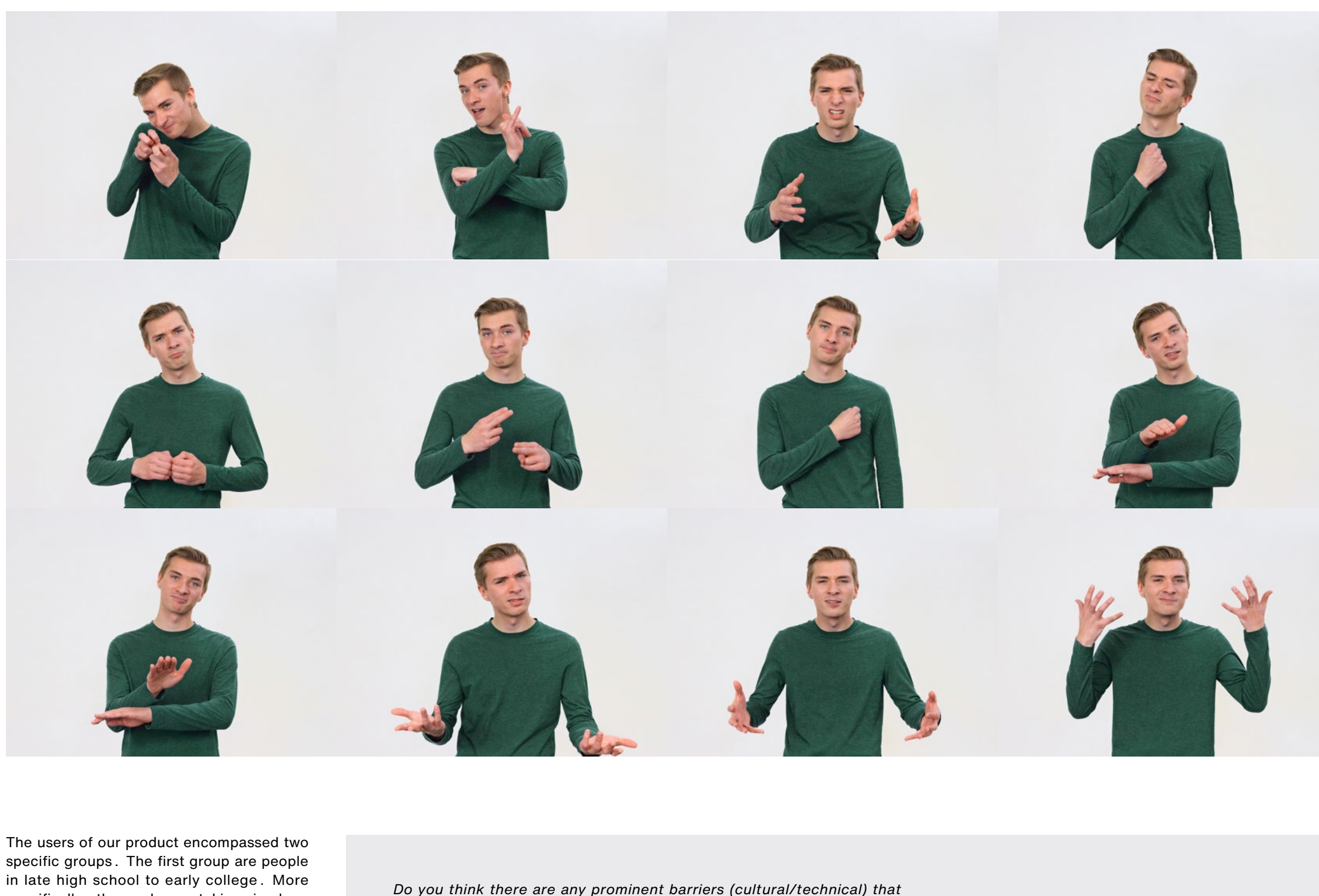


## 1. Sign Language Learning App

UI/UX, APP DESIGN - DECEMBER 2021

We designed an app to aid in the learning of sign languages. The app allows first-timers to use AR to aid their learning, a classroom mode designed for use in a teaching environment, and group chatting capabilities that allow learners to practice their skills with others and become more familiar with the culture of sign languages.



We conducted a survey to find out current pain points in people's journeys in learning

a sign language, and in communicating with sign languages online and in-person.

Since sign languages aren't written, it's hard to practice on your own. You need

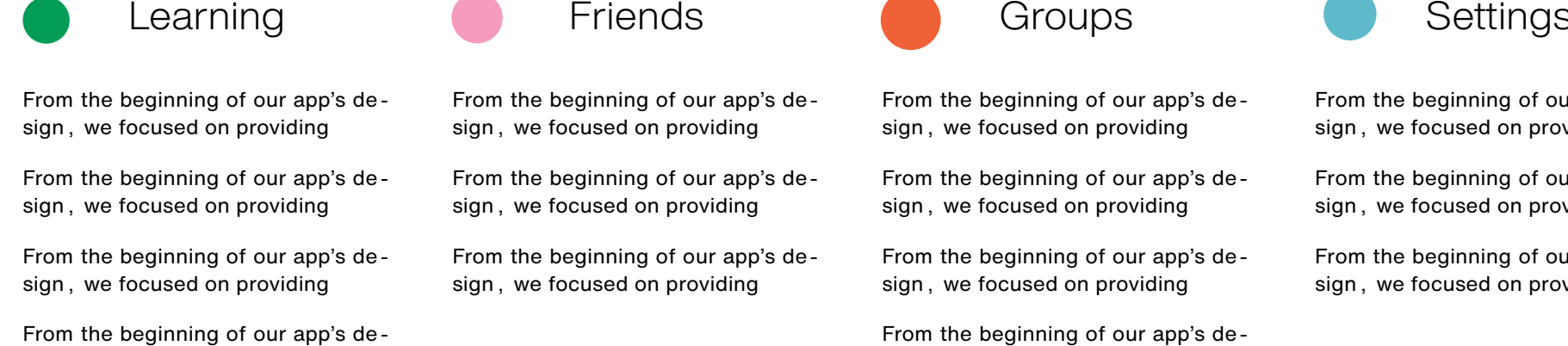
more language input than is possible when living in hearing environments."

pretty good, but far too difficult since  
there are no translations of the videos

they provide, nor any explanations of vocabulary or grammar. It's geared to those who have access to a teacher they can ask."

In our survey, we found from our Deaf responders that it would be useful if more hearing people learned a sign language. We also found that there are a few cultural and technical barriers that dissuade people from learning a sign language, which we aimed to break down.

From the beginning of our app's design, we focused on providing a learning section, and a social section. The learning section would gear people up with vocabulary, phrases, and the general understanding of a sign



creates a loop that is intrinsically motivating to a learner. Allowing them to develop their language skills naturally, similar to how one would as a growing child. We provided features to accessorize this loop, such as a dedicated app friend list and calling function. We also allow users to optionally tag themselves as Deaf, CODA, or Hearing, and display their years of experience or learning chapter, as a way to break the ice for newbies and understand people's experience at a glance.

i. Students strengthen their knowledge of a sign language through practicing with one another and by using the robust dictionary/reference feature.

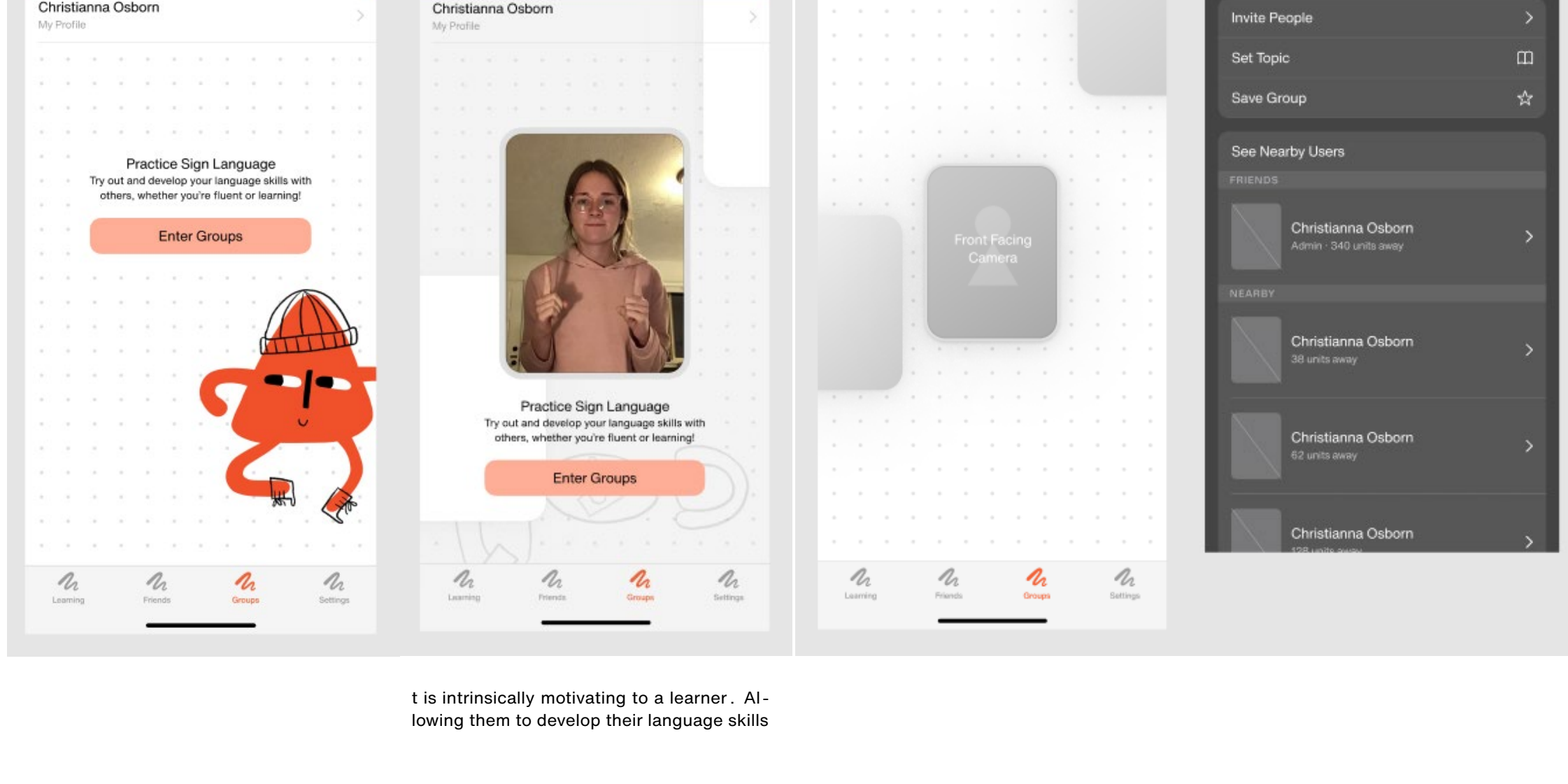
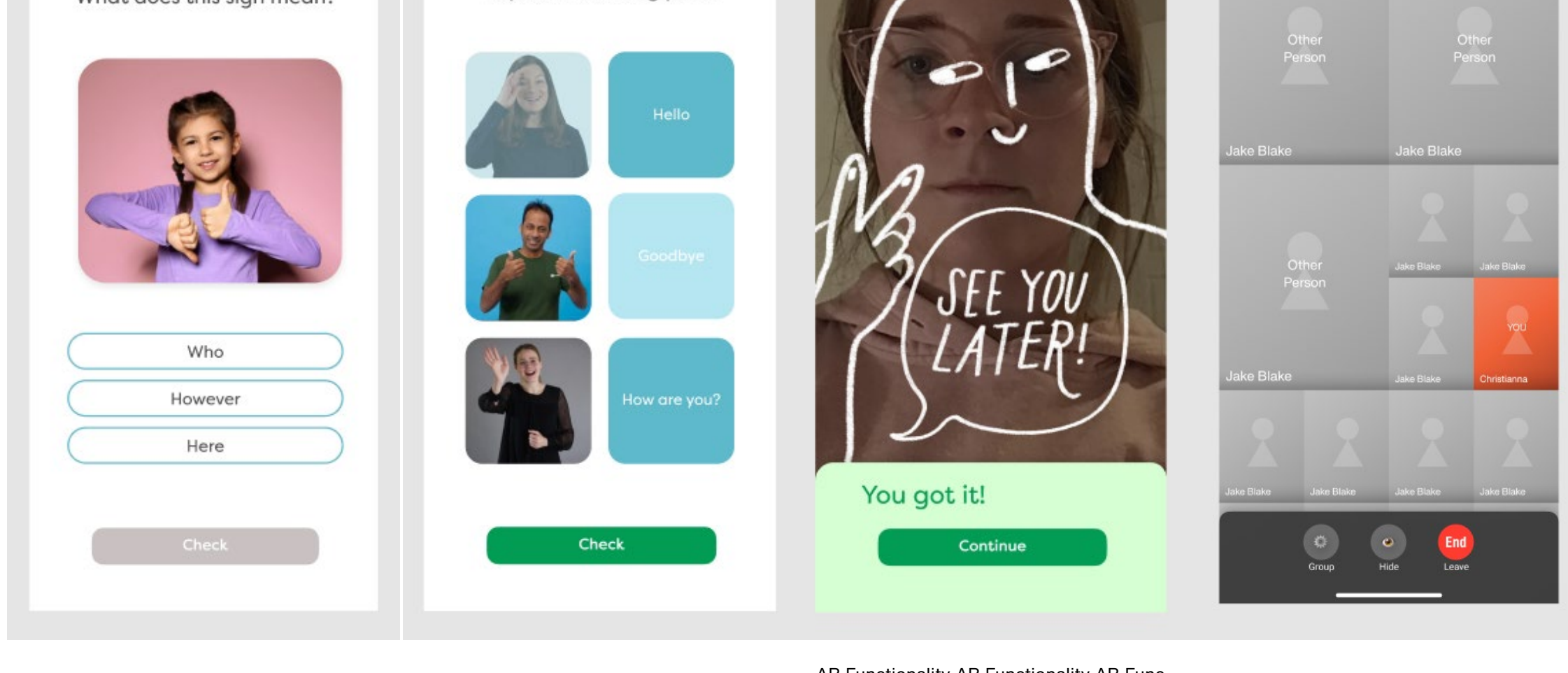
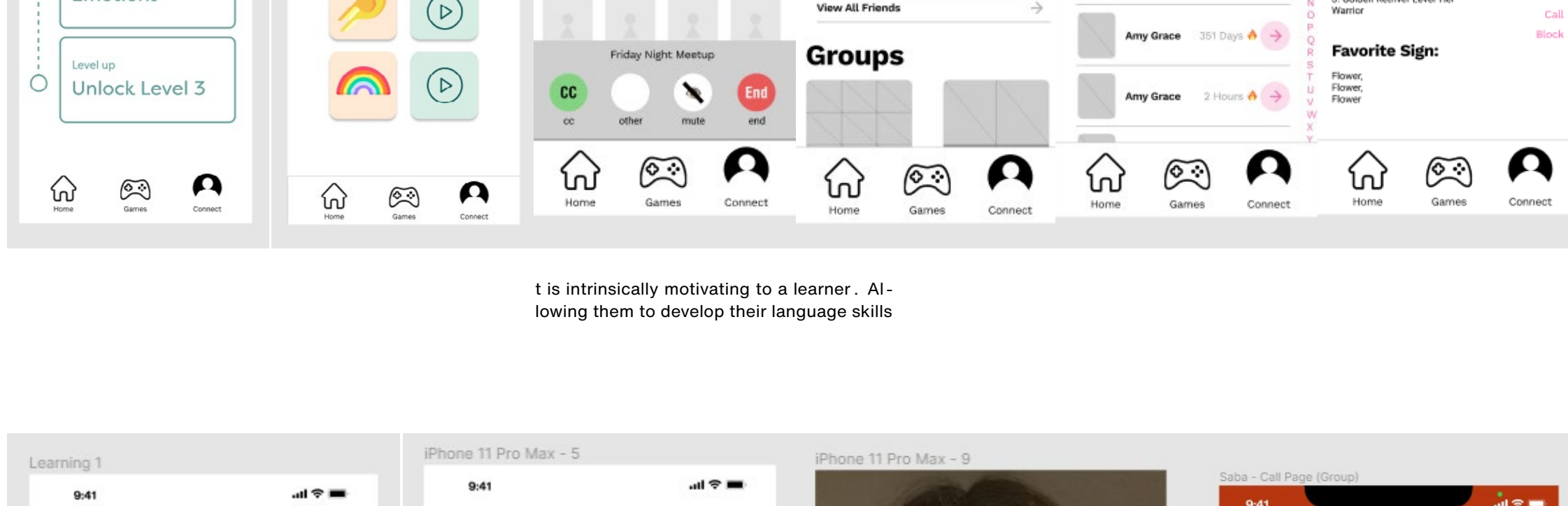
b. Has no more extrinsic motivator to learn a sign language (e.g., finishes language credits) However, wishes to continue learning a sign language

signs up for the app independently and meets similarly motivated people, and experienced sign language communicators to learn and practice with.

- ii. Creates repeating 'Deaf Coffee' like events for Deaf and sign language learning friends.

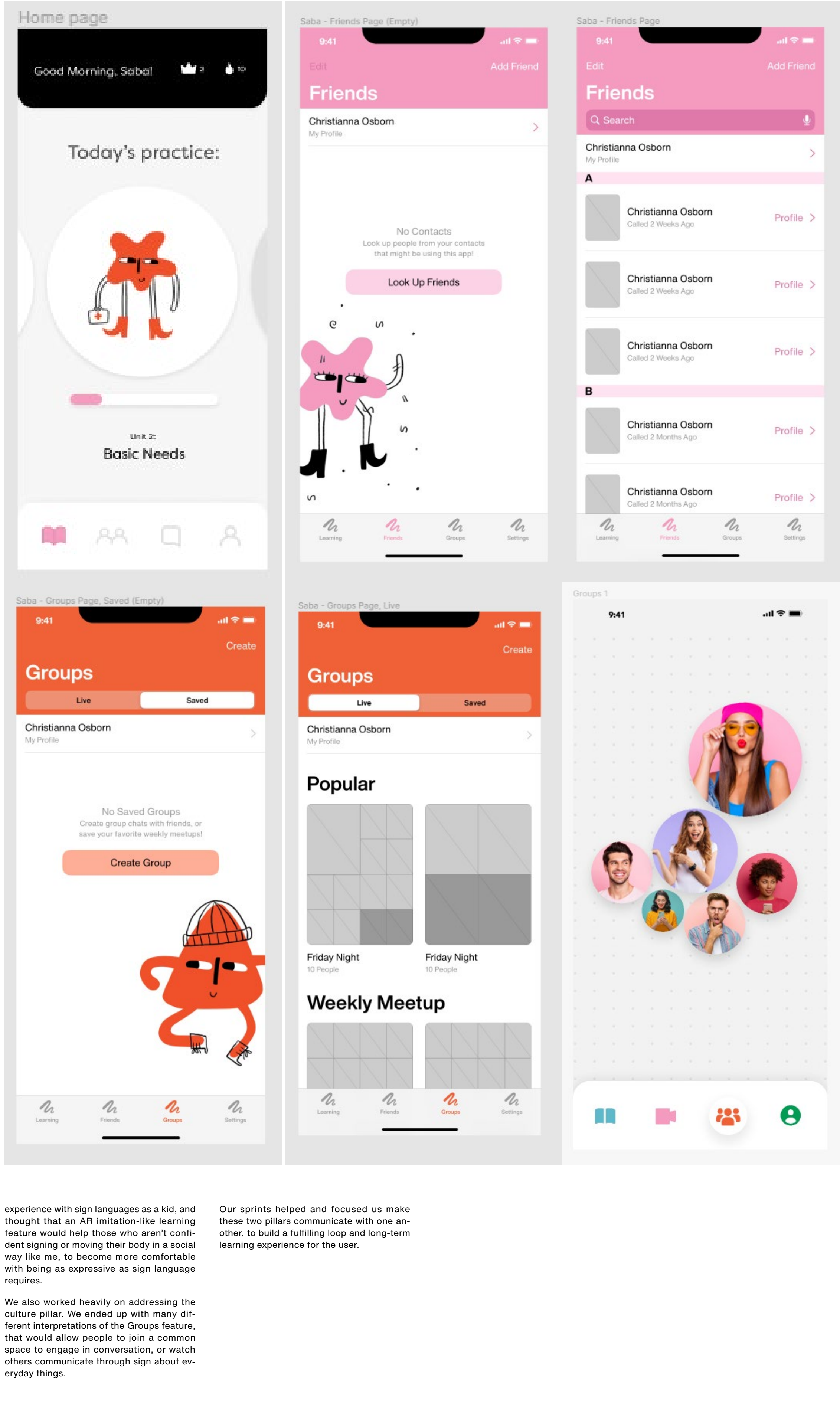


Today's lesson:



language skills

FINAL PRESENTATION: Now as it's fun to socialize and make friends, this creates a loop that is intrinsically motivating to a learner. Allowing them to develop their language skills



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