Proof of Concept

Cody Jackson

User Persona

Marcus Winn - CEO

DBL Deaf Basketball League
Single

He is afraid that the lack of communication could keep hearing women from being interested.

Needs:
Be able to carry on a natural feeling conversation with a hearing person who does not know ASL.

User Story / Scenario

- Marcus heads to work
- Meets Veronica from his gym
- Asks her out
- Hopes she won't find his deafness an issue
- Feels better because of Caption
- Meets her for coffee
- Easily communicates via Caption
- Gets a second date

Conversation Participants

Deaf Participant

Primary Hearing Participant

Secondary Hearing Participant

Task Flow 1 - One Person

Start a new conversation with a single person using
Caption to translate what they are saying

Result: User begins conversation with a single participant and confirms their thoughts with OK button

Task Flow 1 - One Person - Step 1/5

Begin Translation with
Begin Conversation button on app

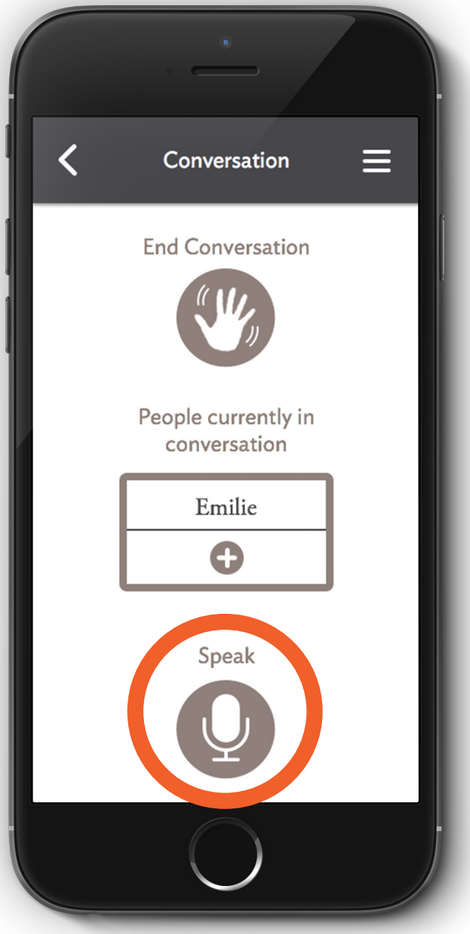
So my boss said that I need to have the report by monday

Task Flow 1 - One Person - Step 2/5

Caption translates spoken words into text which user can see in front of speaker

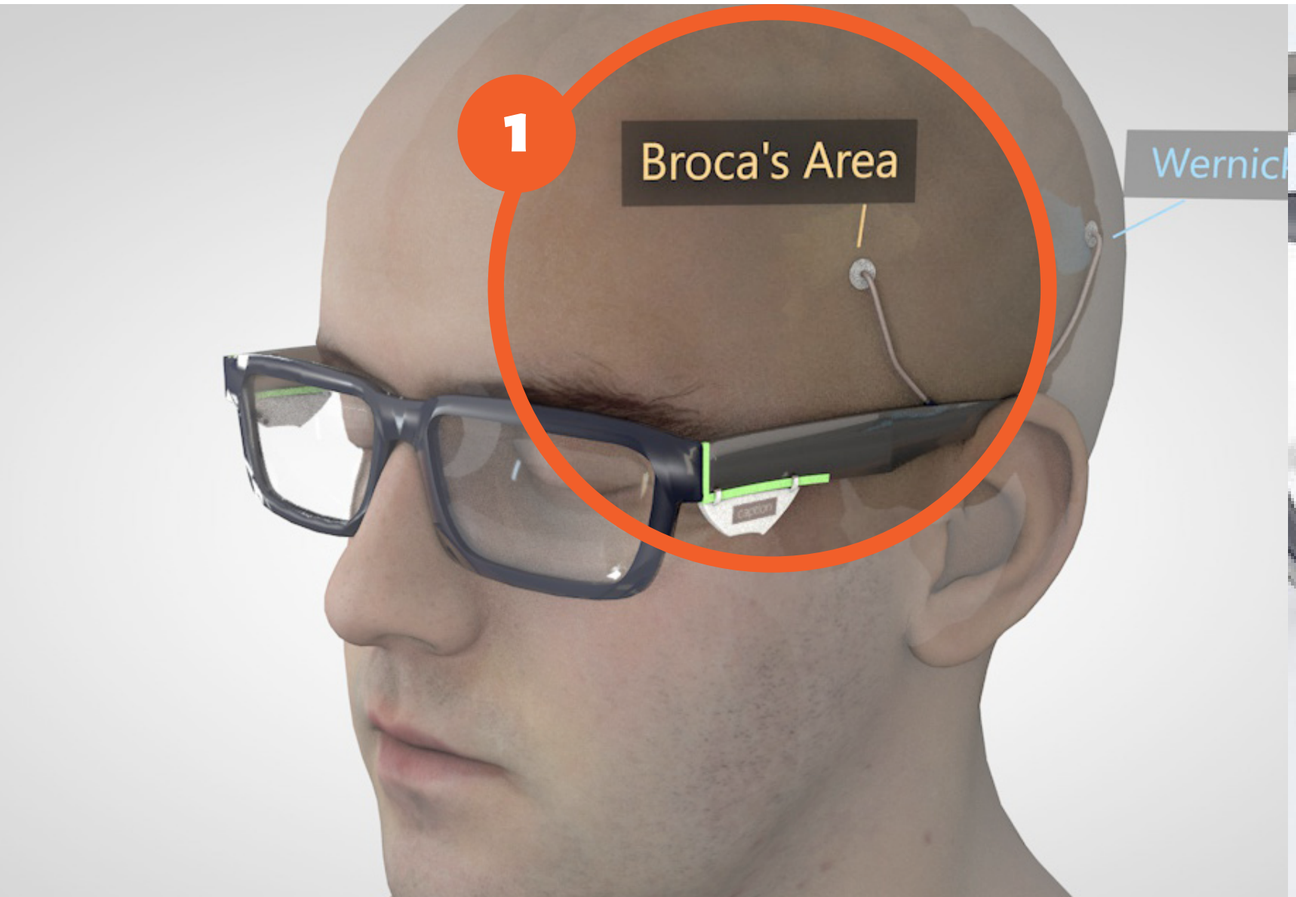
Task Flow 1 - One Person - Step 3/5

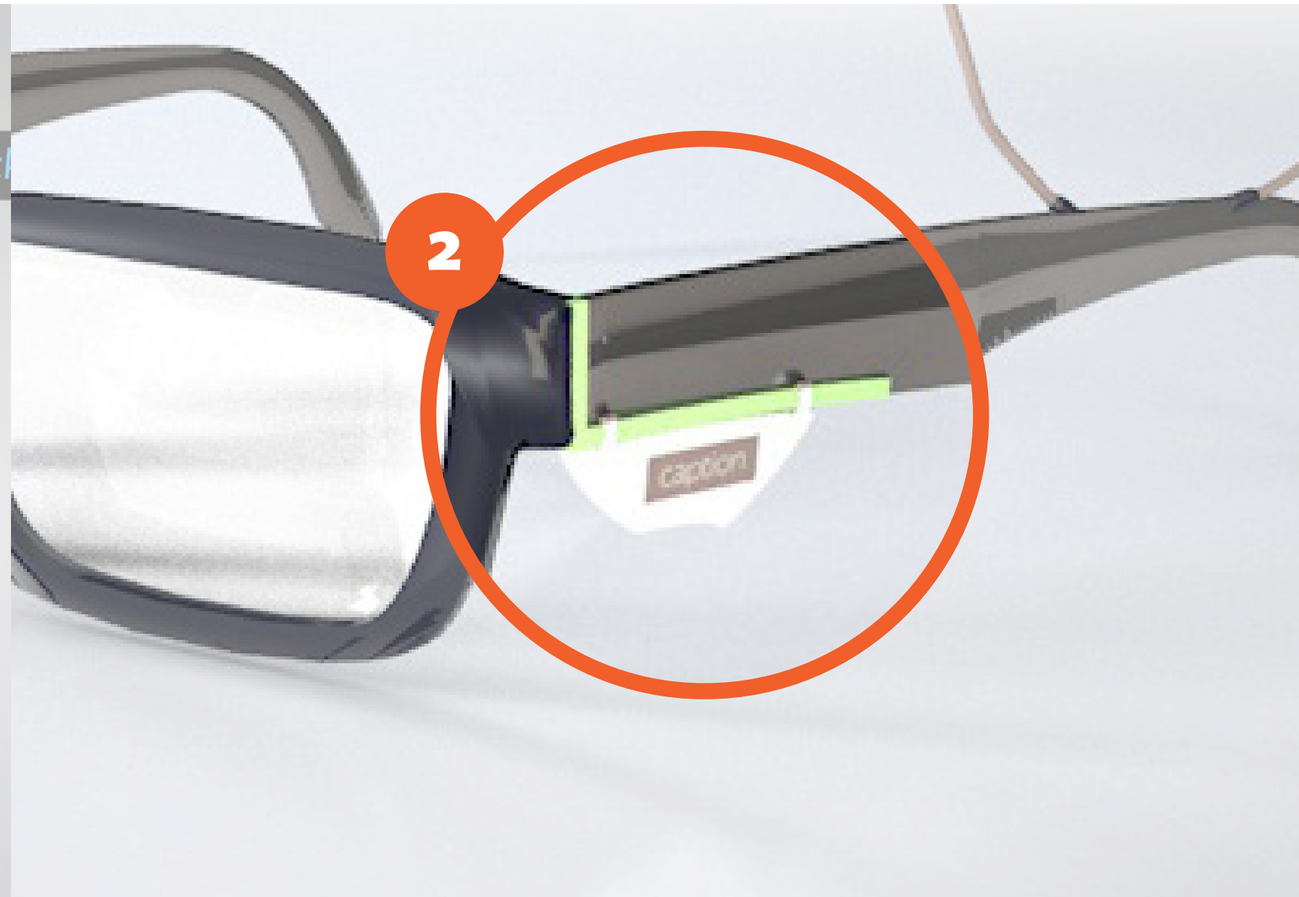
User presses and holds **Speak** button on app to start speaking their thoughts

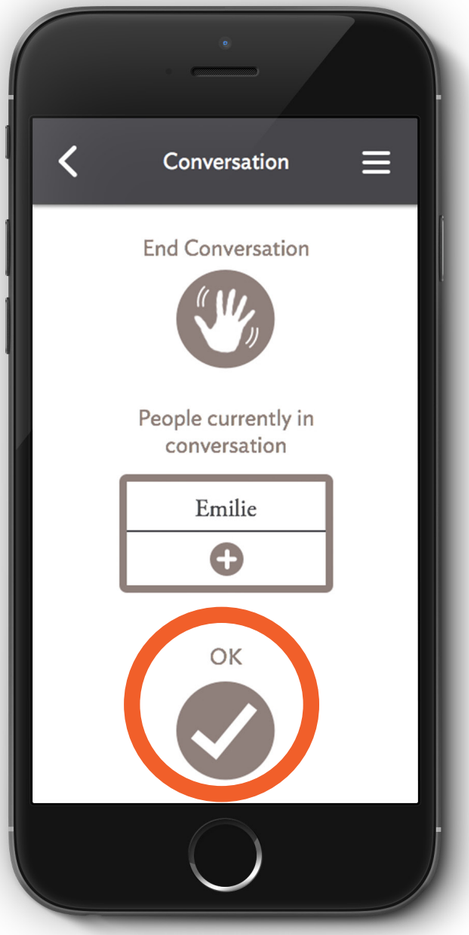


Task Flow 1 - One Person - Step 4/5

Caption translates user's intentional thoughts from Broca's area sensor **(1)** and makes them audible to other person via speakers located in the clip **(2)** on the glasses







Task Flow 1 - One Person - Step 5/5

User's thoughts are shown in view and they press **OK** button to confirm and send thoughts through Caption speakers

Task Flow 2 - Multiple People

Switch Caption translation between two people

Result: Caption changes Caption Box from one participant to the other

Task Flow 2 - Multiple People - Step 1/3

Another person approaches

Task Flow 2 - Multiple People - Step 2/3

User looks at approaching person

Task Flow 2 - Multiple People - Step 3/3

Caption switches translating to new person based on center of view

Task Flow 3 - Conversation Setup

Setup a static conversation between multiple people

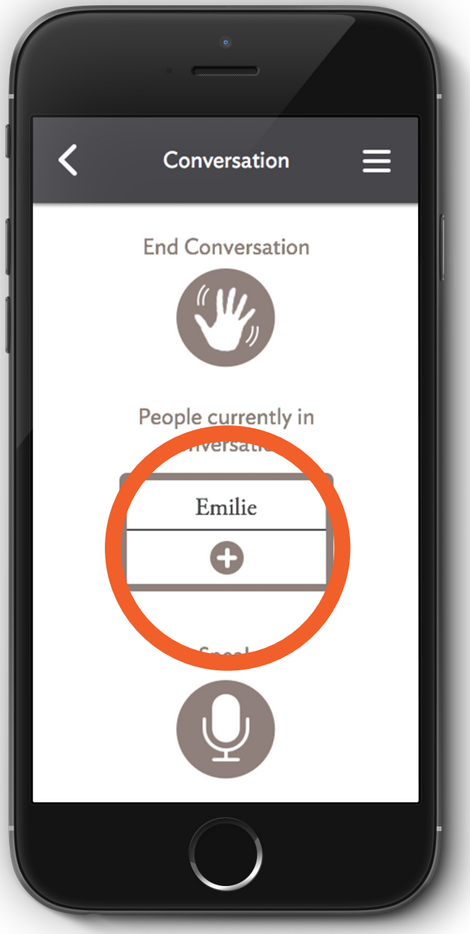
Result: User is able to set up a conversation
with static Caption Boxes for participants

Task Flow 3 - Conversation Setup - Step 1/5

User decides to setup a static conversation
with the two participants

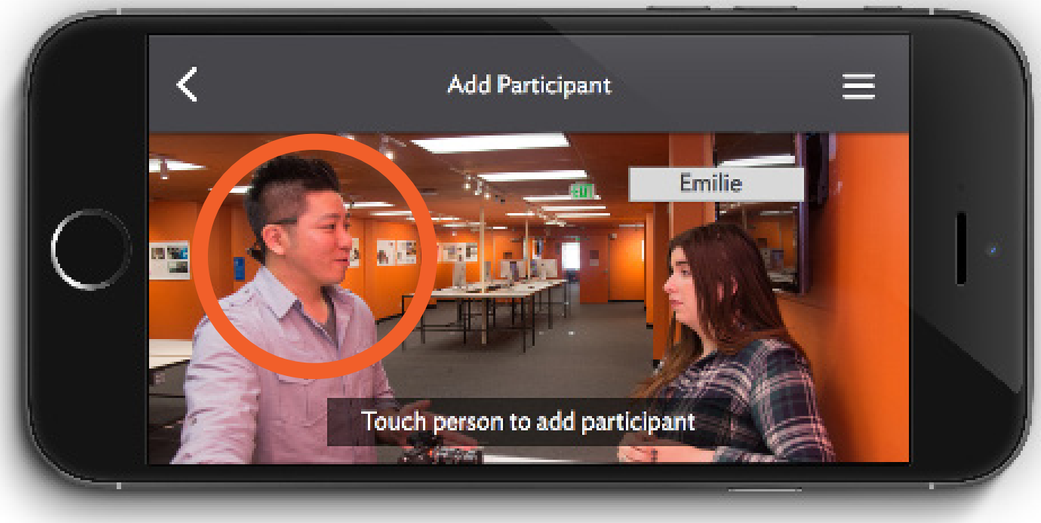
Task Flow 3 - Conversation Setup - Step 2/5

User presses **Add Participant** button from Conversation Screen



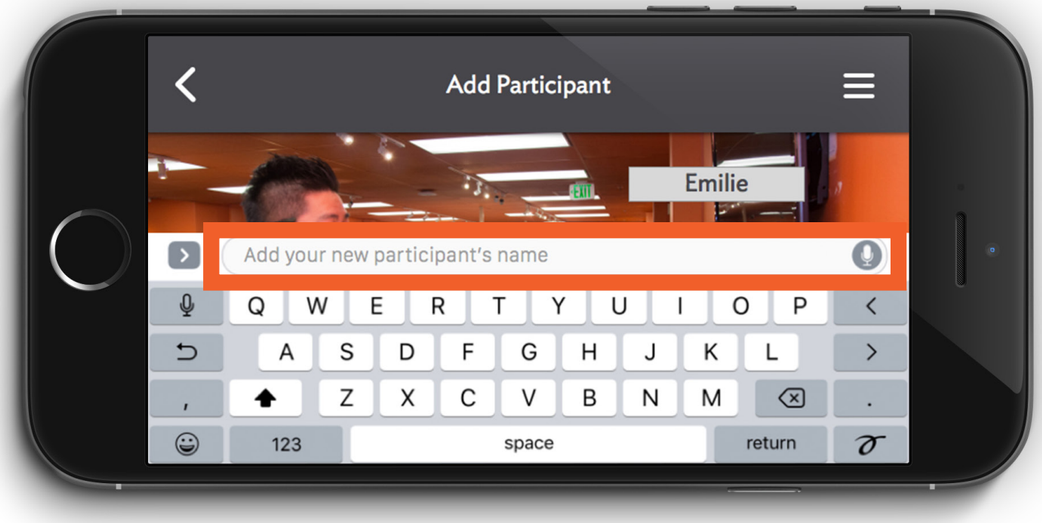
Task Flow 3 - Conversation Setup - Step 3/5

App goes to Add Participant Screen and user taps on the **person** they want to add to the conversation



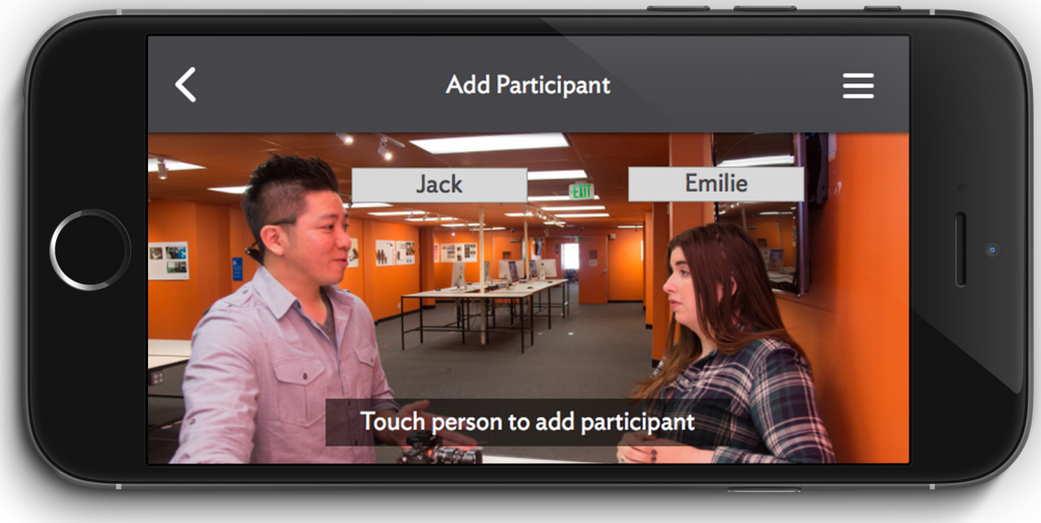
Task Flow 3 - Conversation Setup - Step 4/5

User types the **name** of the new participant



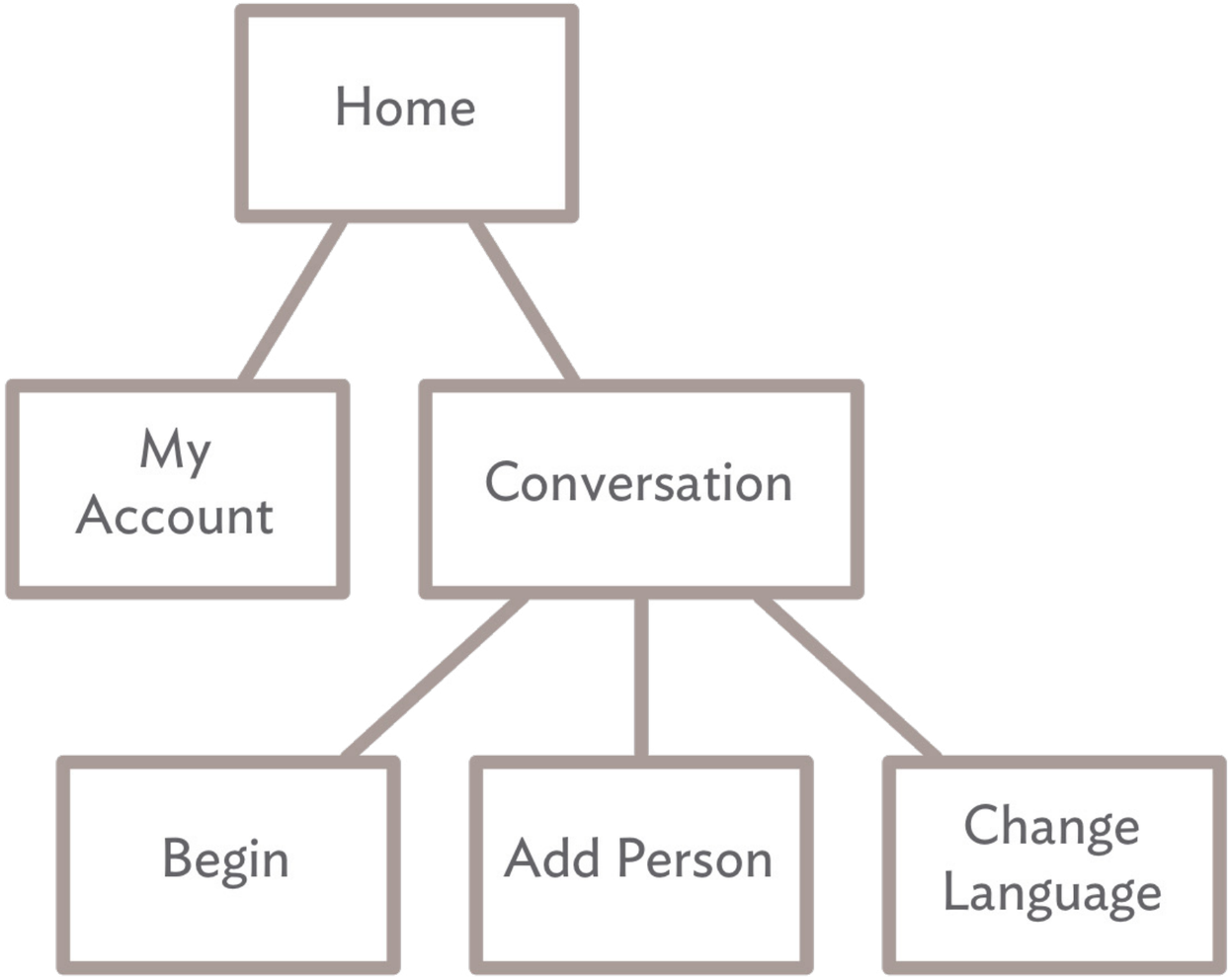
Task Flow 3 - Conversation Setup - Step 5/5

App applies label to new participant in app and places static Caption box in front of new participant

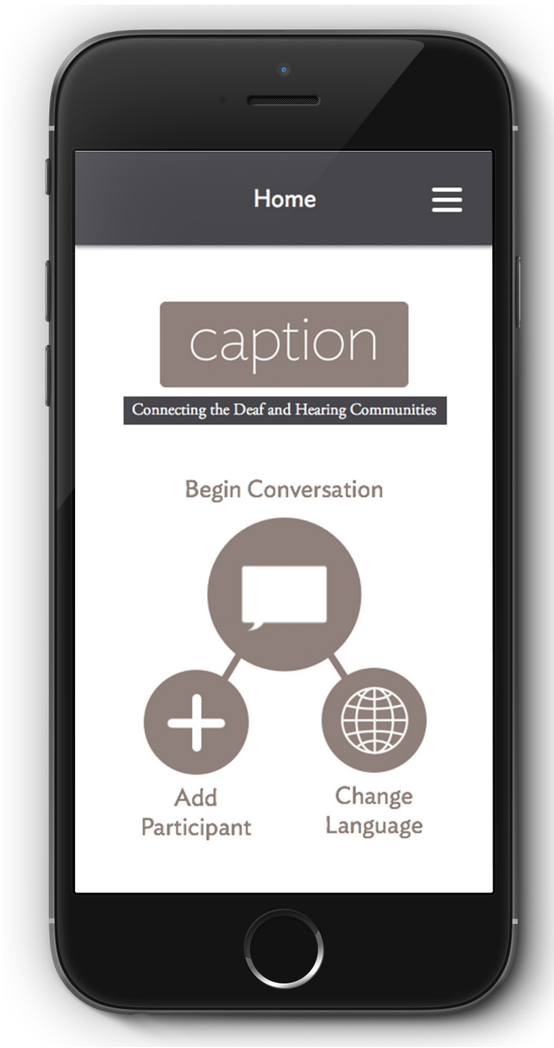


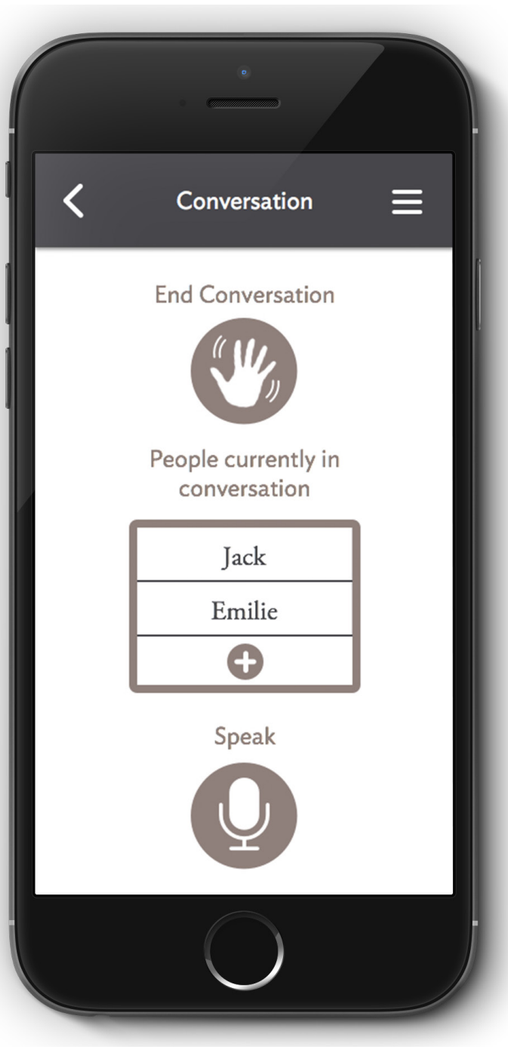
Caption Interface

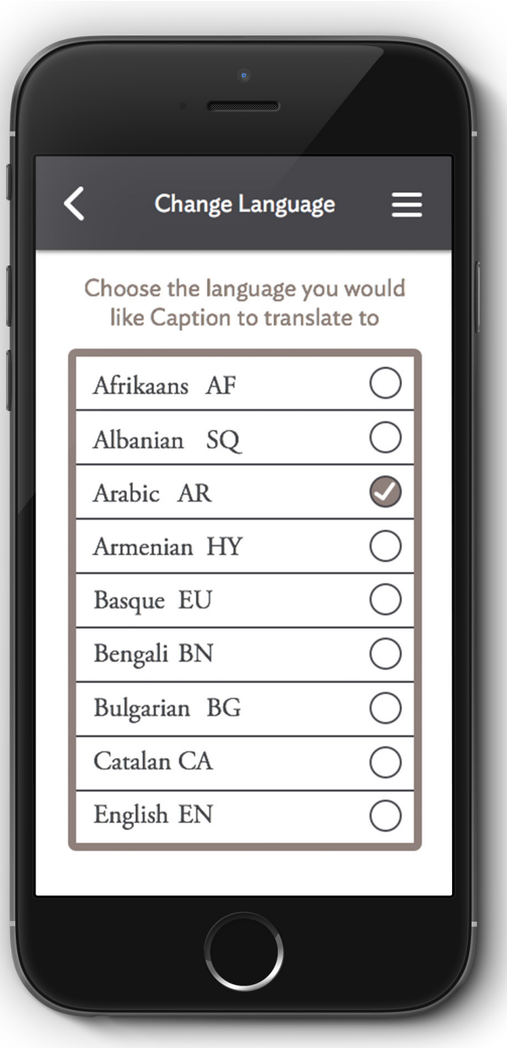
App Wireframe



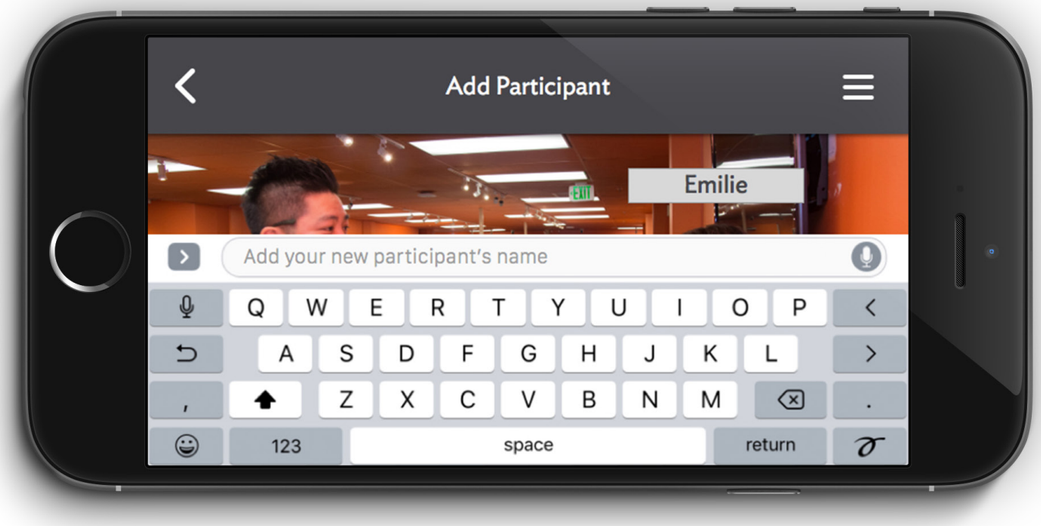
High Fidelity App Screens

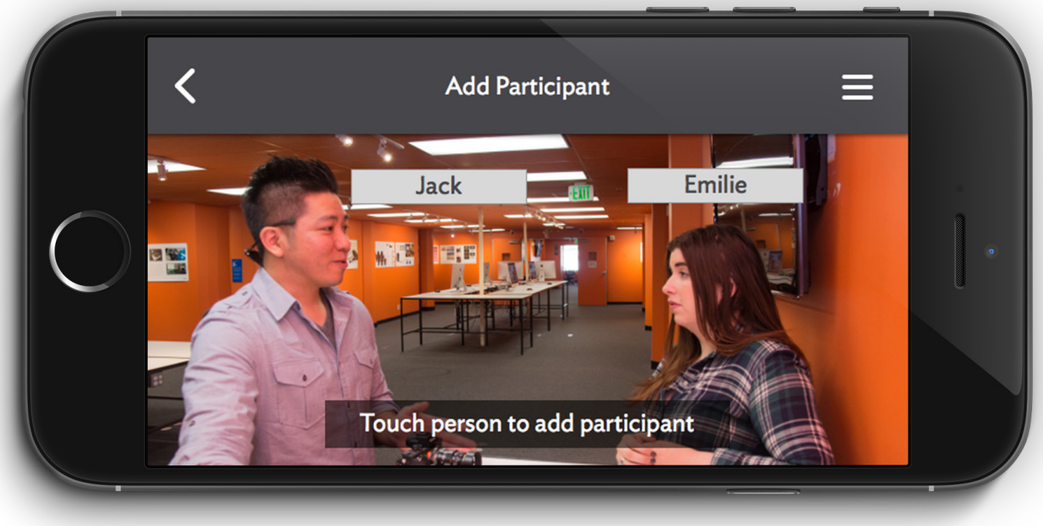






High Fidelity App Screens



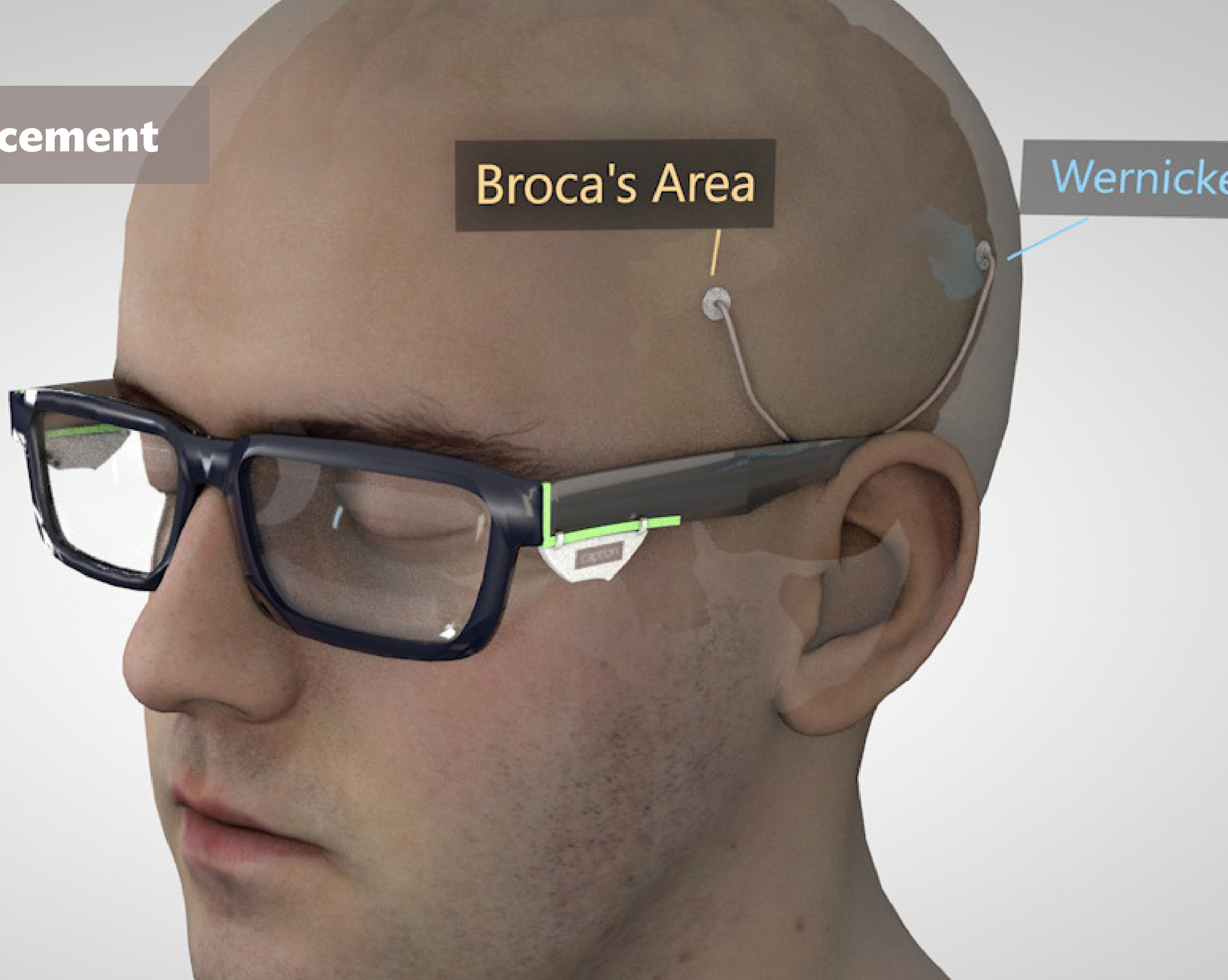


Headset Breakdown

EEG Sensors

Caption System

EEG Sensor Placement



Concept Video

Concept Video Link

Thank You