

LIME

LOW INCOME & MINORITIES IN EDUCATION

# OVERVIEW

TEAM MISSION STATEMENT

SELECTED INTERFACE & RATIONALE

LOW-FI PROTOTYPE STRUCTURE

3 TASKS & TASK FLOWS SHOWN CARRYING OUT EACH TASK W/ LOW-FI

EXPERIMENTAL METHOD

EXPERIMENTAL RESULTS

SUGGESTED UI CHANGES

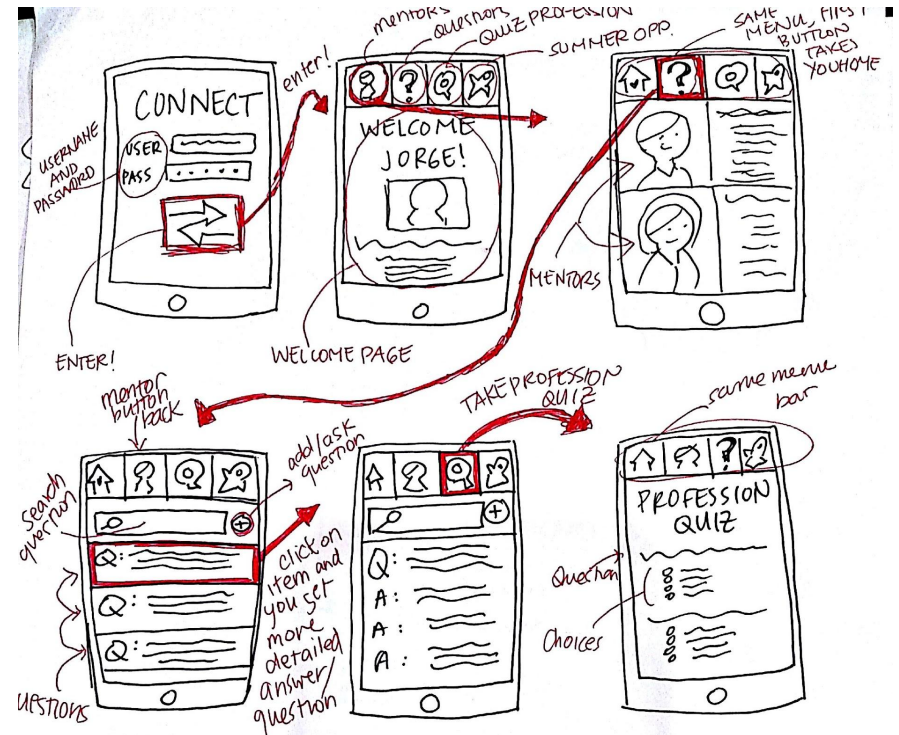
SUMMARY OF TALK

# TEAM MISSION STATEMENT

MAKING STEM ACCESSIBLE FOR LOW INCOME AND/OR  
MINORITY HIGH-SCHOOLERS

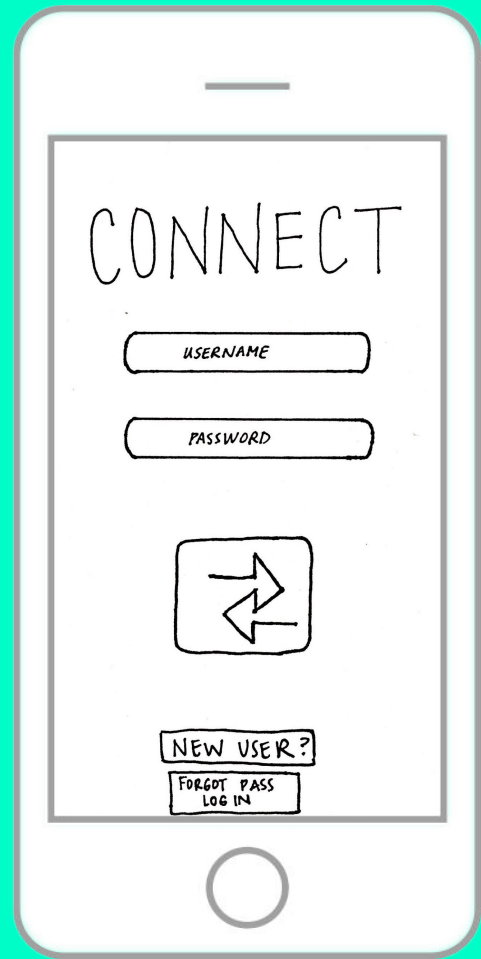
# SELECTED INTERFACE AND RATIONALE

- MOBILE/WEB APP
- RATIONALE:
  - EASY AND ACCESSIBLE FOR TARGET DEMOGRAPHIC;
  - FAMILIARITY WITH COMPUTERS AND MOBILE DEVICES



# TASK #1 - DISCOVER SUITABLE CAREERS

1) STUDENTS DISCOVER WHICH CAREERS  
MIGHT SUIT THEM THROUGH  
AUTOMATIC RECOMMENDATIONS FROM  
CAREER QUIZZES.



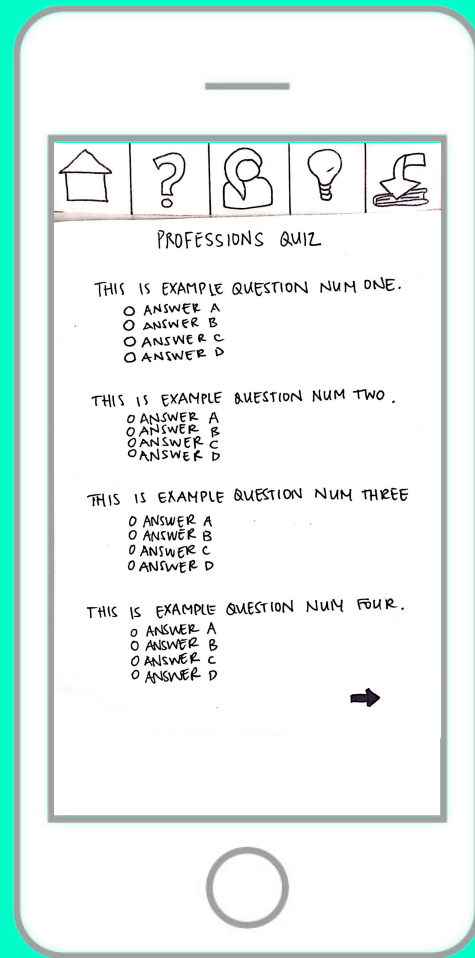
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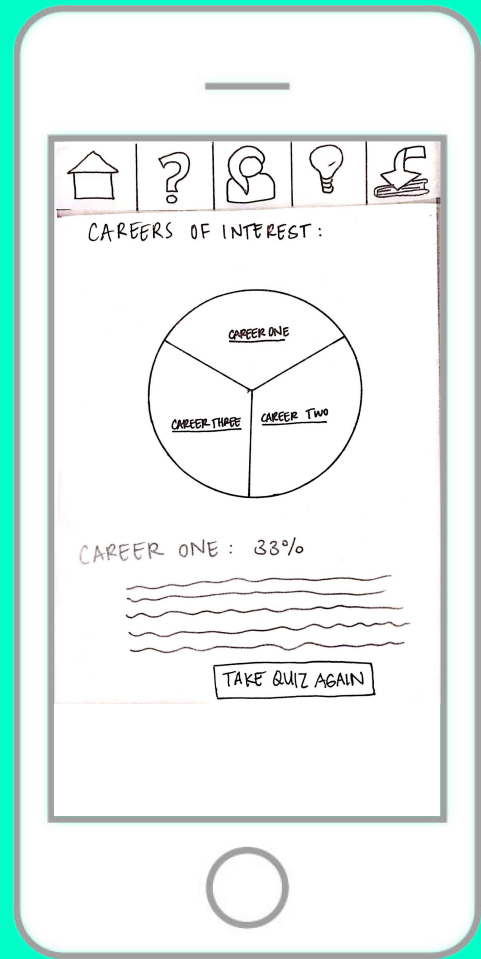
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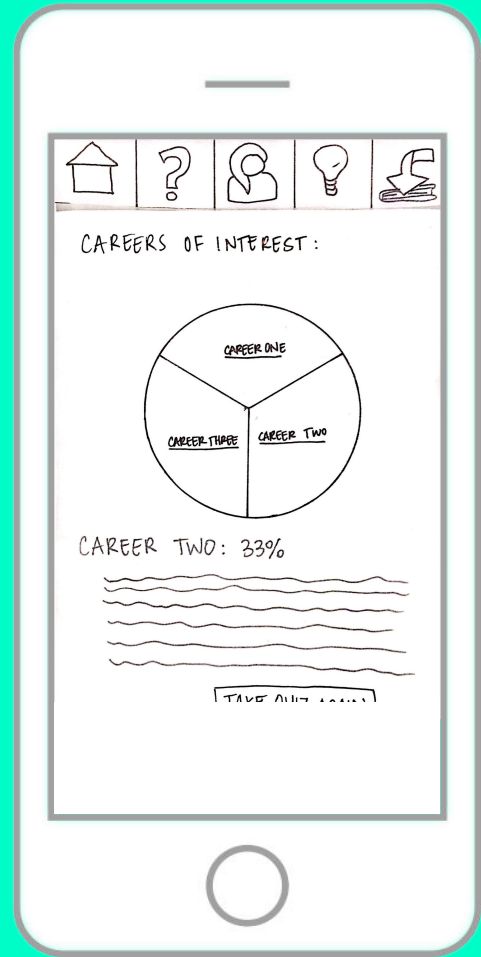
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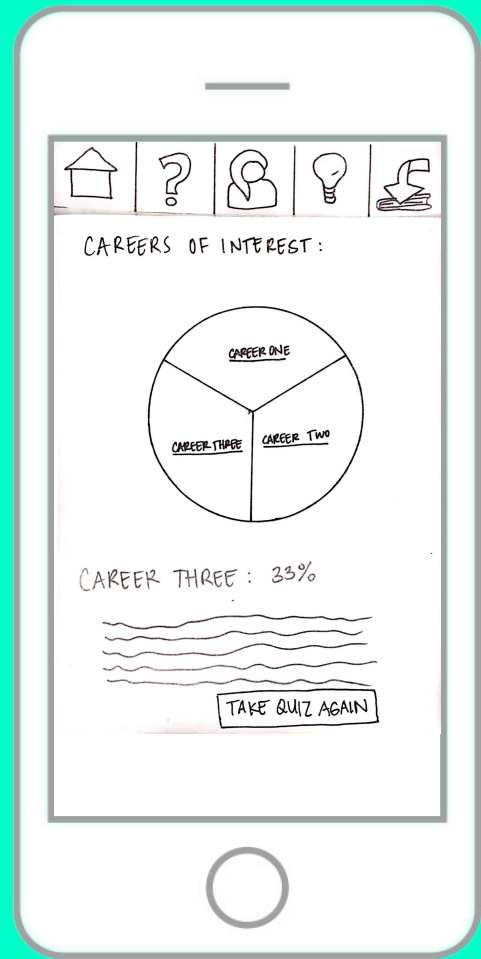
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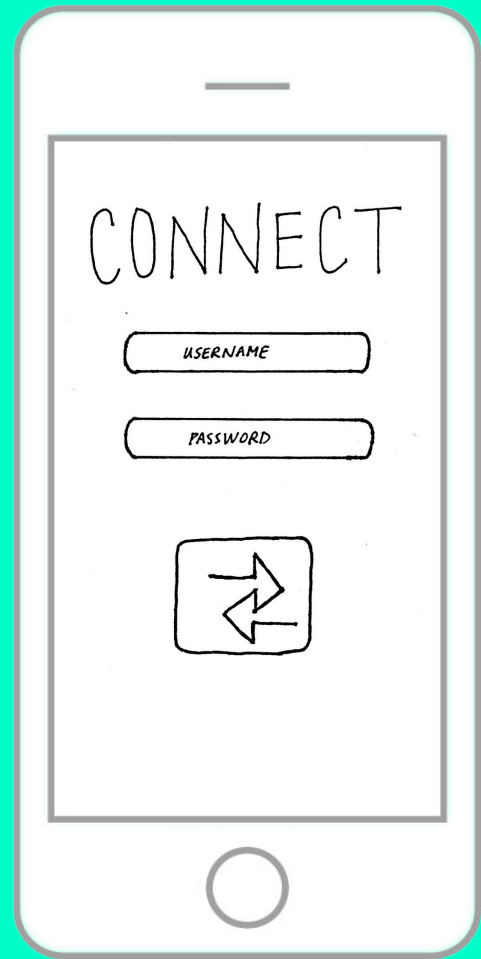
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2) STUDENTS CONNECT WITH MENTORS WHOM THEY CAN RELATE TO (WITH COMMON VALUES AND/OR BACKGROUND) IN THE DESIRED CAREER FIELD.



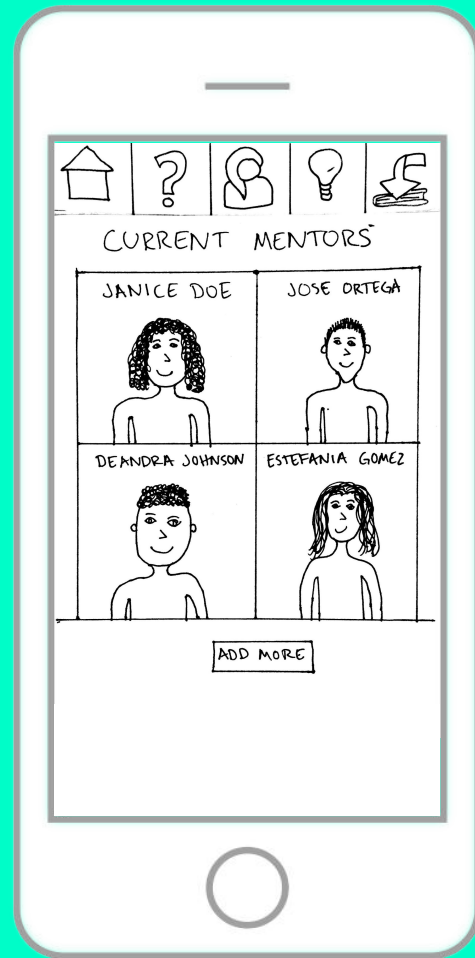
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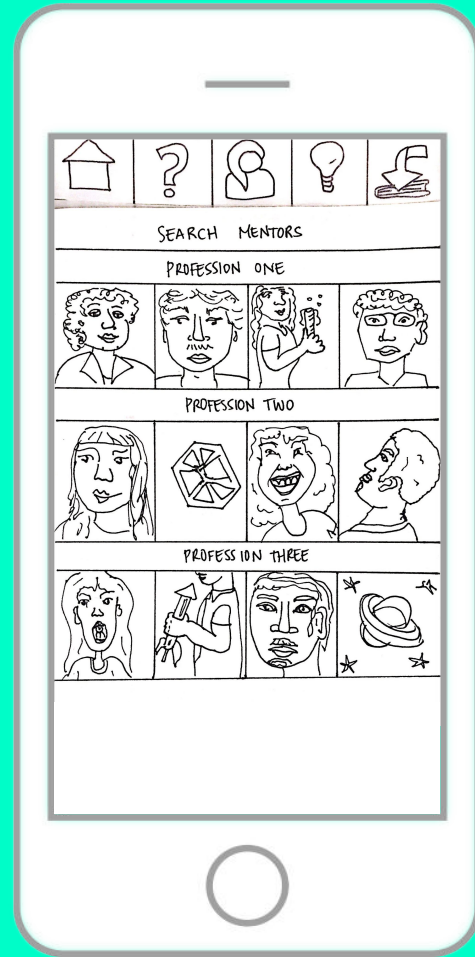
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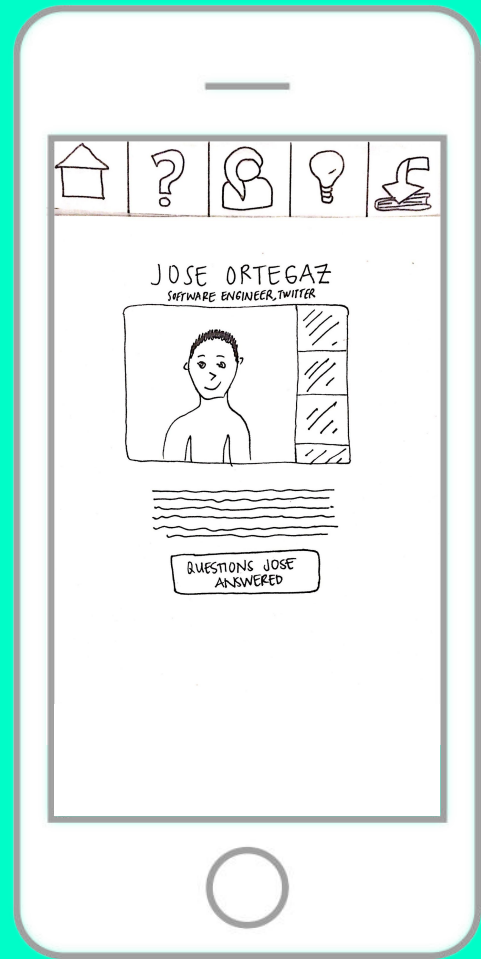
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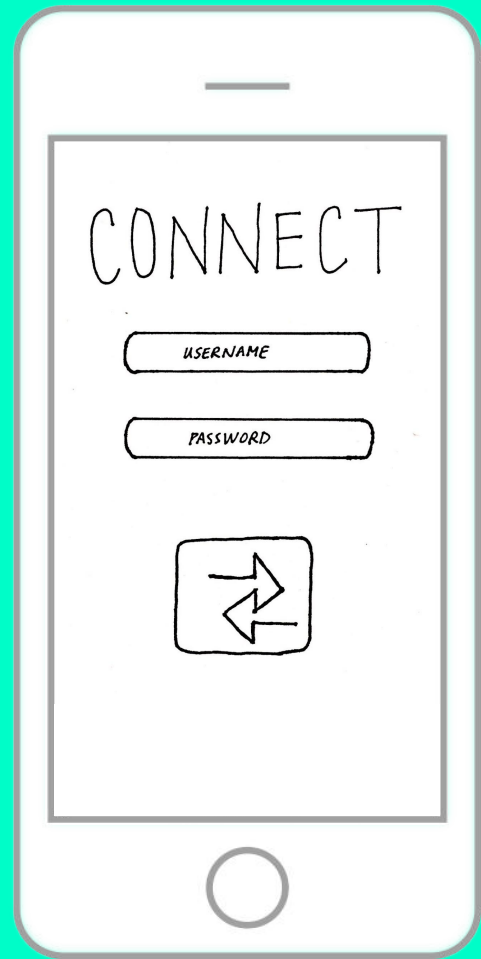
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# TASK #3- DISCOVER SUMMER PROGRAM OPPORTUNITIES

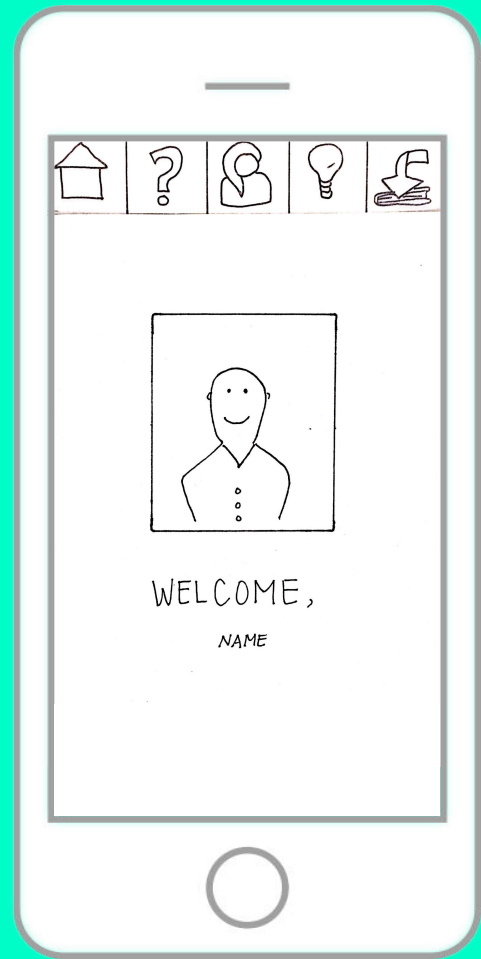
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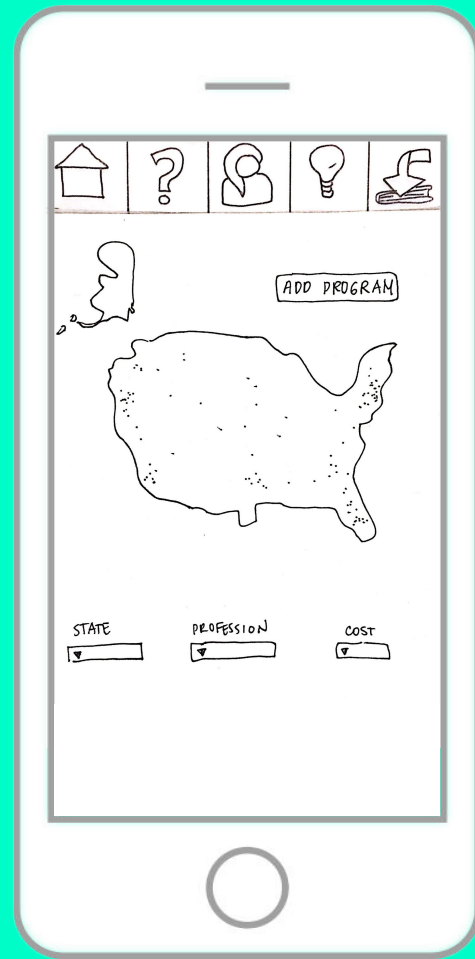
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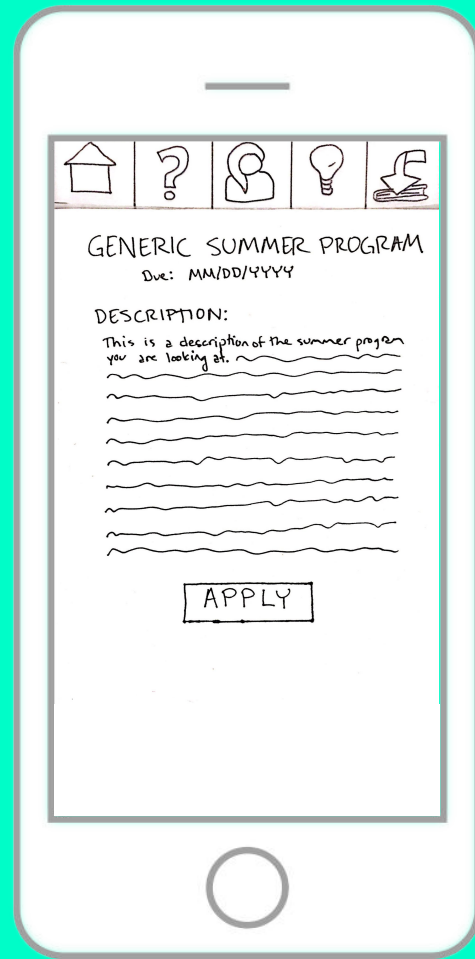
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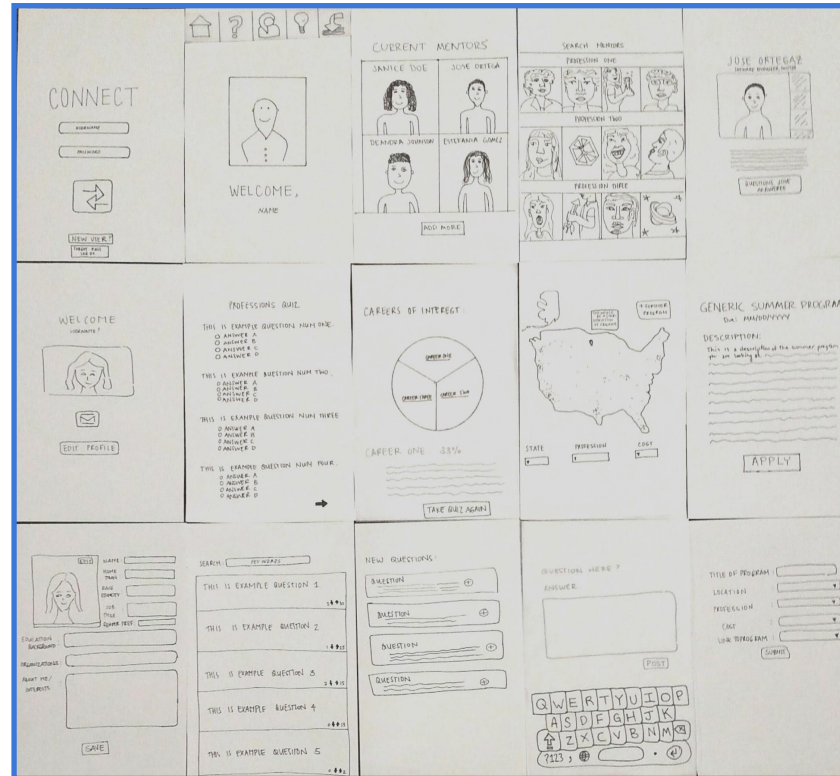


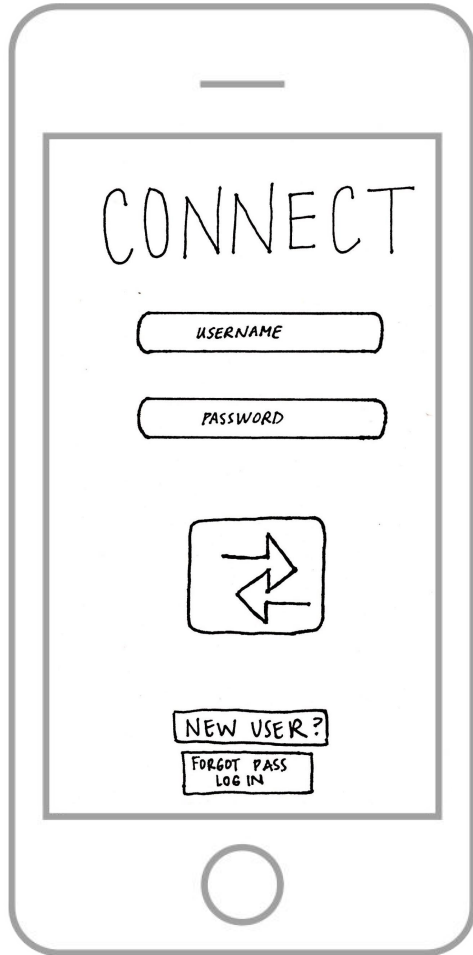
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# LO-FI PROTOTYPE STRUCTURE





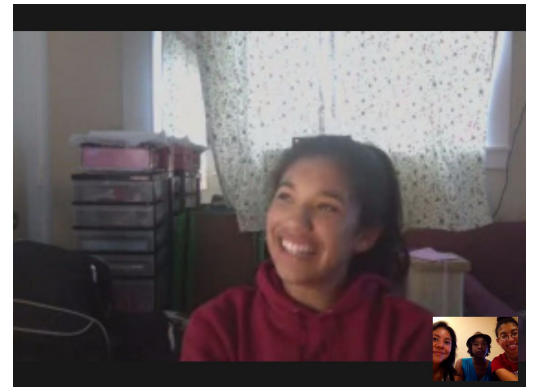
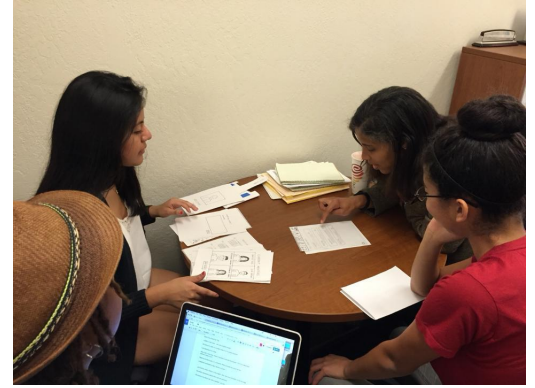
# EXPERIMENTAL METHOD

- INTERVIEWED FIVE USERS IN QUIET & DIVERSE ENVIRONMENTS
- SEPARATE TASKS AND TASK FLOWS FOR DIFFERENT USERS
- PROCEDURE :
  - FACILITATOR INTRO
  - USER MONOLOGUE
  - SIMULATE COMPUTER
  - NOTE TAKING
- TEST MEASURES
  - NUMBER OF ERRORS
  - EASE OF USE

# EXPERIMENTAL RESULTS #1 - SMART USERS

PARTICIPANT ONE AND PARTICIPANT  
TWO FOUND THE APP INTUITIVE AND  
EASY TO USE

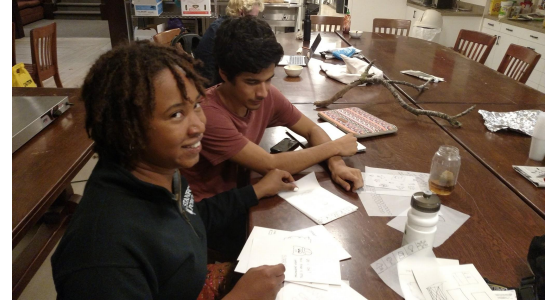
THEY MADE ONLY ONE ERROR



# EXPERIMENTAL RESULTS #2 - USERS WITH DIFFICULTIES

PARTICIPANT THREE AND  
PARTICIPANT FOUR FOUND THE  
APPLICATION CONFUSING AND HAD  
MAJOR DIFFICULTIES IN USING IT

4 ERRORS EACH





# SUGGESTED UI CHANGES

- HAVE DIFFERENT BUTTONS/FUNCTIONALITY FOR MENTORS VS MENTEES (E.G., DON'T LET MENTORS ACCESS THE 'TAKE QUIZ' VIEW)
- CHANGE THE ICONS THAT ARE NOT INTUITIVE
- SEARCH MENTORS BY NAME
- ADD MAP ZOOM FUNCTIONALITY
- GIVING MENTORS THE ABILITY TO EDIT THEIR ANSWERS TO QUESTIONS AFTER POSTING THEM

# SUMMARY OF TALK

- CHOSE MOBILE WEB APP (FAMILIAR AND ACCESSIBLE TO TARGET DEMOGRAPHIC)
- TESTED 3 TASKS WITH 4 USERS
- CONTRADICTORY FEEDBACK FROM USERS -
  - SOME FOUND APP INTUITIVE
  - SOME FOUND IT CONFUSING
- SUGGESTIONS TO CHANGE UI ELEMENTS AND ADD FUNCTIONALITY
-