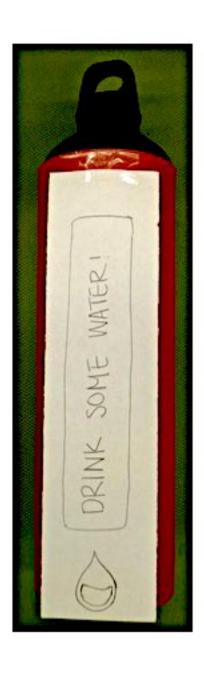


Overall Problem

- 60% of human body is water *
- People should drink eight 8-ounce glasses of water each day (8 × 8 rule) **
- People often forget to drink enough water
- Up to 75% of Americans suffer from chronic dehydration

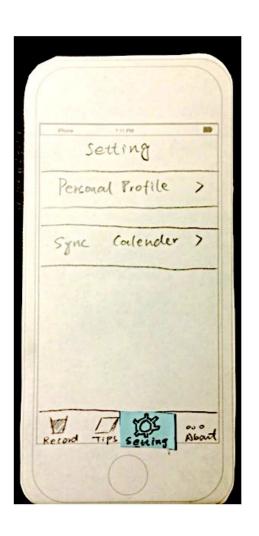
Smart Water Bottle

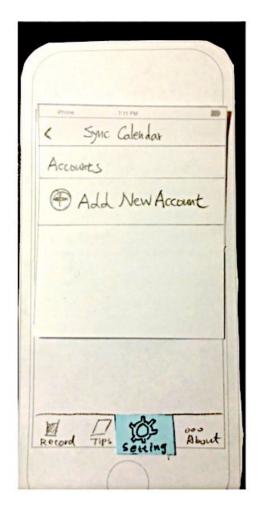






Task I - Set Up Smart Reminders











Task2 - Record Water Intake (1/2)



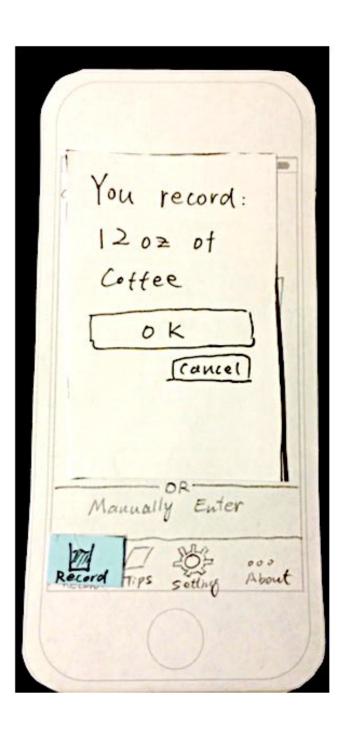




Task2 - Record Water Intake (2/2)







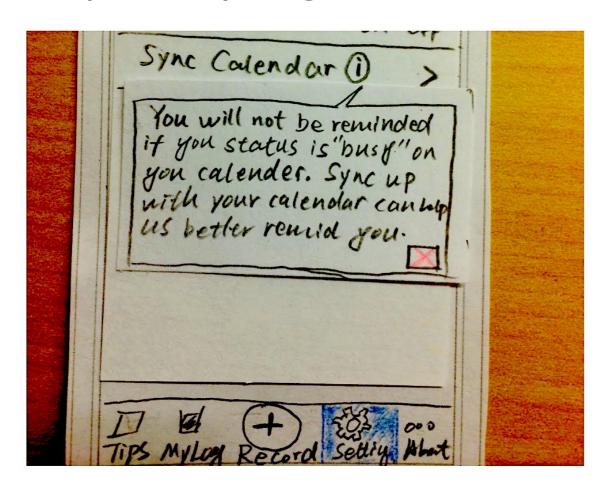
Heuristic Evaluation

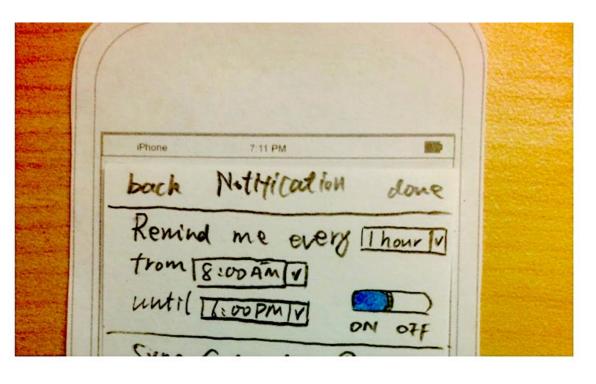
Main violations:

- Purpose of syncing calendar unclear
- Users don't have total control and freedom with the system
- Users don't have visibility of system status
- · Match between system and the real world is not good

Refinements after Heuristic Evaluation (1/2)

Purpose of syncing calendar unclear

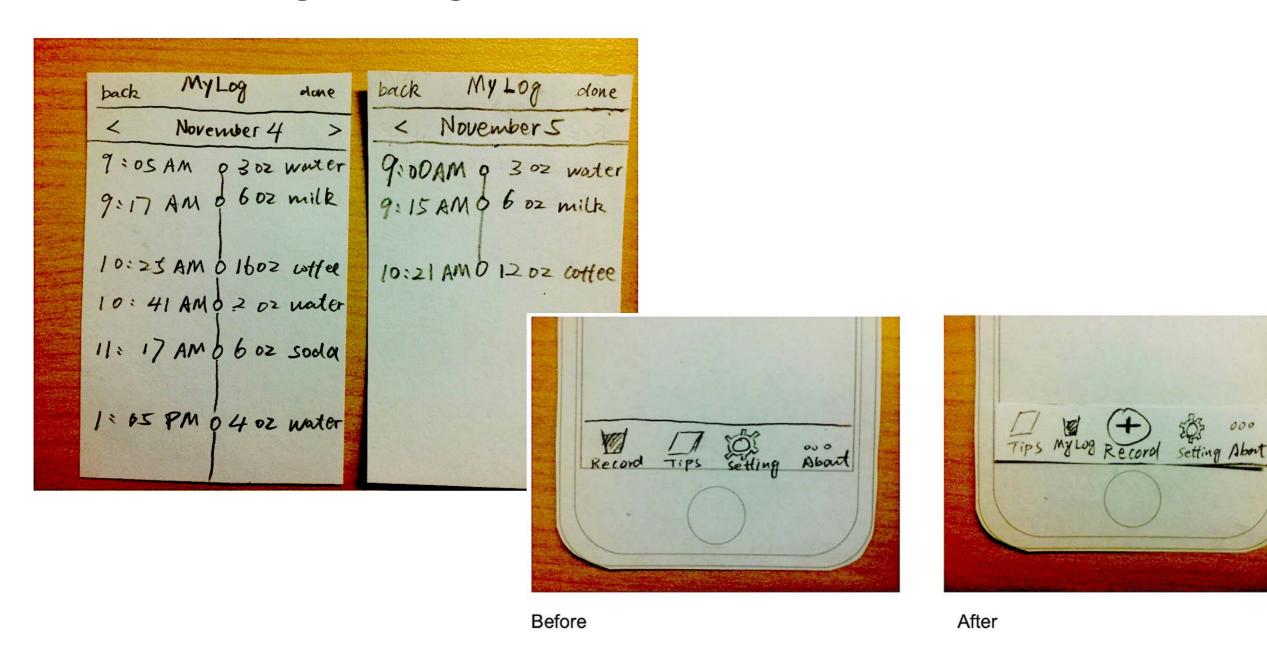




Missing default reminder setting

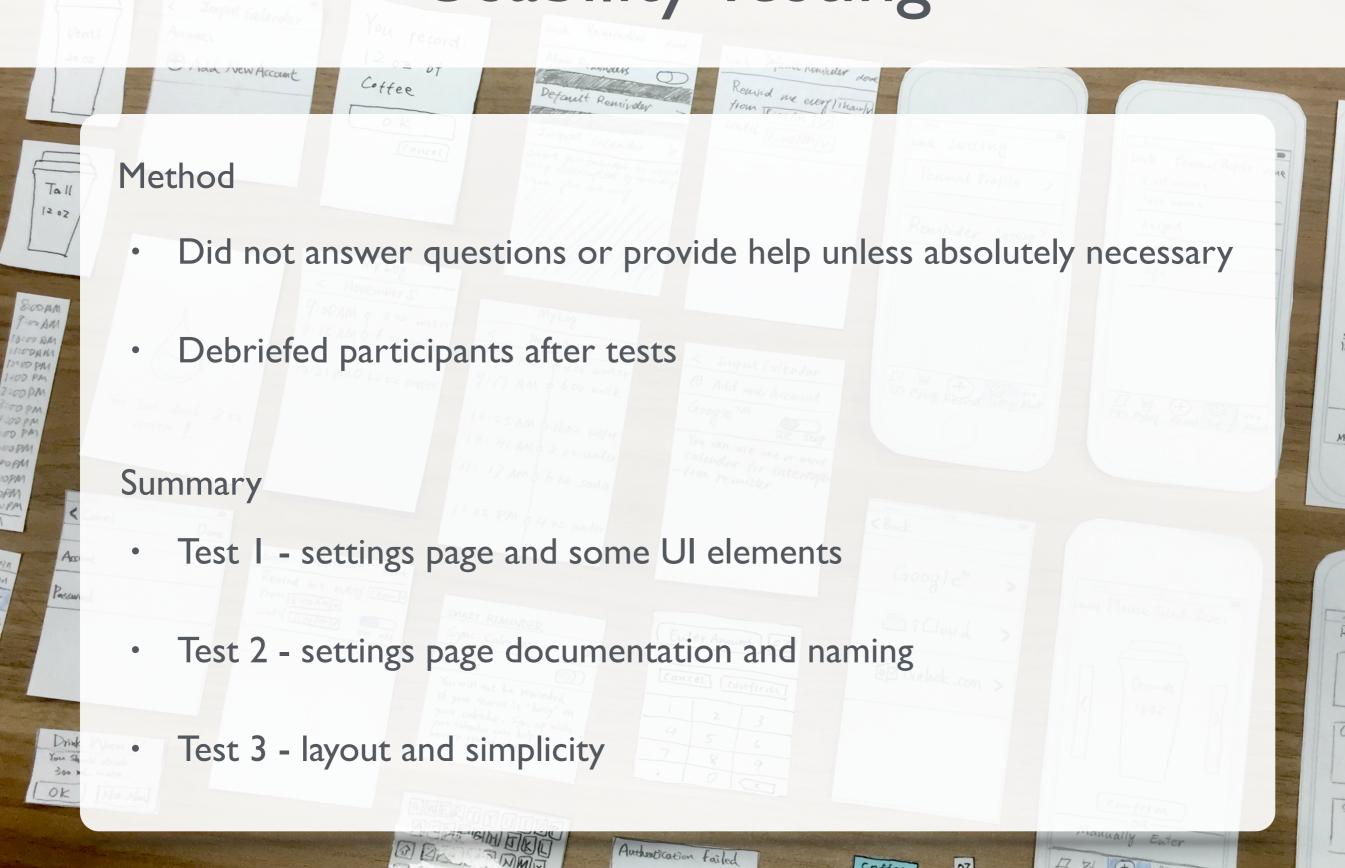
Refinements after Heuristic Evaluation (2/2)

Missing water log



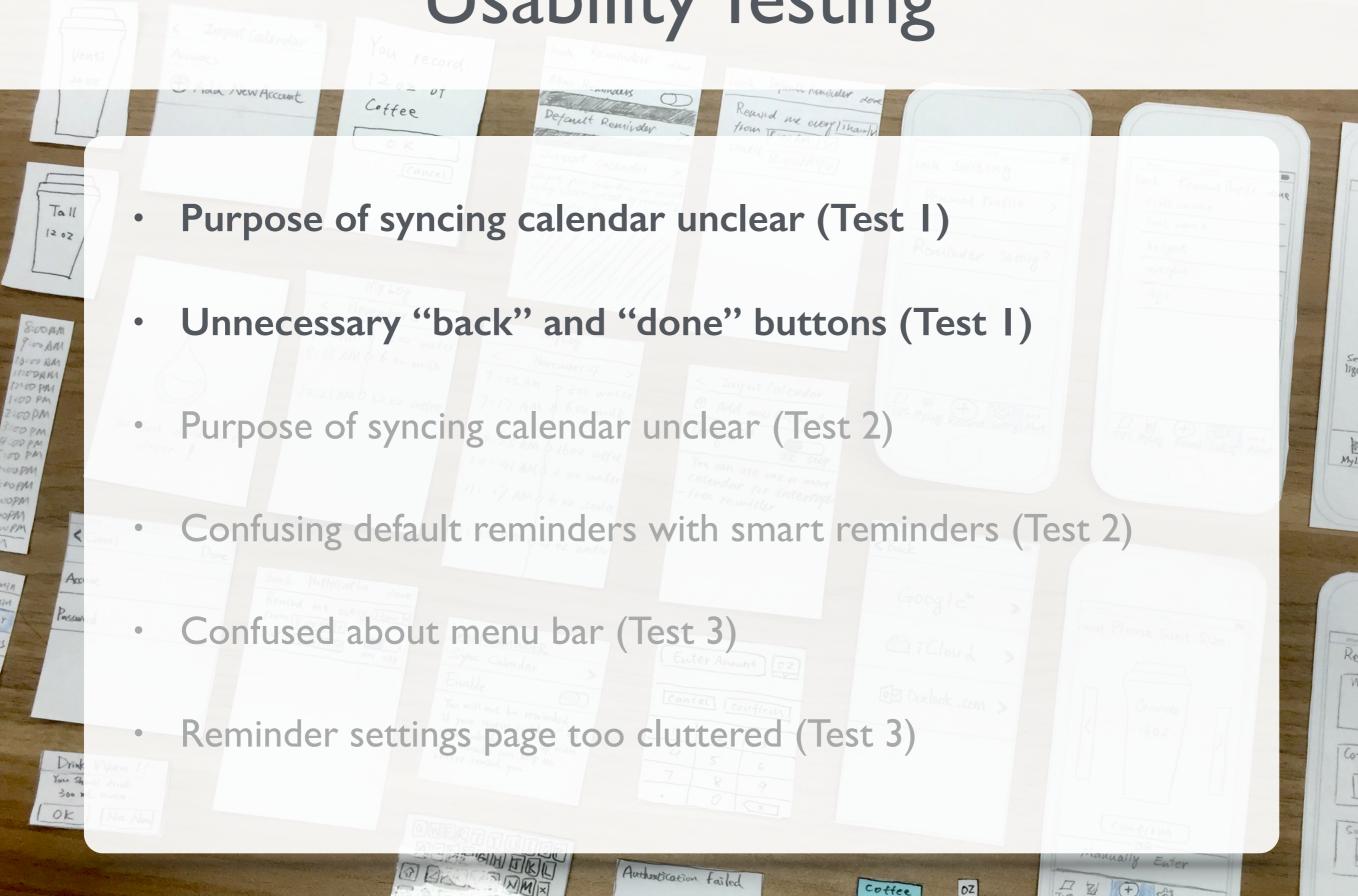
Menu design not match user behavior

Usability Testing



OK

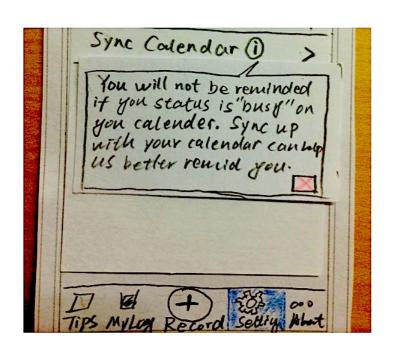
Usability Testing



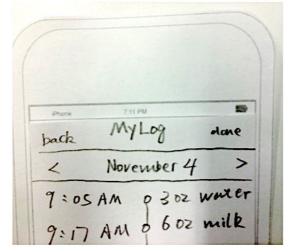
OK

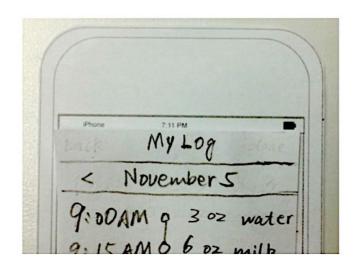
Refinements after Usability Testing I

Purpose of syncing calendar unclear



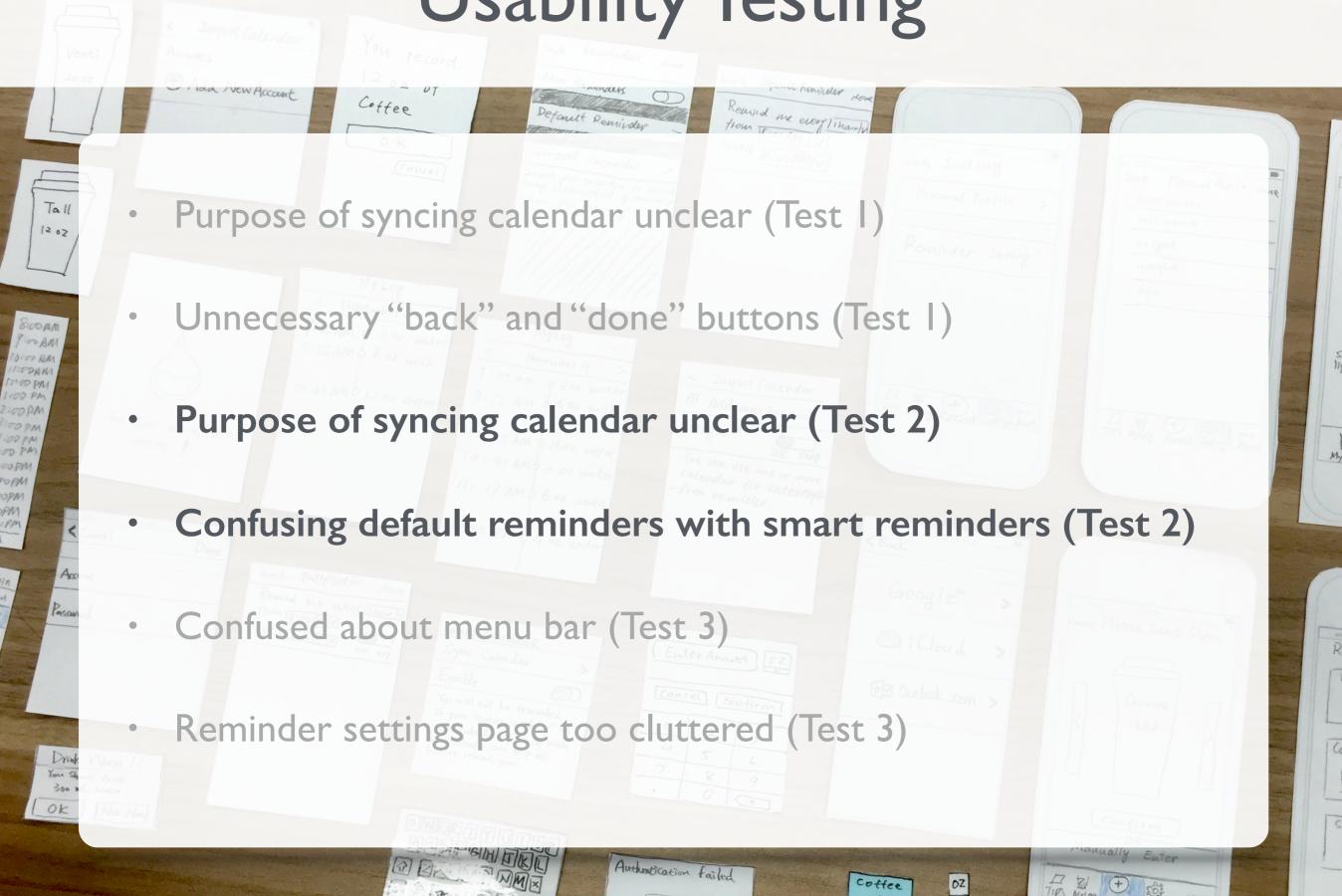






Unnecessary "back" and "done" buttons

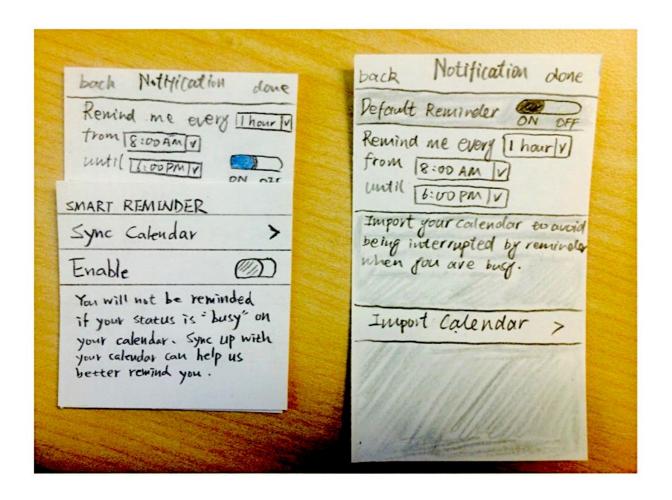
Usability Testing



OK

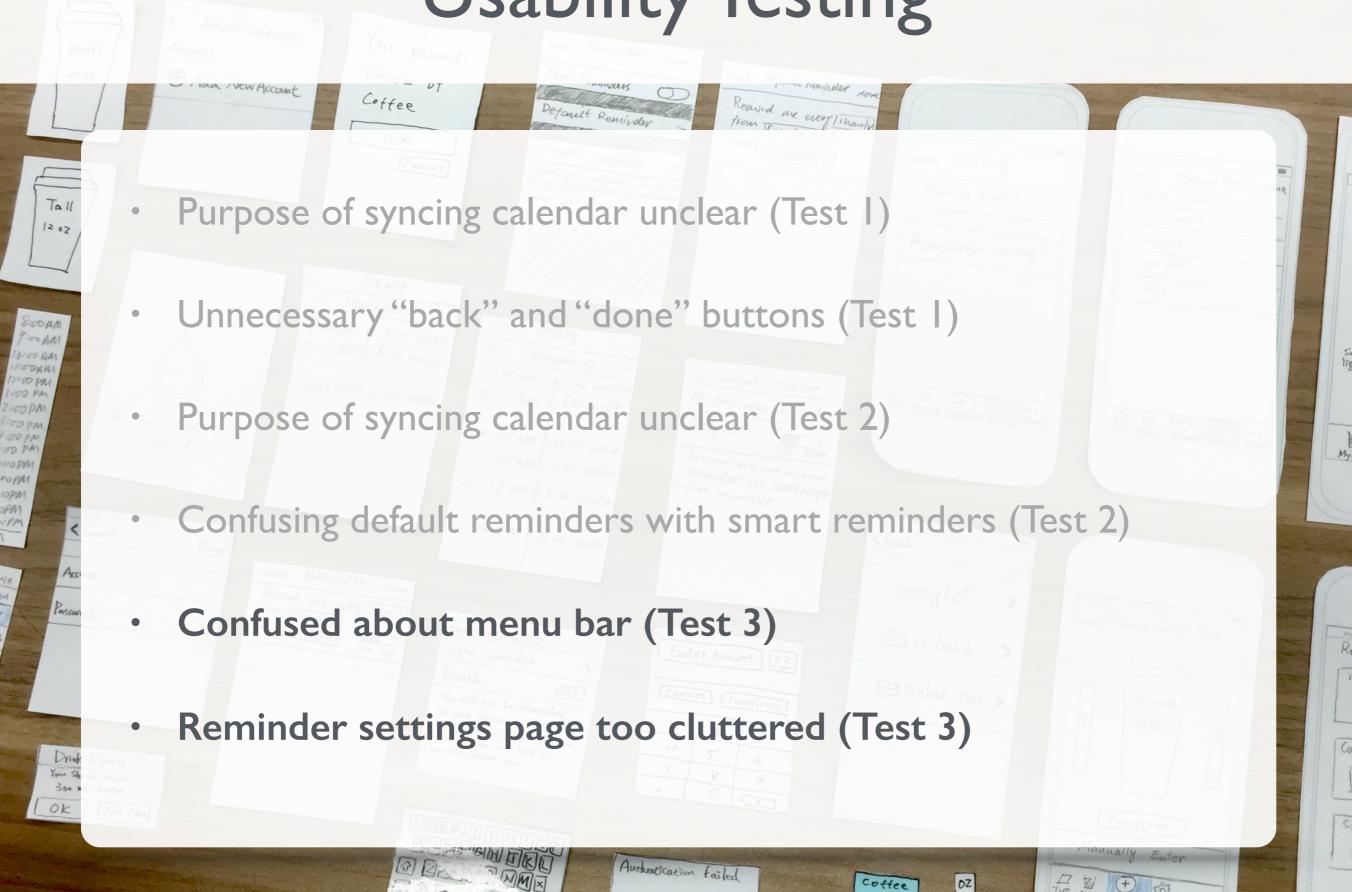
Refinements after Usability Testing 2

Purpose of syncing calendar (still) unclear



Confusing default reminders with smart reminders

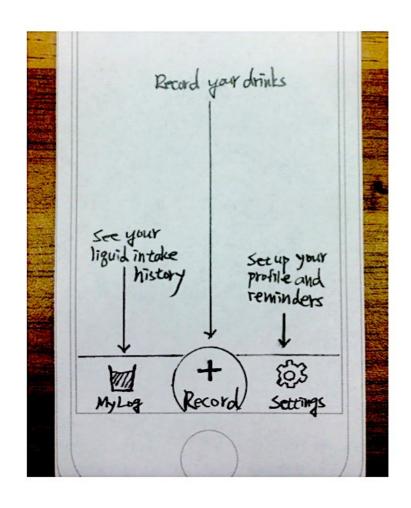
Usability Testing

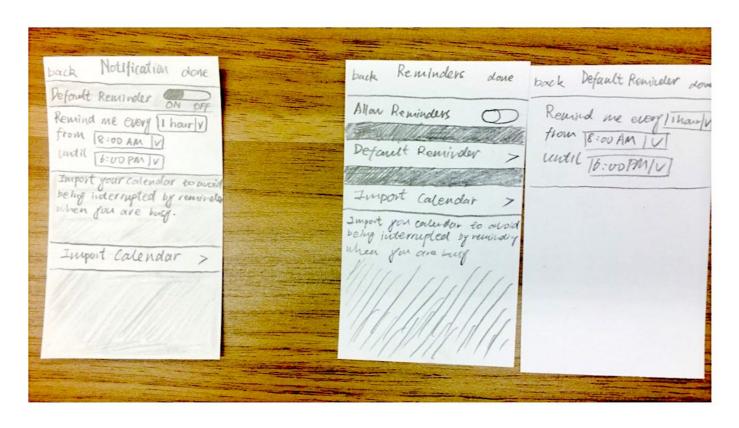


OK

Refinements after Usability Testing 3

Confused about menu bar

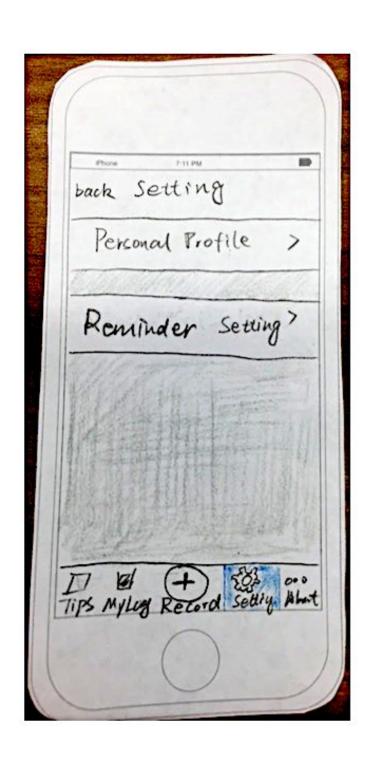


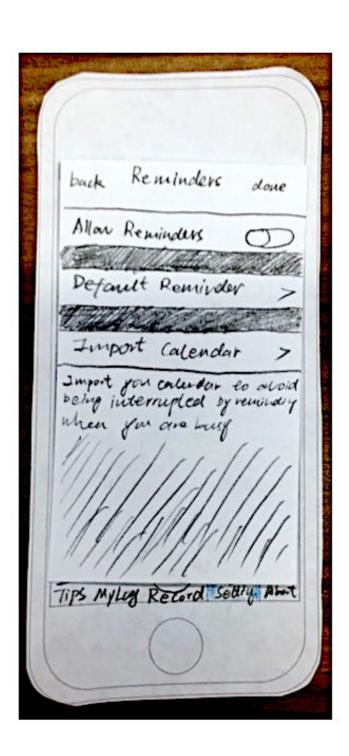


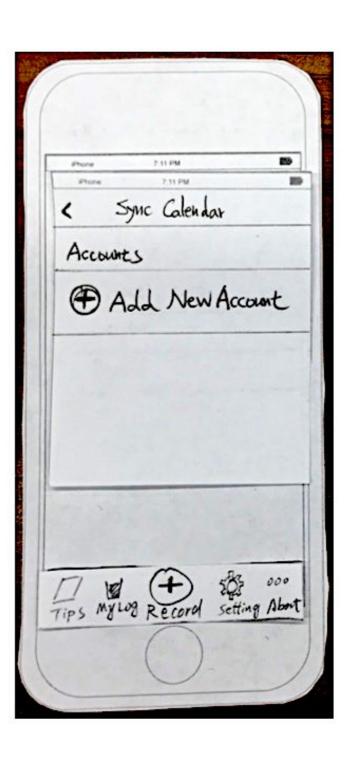
Reminder settings page too cluttered

Final Paper Prototype

Task I - Set Up Smart Reminders (1/2)



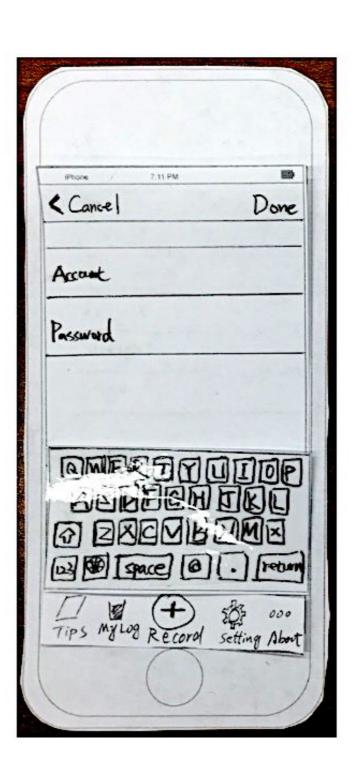


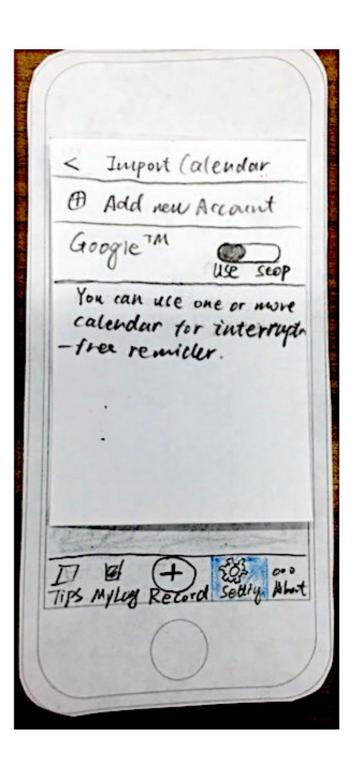


Final Paper Prototype

Task I - Set Up Smart Reminders (2/2)

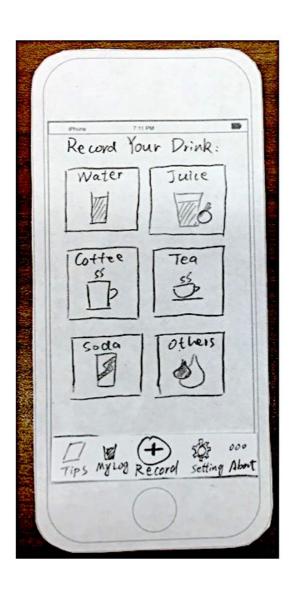


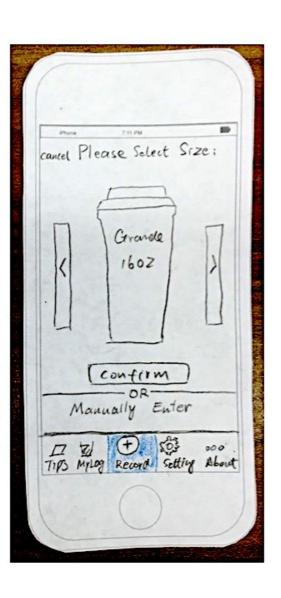


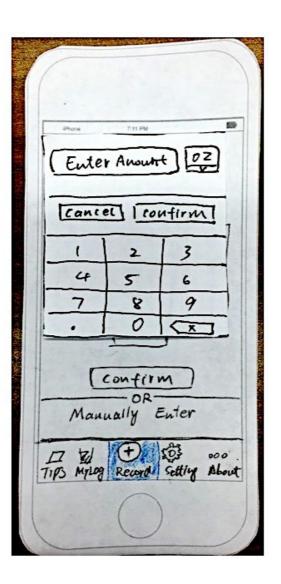


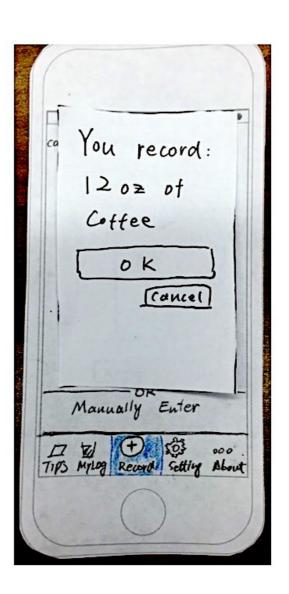
Final Paper Prototype

Task2 - Record Water Intake

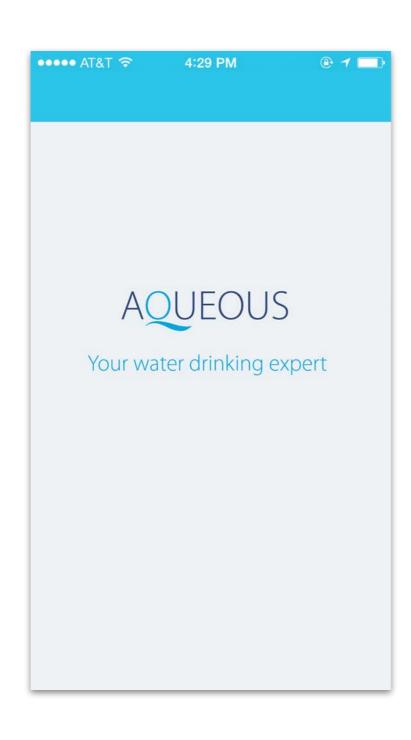






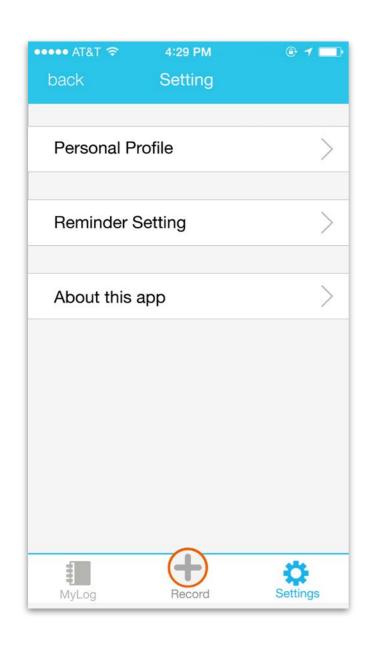


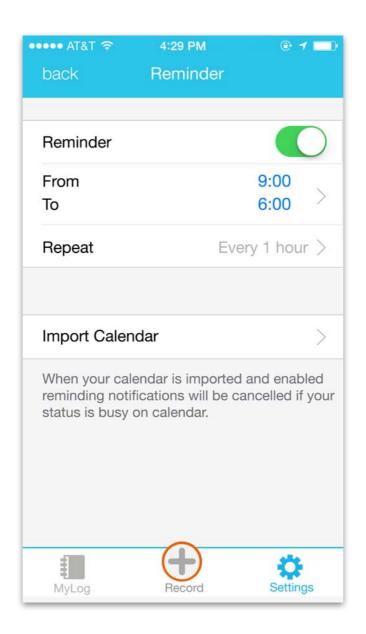
Task0 - Application Introduction

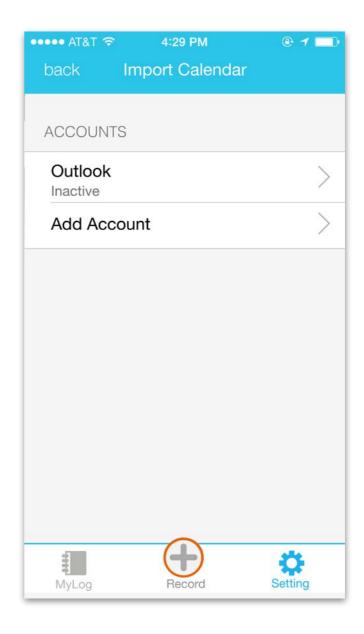




Task I - Set Up Smart Reminders (1/2)

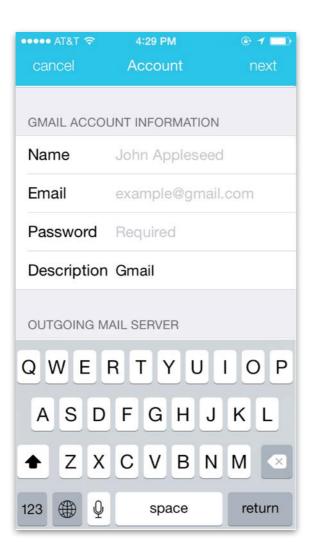


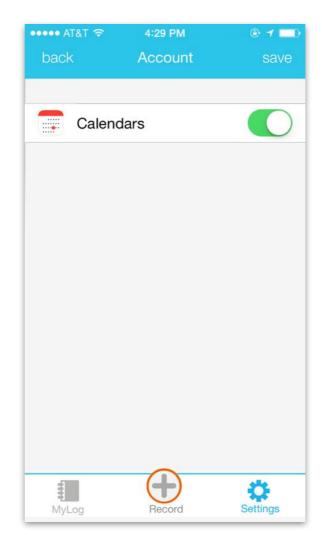


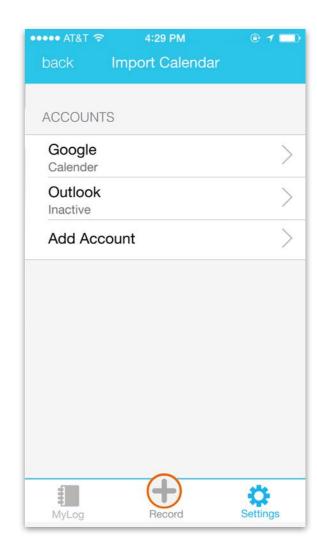


Task I - Set Up Smart Reminders (2/2)

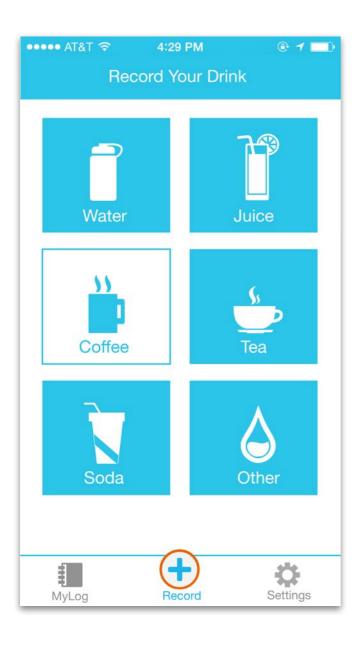








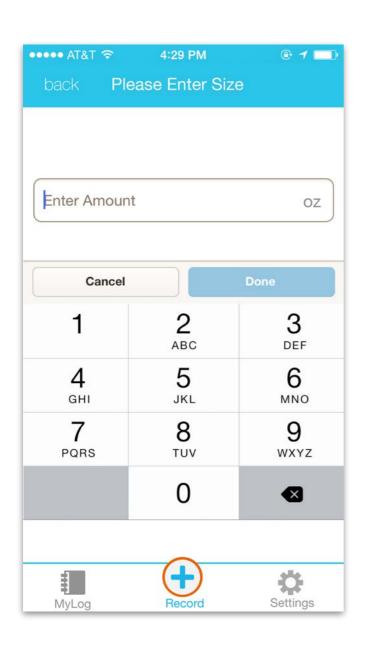
Task2 - Record Water Intake (1/3)

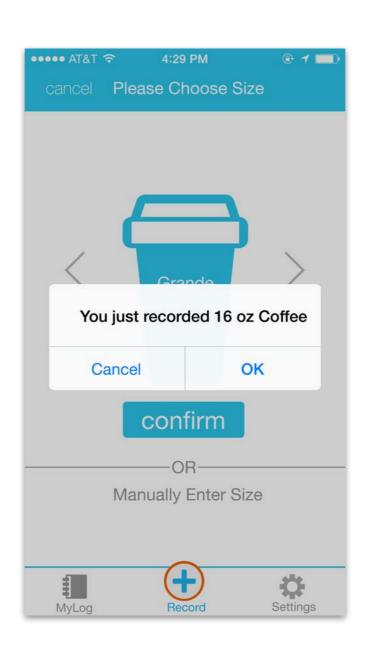


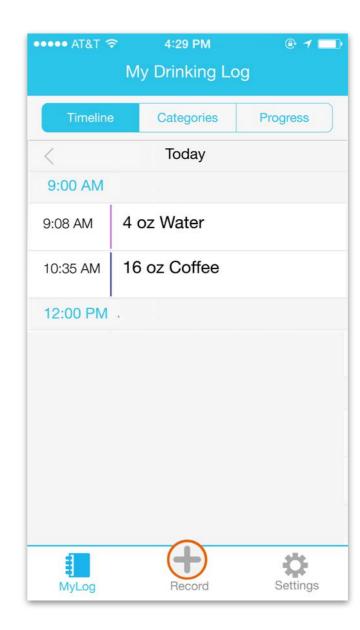




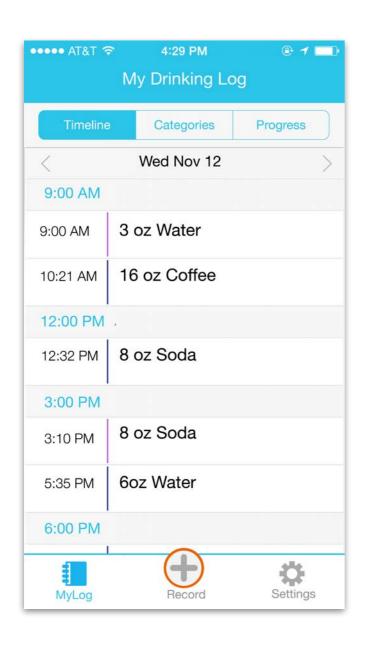
Task2 - Record Water Intake (2/3)

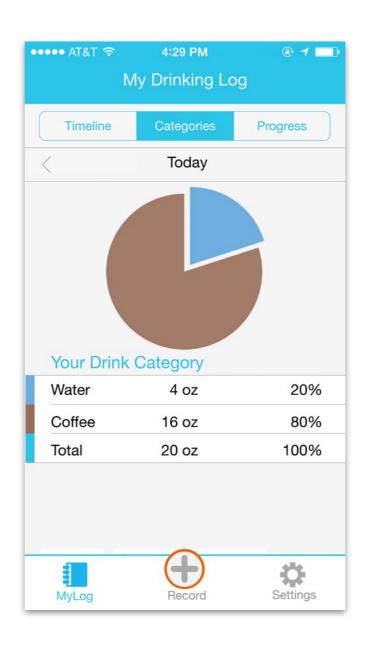


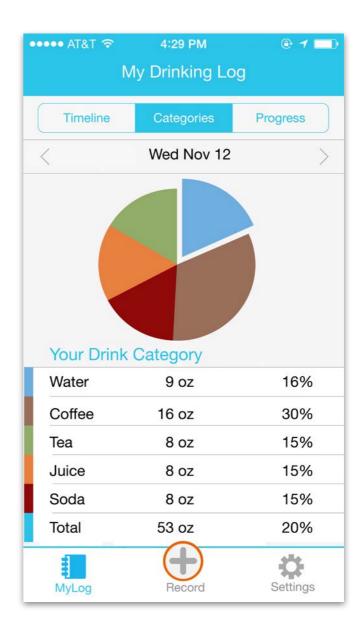




Task2 - Record Water Intake (3/3)











Thank you! Questions?







