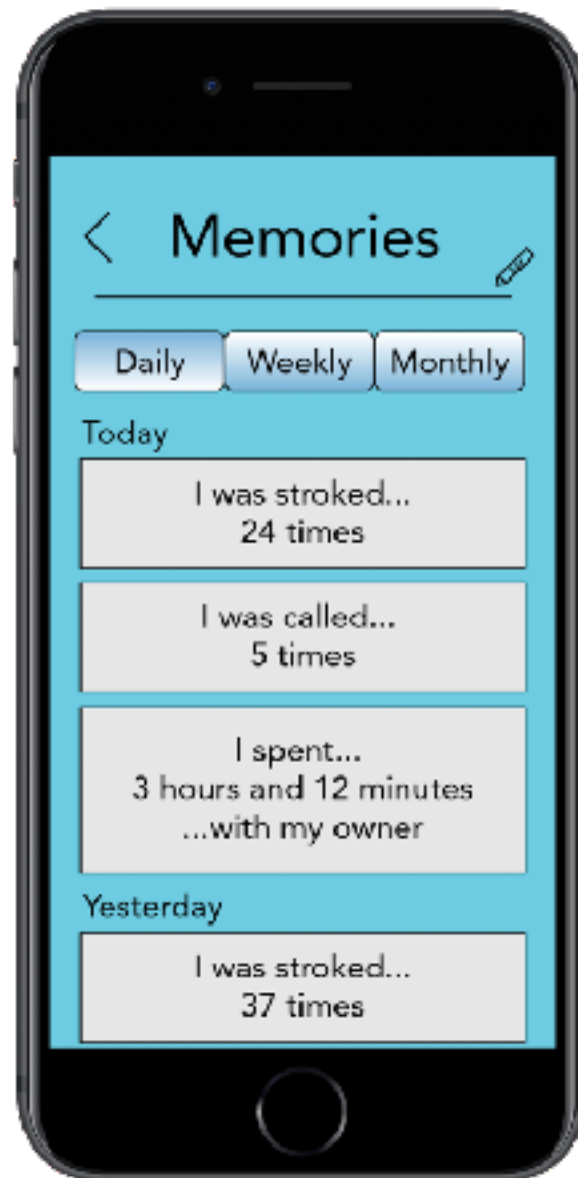


Image 3. Shows the memory log of the ComfortCat, including how many times the cat was stroked and called, as well as how many hours the cat spent with the owner. The memories that are displayed can be edited using the edit pencil at the top right of the screen. Additionally, the user can compare memories by day, week, or month, using the buttons towards the top of the screen. This allows the user to easily monitor any trends and changes in the owner's behavior.

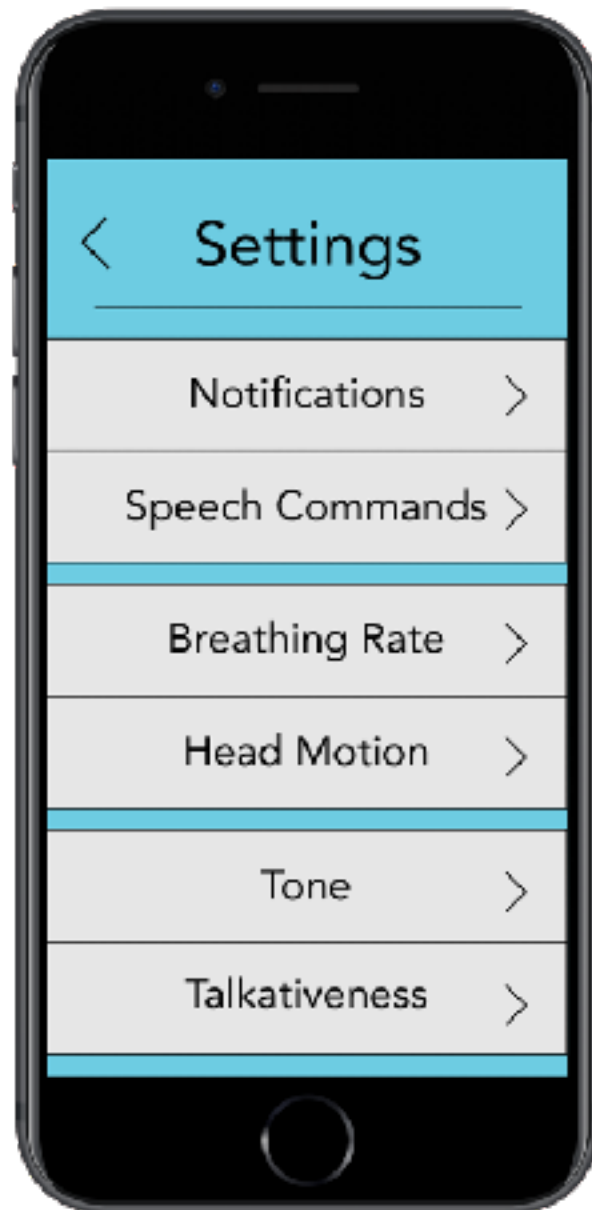


Image 4. Shows the Settings screen of the app. From this screen, the user can alter the functions of the app and the cat. These functions are grouped based on their different purposes: alter the app, alter the cat's motions, or alter the cat's voice. The functions that are expected to be used most frequently are at the top.



Image 5. Shows the Notifications screen on which the user can choose to be alerted if specific conditions arise. For example, if the owner's volume reaches a certain point, the app can notify the care provider that the owner may need assistance. To determine what volume is appropriate, the gray bars to the left of the colored bars indicate the present volume being picked up by the cat's ears. Another example of a situation in which the care provider might want to be notified is if the owner is behaving aggressively. This behavior can be determined by tail-pulling, shoving of the cat, etc, and can be specified using the edit pencil at the top right of the screen.



Image 6. Shows the Commands screen on which the user indicates how the ComfortCat should respond to different prompts. These prompts can be commands or actions. For example, if the owner says the cat's name, the cat knows he should approach the owner for instructions or interaction. These commands and their responses can be edited using the edit pencil at the top right of the screen.