

“**Late into the night**, each fending off dinner-hunger with snacks, **50 people** crammed into 40 chairs and paid homage to... their **five cautious TAs.**”

Liam Kinney, *The Stanford Daily*



SkillSwap

The best teachers are your peers

Who We Are



Dana



Crystal



Brad



Clay

Overview

- What is the problem?
- What is our solution?
- How do we make our solution real?

The Problem

People have topics that they want to learn, but too many barriers to connect with teachers.

Existing Solutions

In-person: Crowded, costly,
and constricted

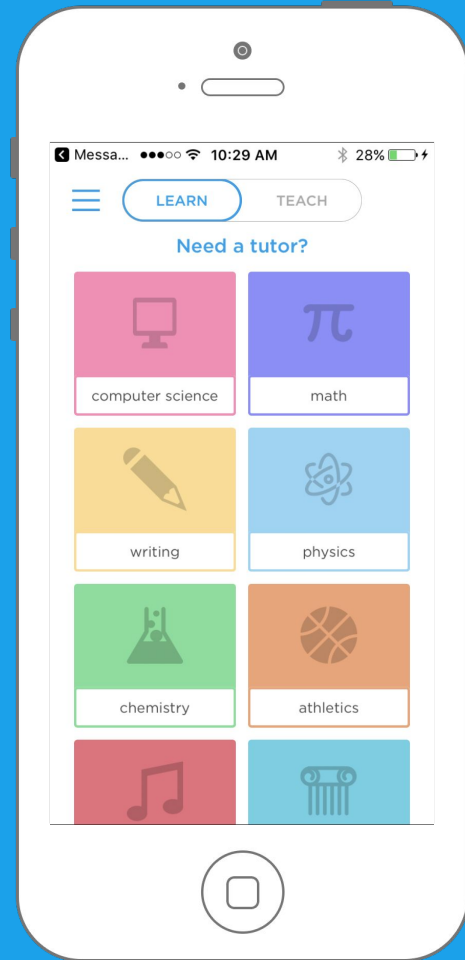
- Office Hours
- Tutors
- Friends

Online: Impersonal and
incomprehensible

- E-mail
- Piazza
- Course Hero

Our Solution

Form a network of students helping each other with instant, face-to-face learning.

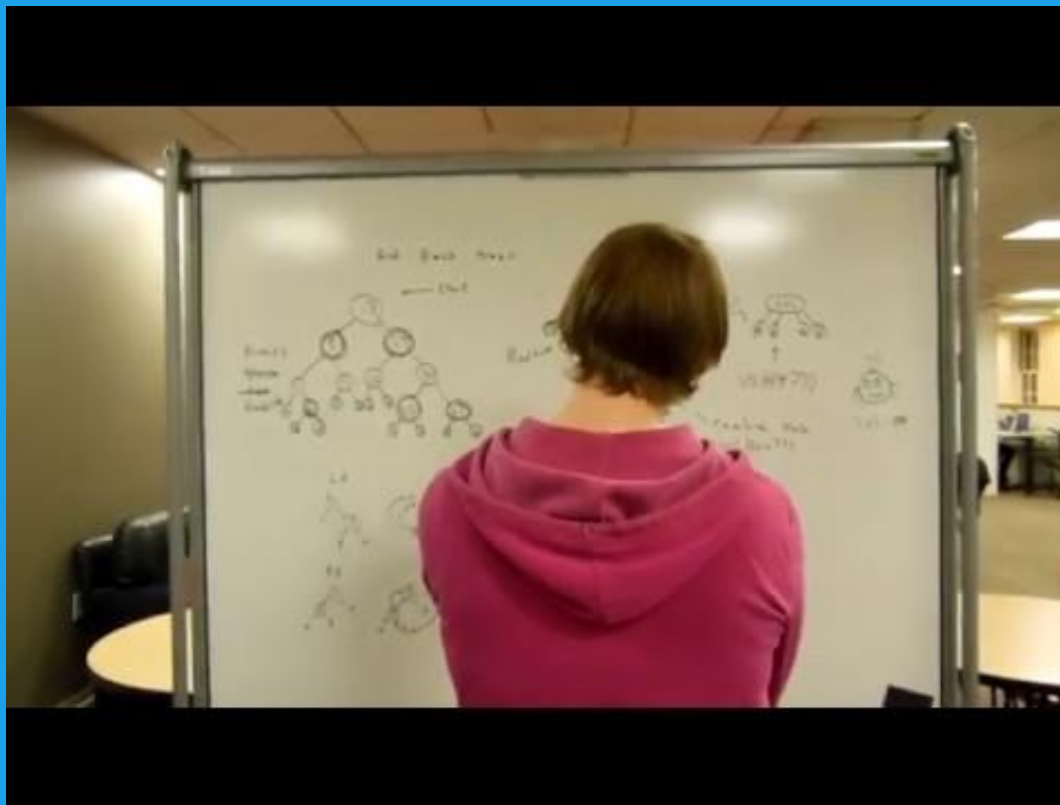


All You Pay is Your Time

- Credits = minutes
- Start with 30 minutes
- Encourages teaching



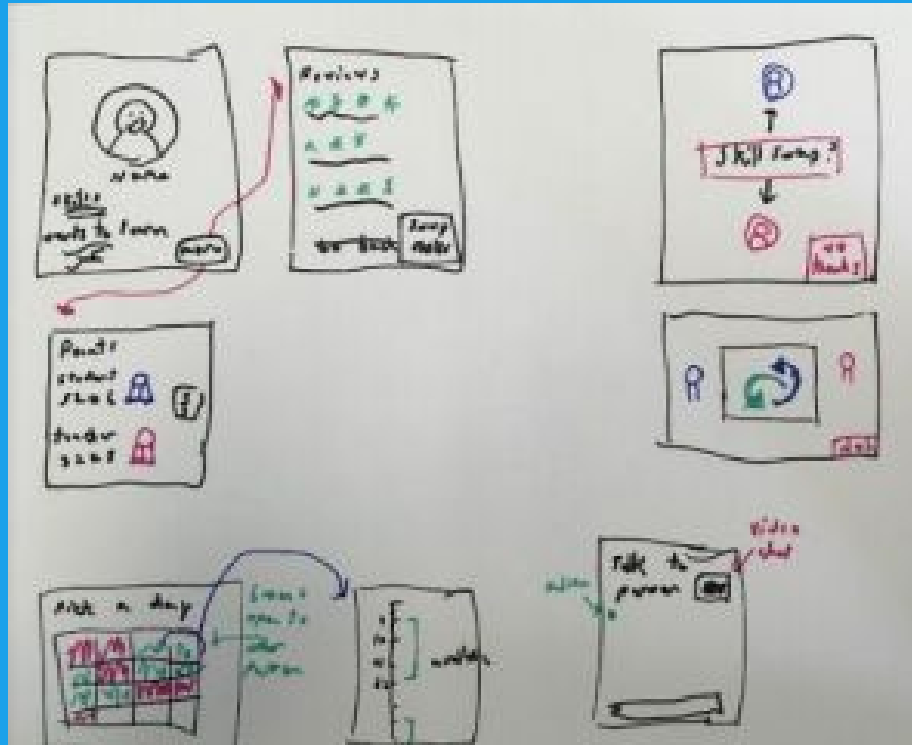
Concept Video



Early Iterations

CS147, Aut 2016

Initial Design



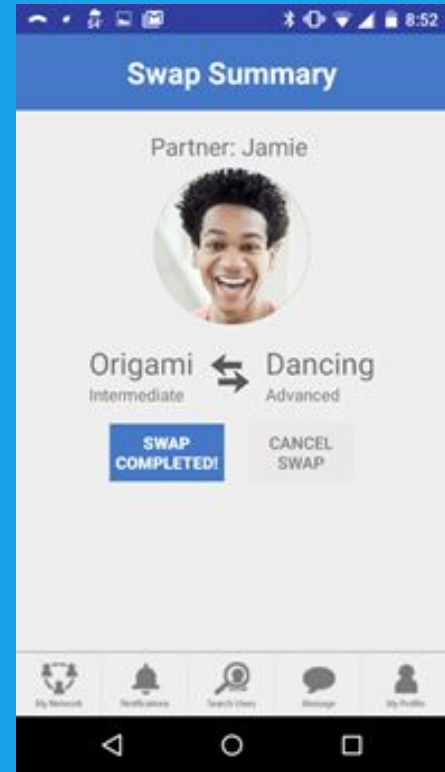
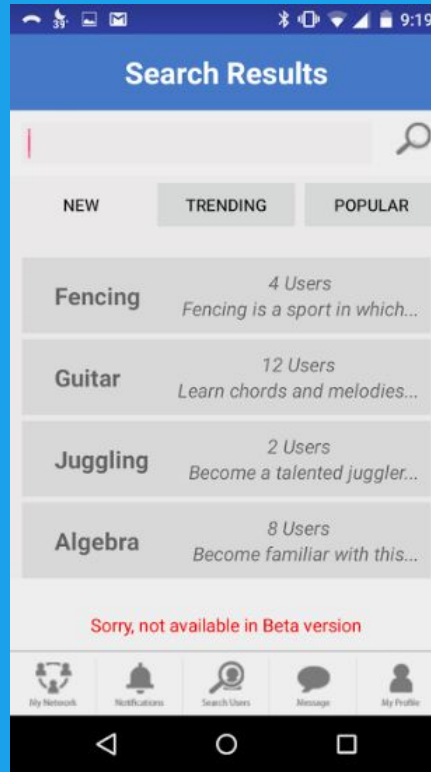
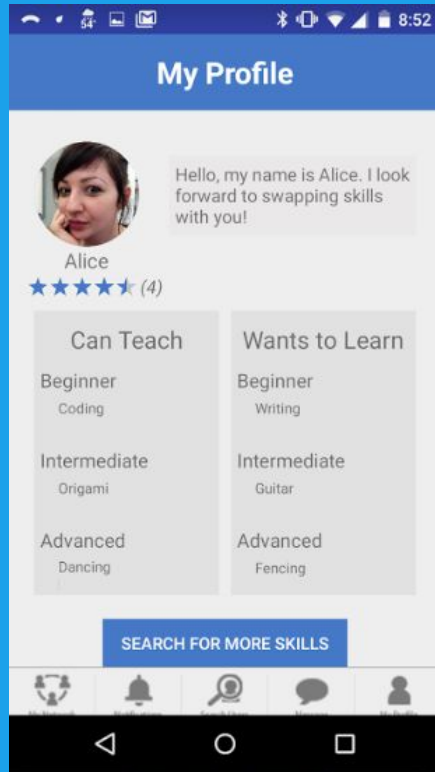
Initial Design

Teaching Staff Feedback:

- Visual overhaul needed
- Difficult to navigate
- Didn't feel like a mobile app



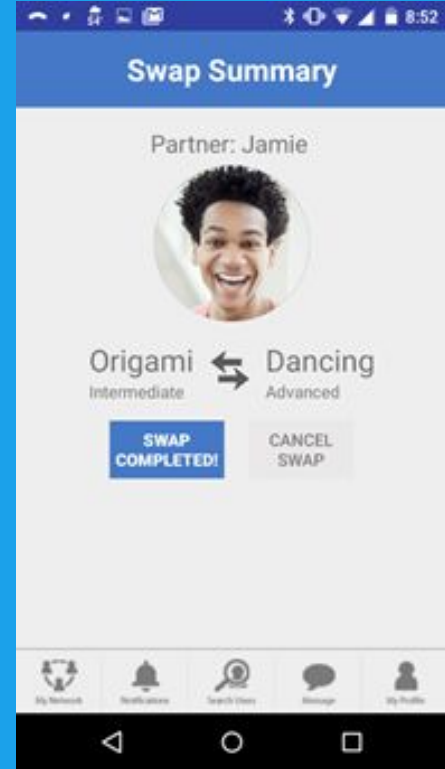
First Hi-Fi Prototype



First Hi-Fi Prototype

User Lab Study Feedback:

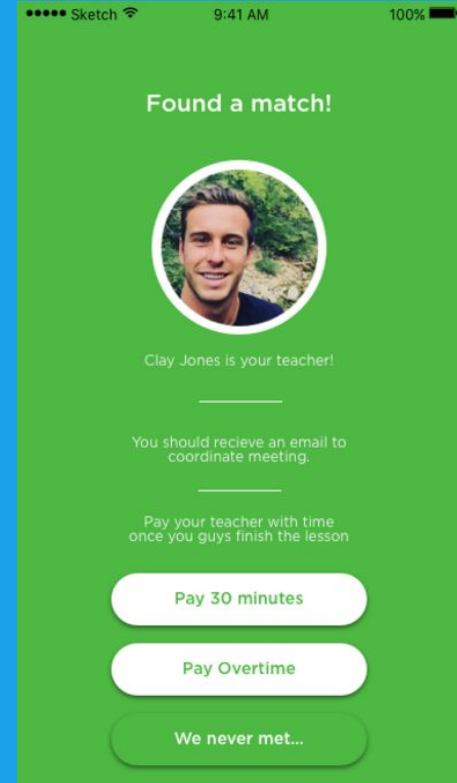
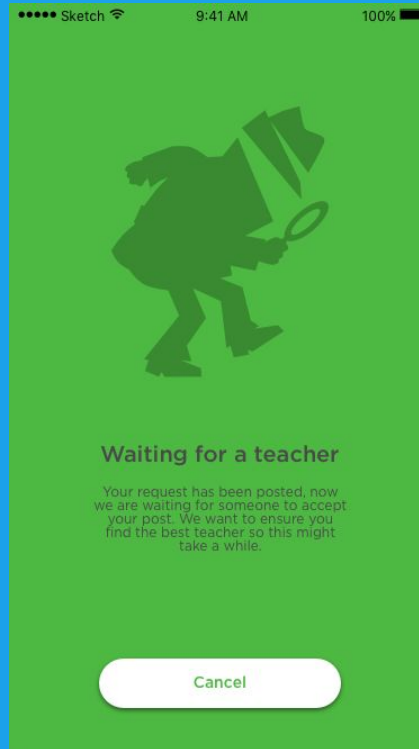
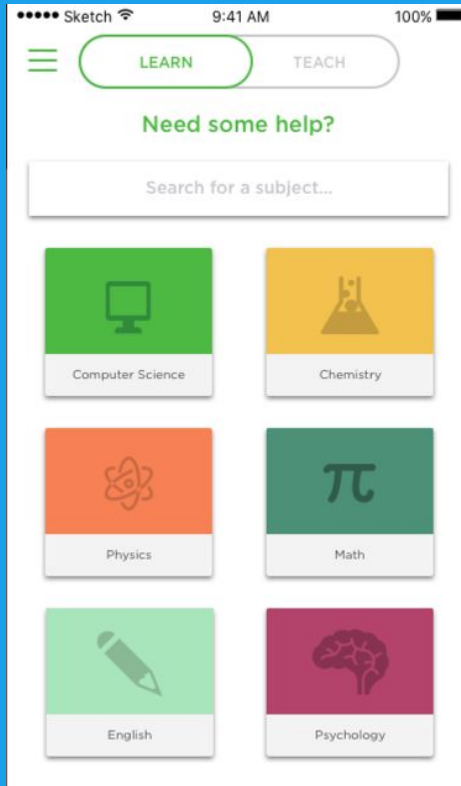
- Chances of matching were low
- Involved too much planning
- “Seems cool, but I don’t have time”



Recent Iterations

CS194H, Win 2017

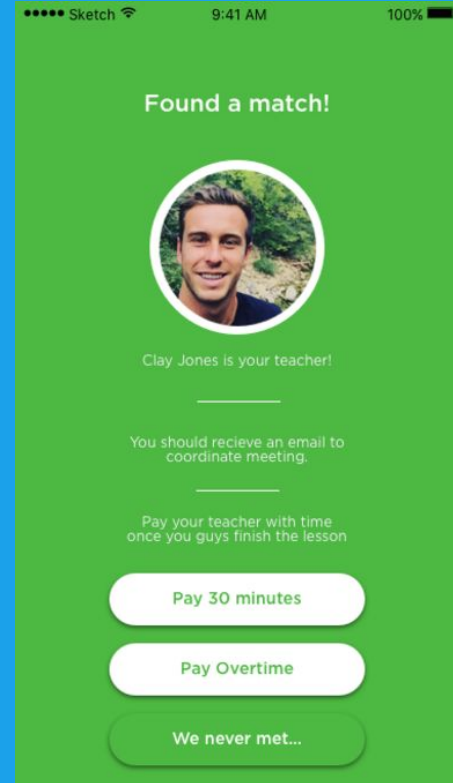
Major Pivot



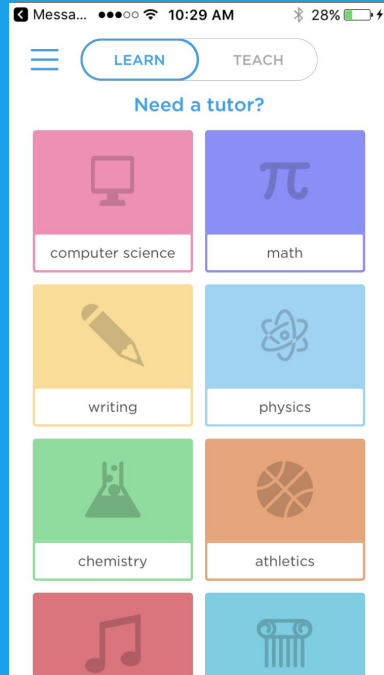
Major Pivot

User Lab Study Feedback:

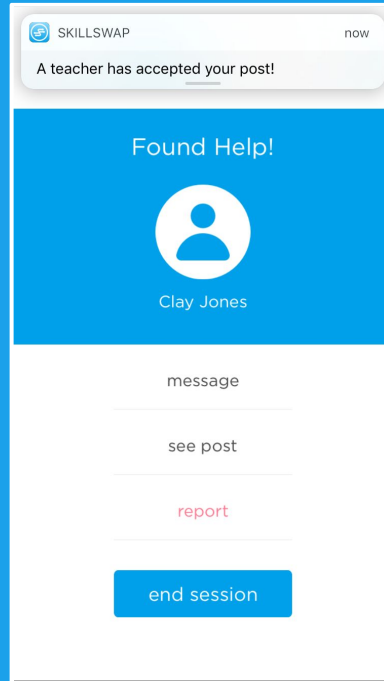
- Creeper Factor
- Time payment system too rigid
- Hard to keep track of everything



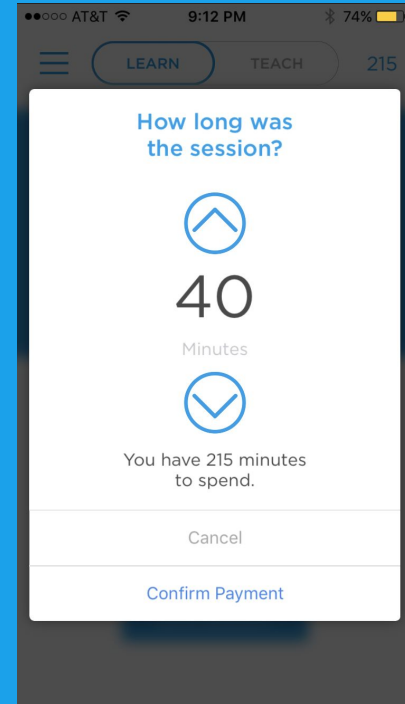
Current Version



Learn

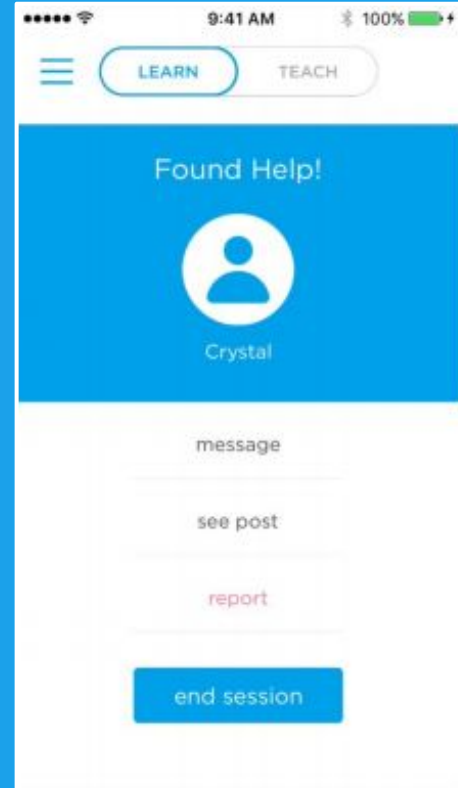
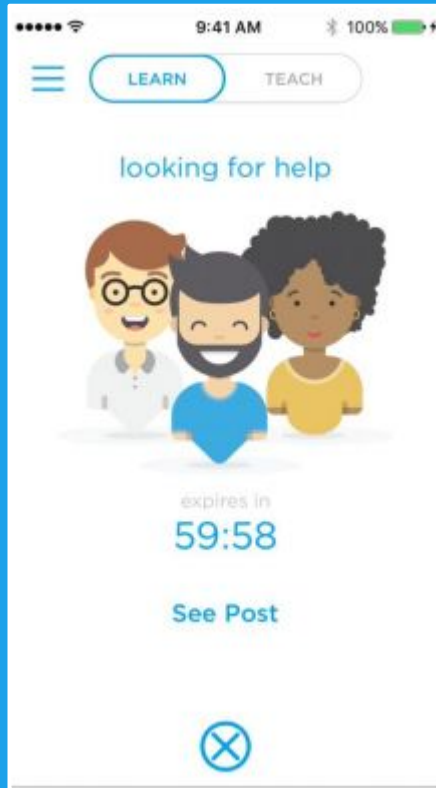
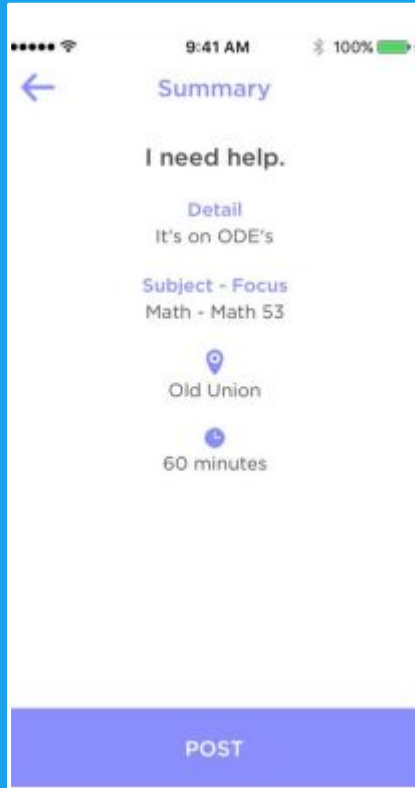


Teach

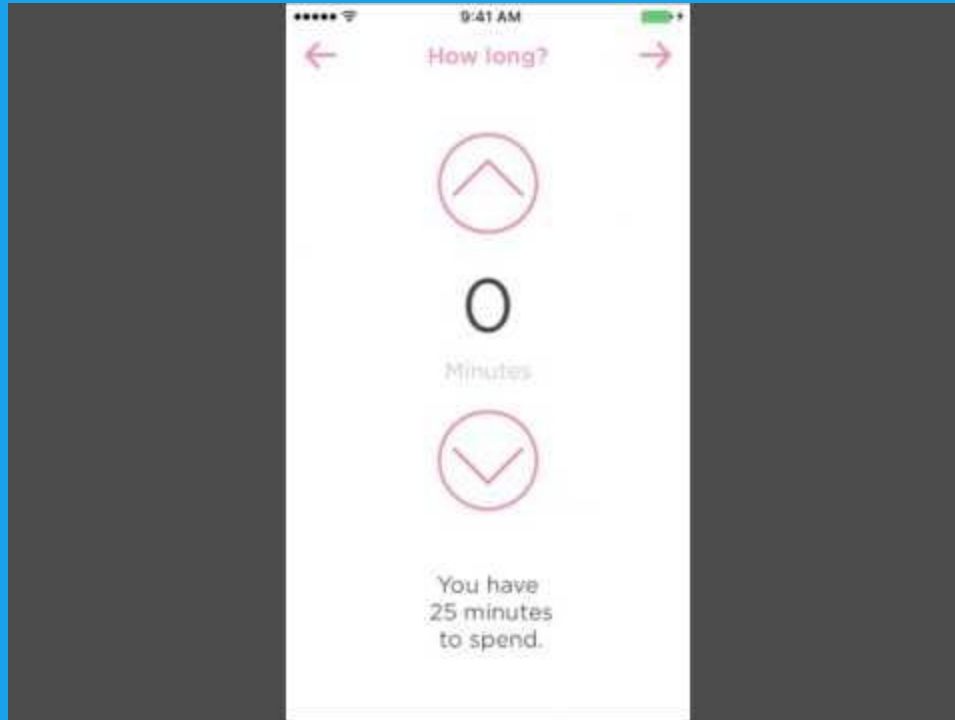


Manage Payments

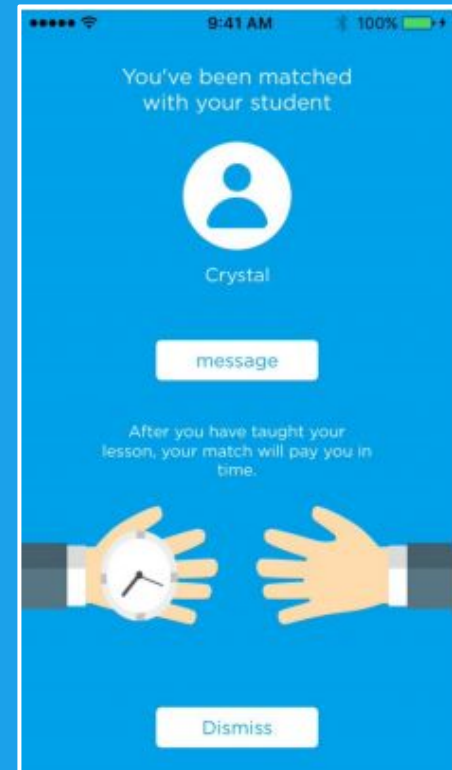
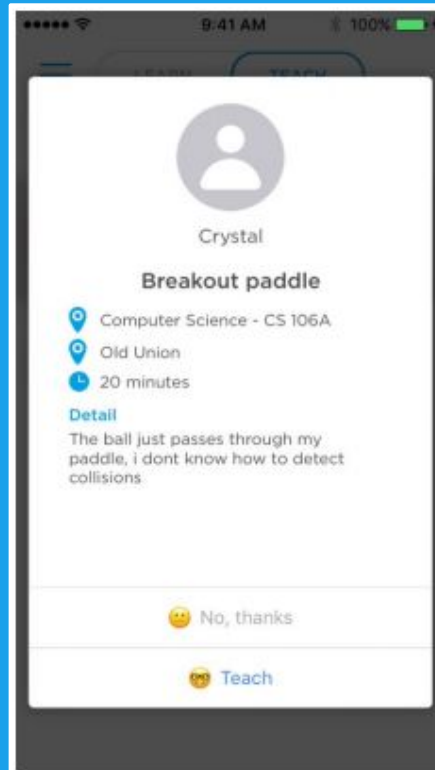
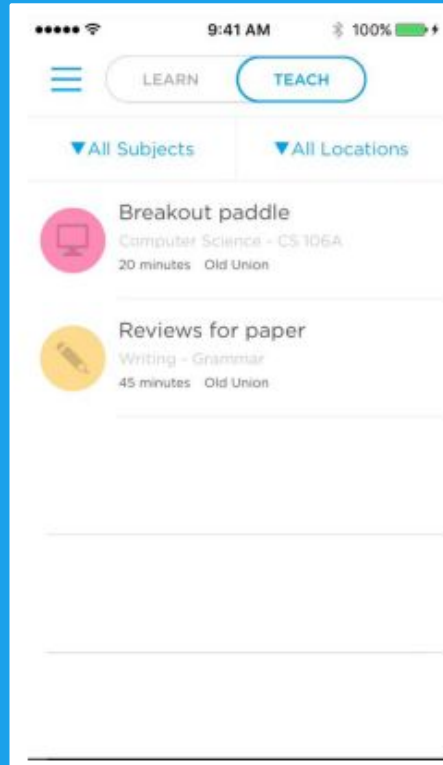
Task 1: Find a Skill and Send a Request



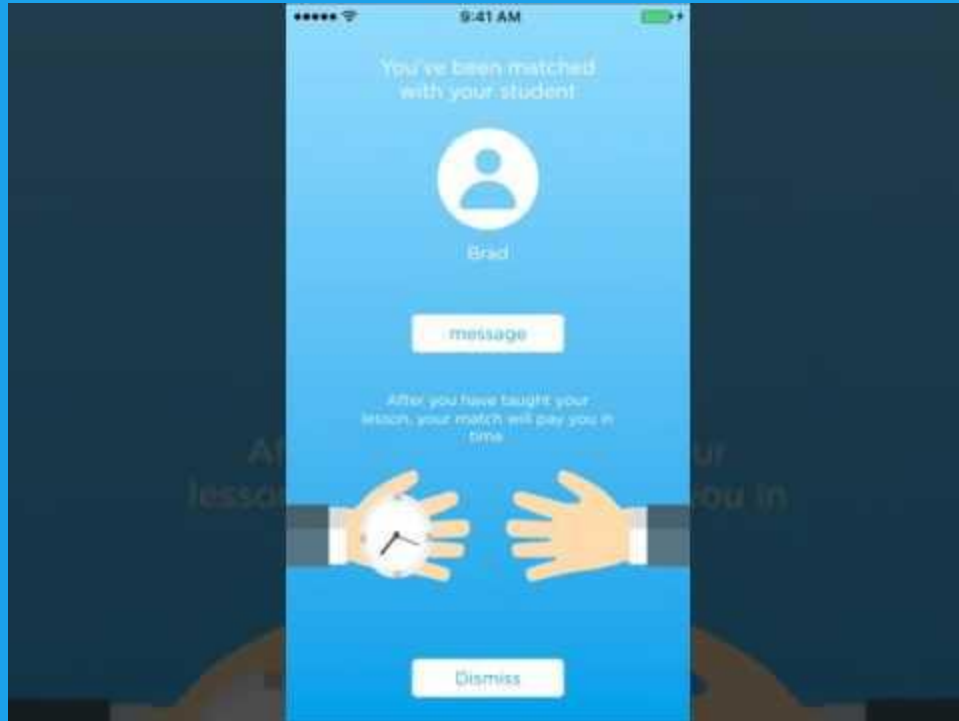
Task 1: Find a Skill and Send a Request



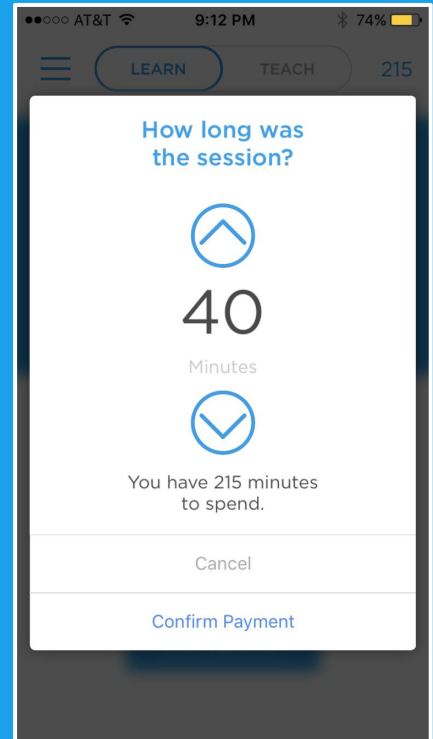
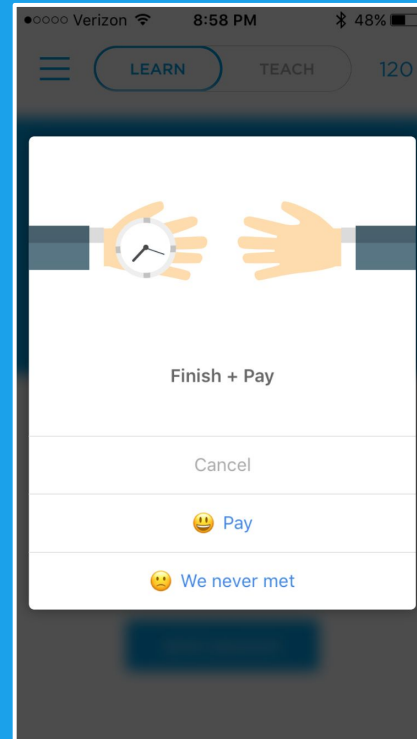
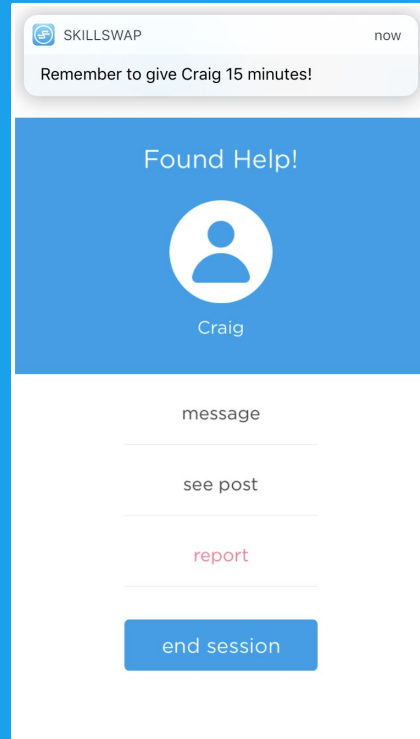
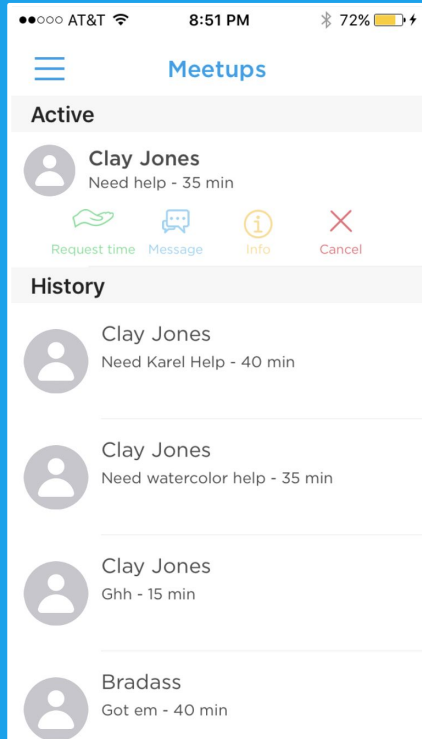
Task 2: Match with Someone and Teach a Skill



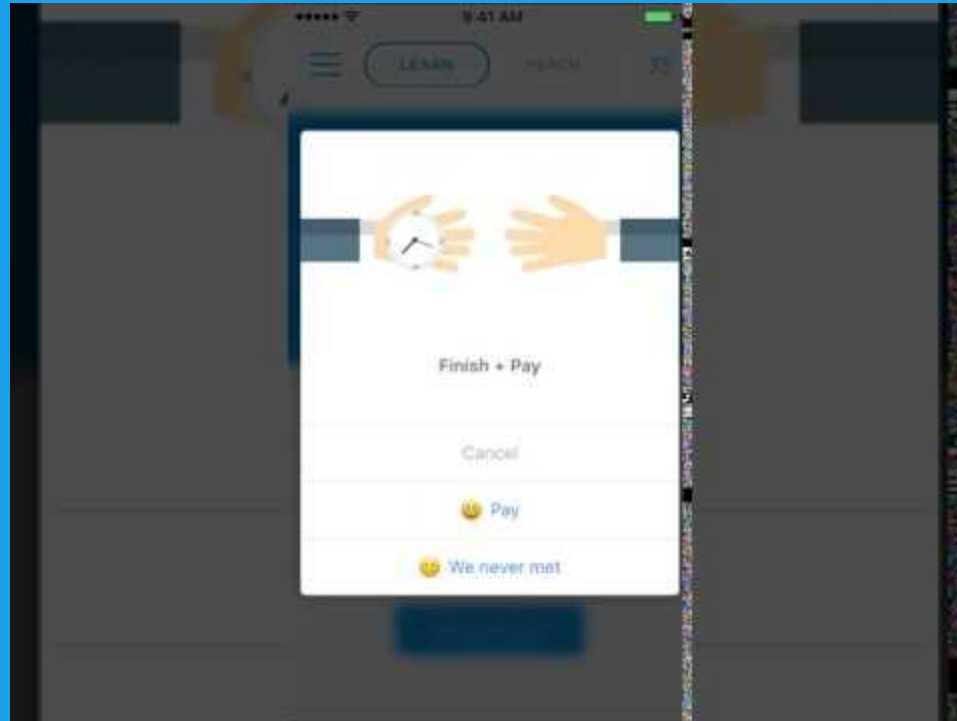
Task 2: Match with Someone and Teach a Skill



Task 3: Manage Payments



Task 3: Manage Payments



Implementation

Front End

- iOS 10 - Swift
- Digits by Twitter Authentication
- Apple Push Notifications
- iMessage integration



Server

- NodeJS/Express hosted at Heroku
- Postgres Database
- RESTful API



HEROKU

Ideas for Future Enhancements

- Buying minutes
- User-created tags
- Karma system
- User profiles



Summary

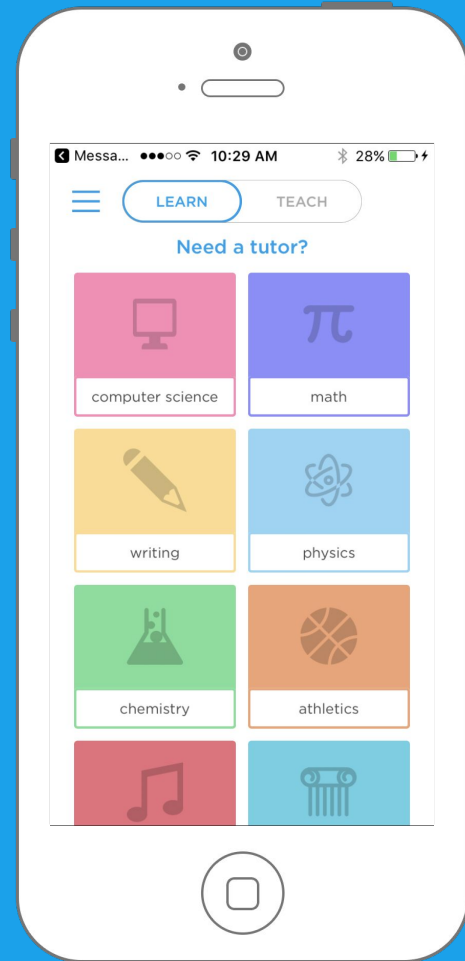
If you want help that is...

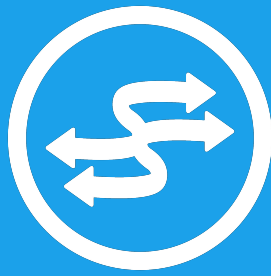
Fast,

Face-to-Face, and

Free

... use SkillSwap!





Download SkillSwap on the App Store!