

# BALANCE

A TIME MANAGEMENT TOOL



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# How do you spend your time?

- How long do you stay at school each week?
- How many hours do you sleep per day?
- How often do you hang out with friends?

# Overall Problem

It's hard to properly balance our time and achieve our goals.

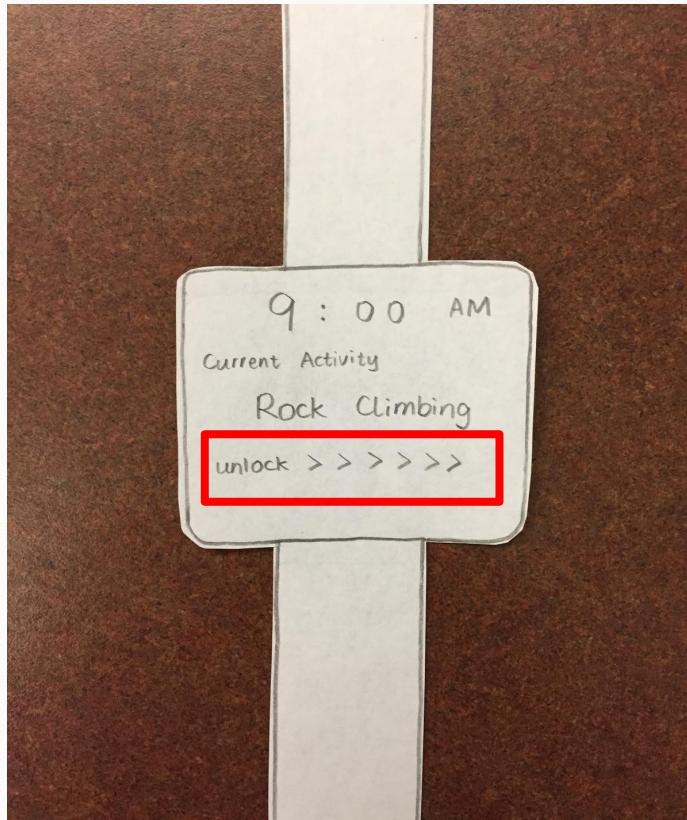
Challenges:

- Knowing how much time you spend on activities
- Planning what to do with free time
- Sticking to your plans

# Initial Paper Prototype



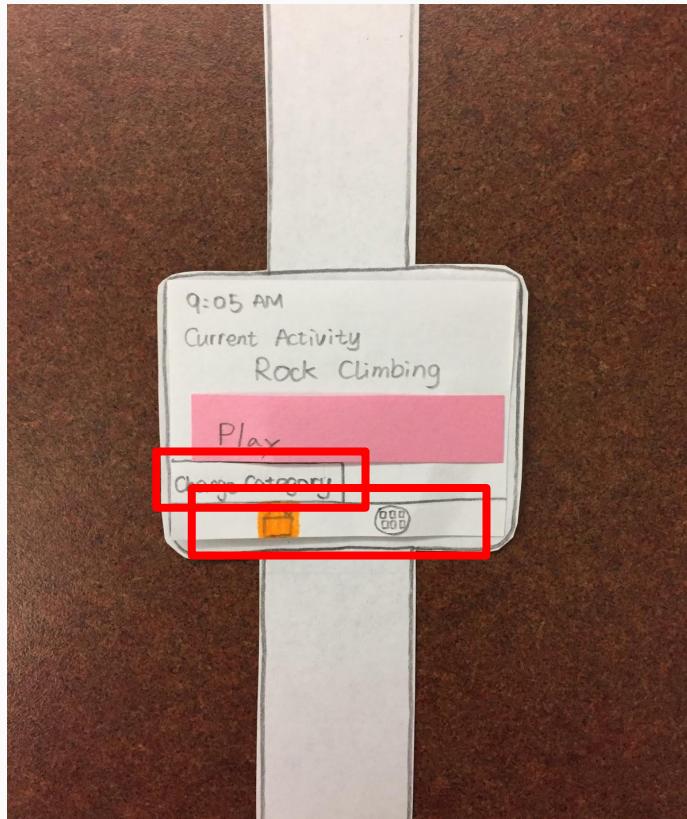
## Task #1: Change the category of current activity



### Initial lock screen

Step #1: Swipe right to unlock

Task #1: Change the category of current activity

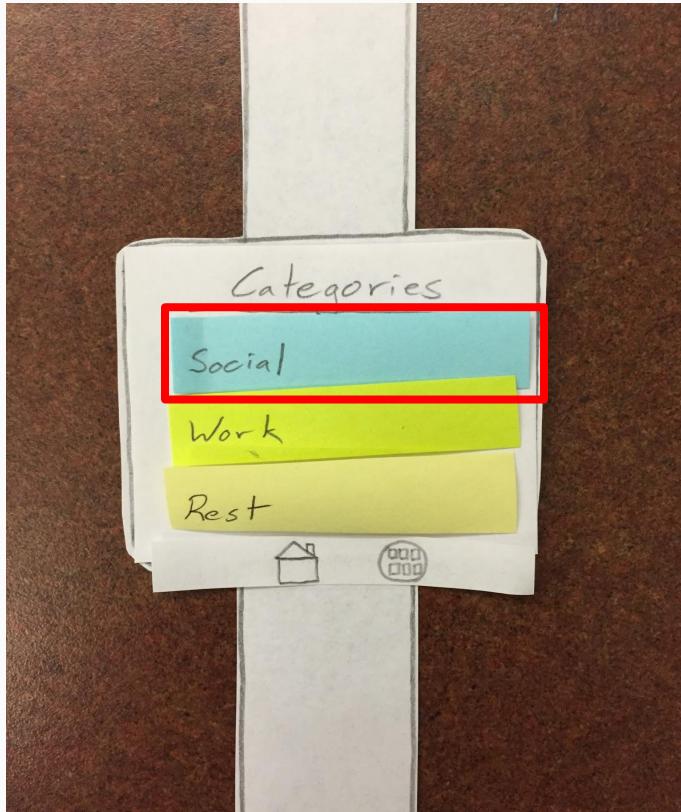


## Home screen

Step #2: Press “Change Category”

Note: Home and Menu buttons

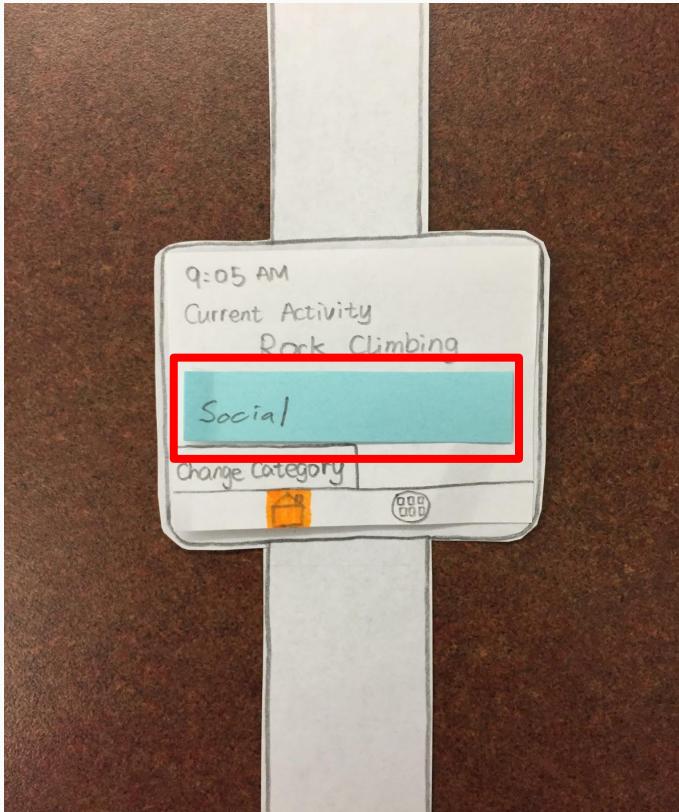
Task #1: Change the category of current activity



## Categories screen

Step #3: Select new category

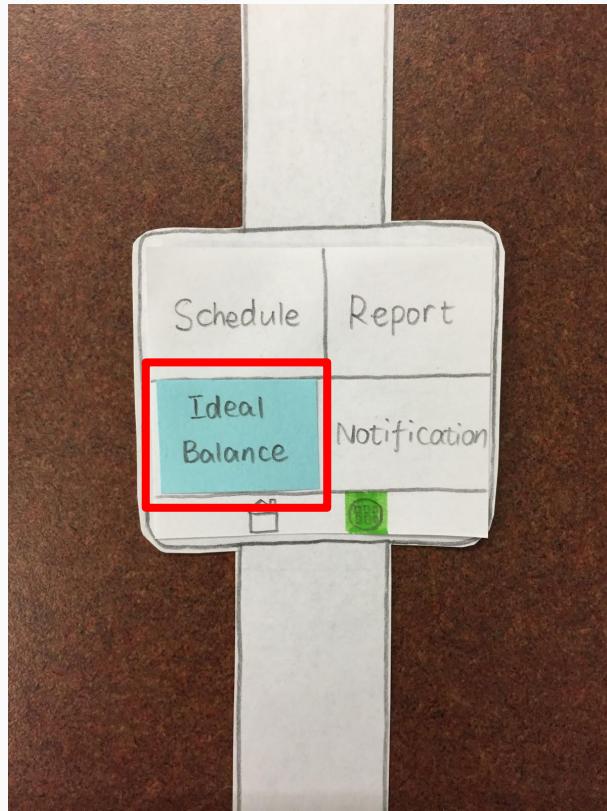
## Task #1: Change the category of current activity



## Home screen

Finished: Category changed

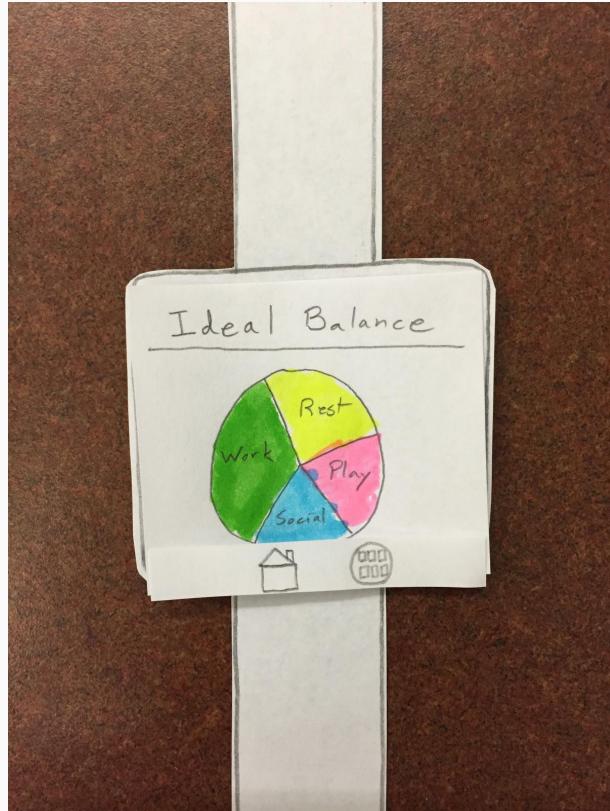
Task #2: See the ideal balance and current balances



## Menu screen

Step #1: Select “Ideal Balance”

Task #2: See the ideal balance and current balances



## Ideal Balance screen

Step #2: View your ideal balance

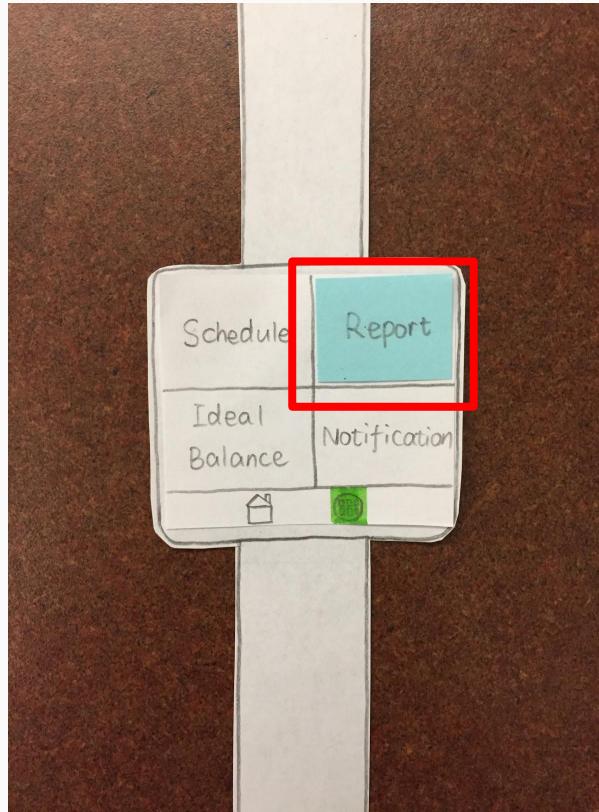
Task #2: See the ideal balance and current balances



## Menu screen

Step #3: Return to menu screen

Task #2: See the ideal balance and current balances



## Menu screen

Step #4: Select “Report”

Task #2: See the ideal balance and current balances



## Menu screen

Finished: View current balances

Note: Dropdown menus to change timeframe and display type

# Testing: Heuristic Evaluations

- Problems with pie chart displays:
  - They don't show exact percentages.
  - Labeling slices is difficult.
- No way to add new notifications.
- No snooze option for alarms.
- Missing “undo”:
  - To re-enable dismissed notifications.
  - To cancel changing the category.



# Testing: Usability Tests

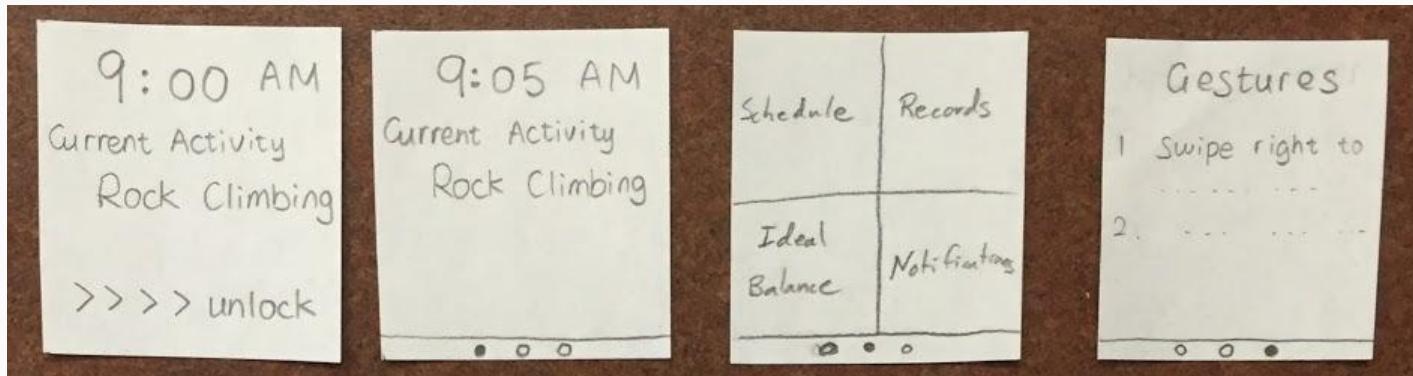
## Participants:

- Mary, College Student
  - Balancing study and personal time.
- Jerry, Family Man
  - Balancing work, family, and personal time.
- Ryan, Data Visualization Researcher
  - Balancing study and research.



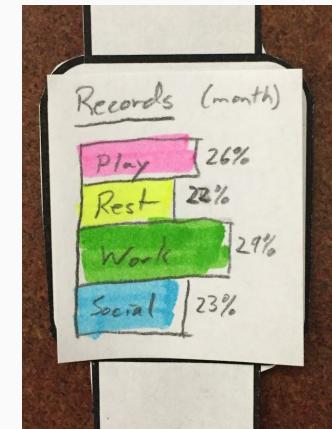
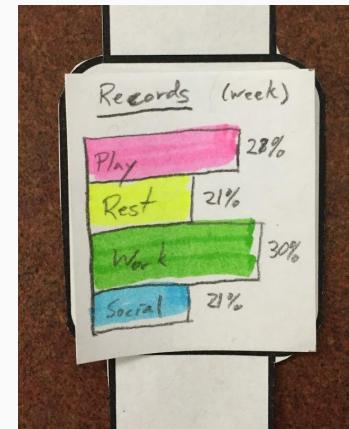
# Testing: Results

- It was difficult to move between screens with buttons.
  - We made swiping right go back to the menu.
  - We made the menu contiguous.



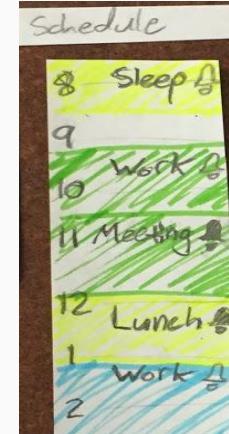
# Testing: Results

- Drop down menu targets were slow and imprecise.
  - We replaced drop down menus with directional swipes.

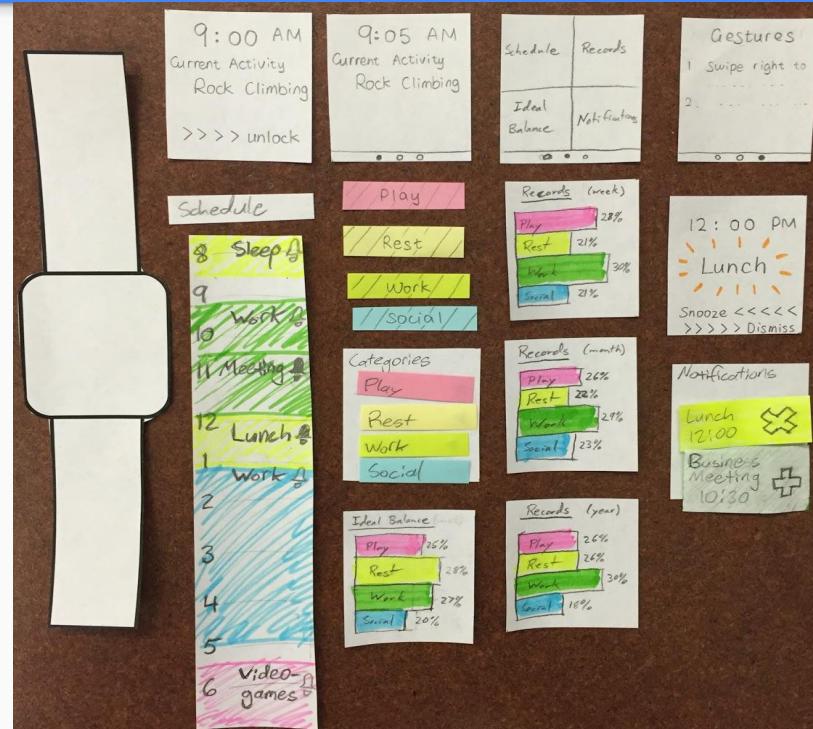


# Testing: Results

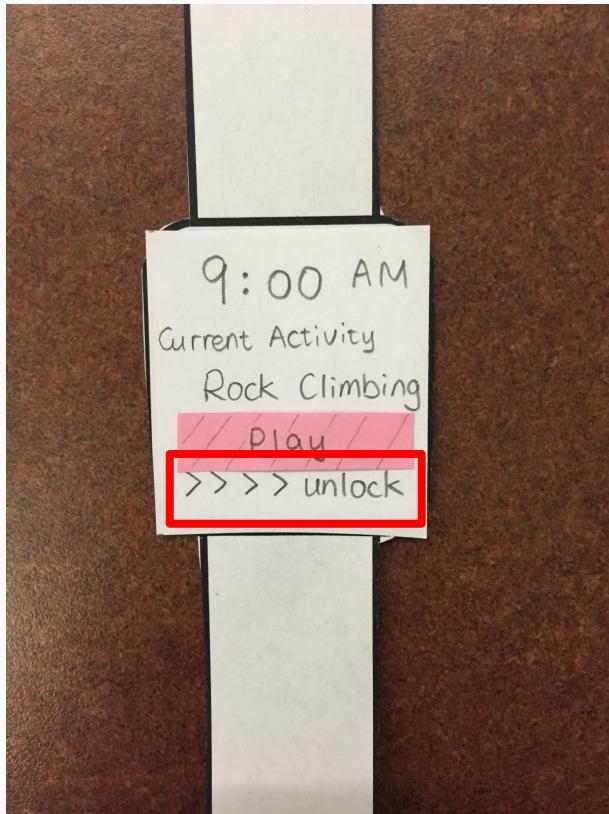
- Users expected more functionality from the schedule screen.
  - We allowed users to change the categories of future activities.
  - We added an alarm button to each menu item.



# Final Paper Prototype



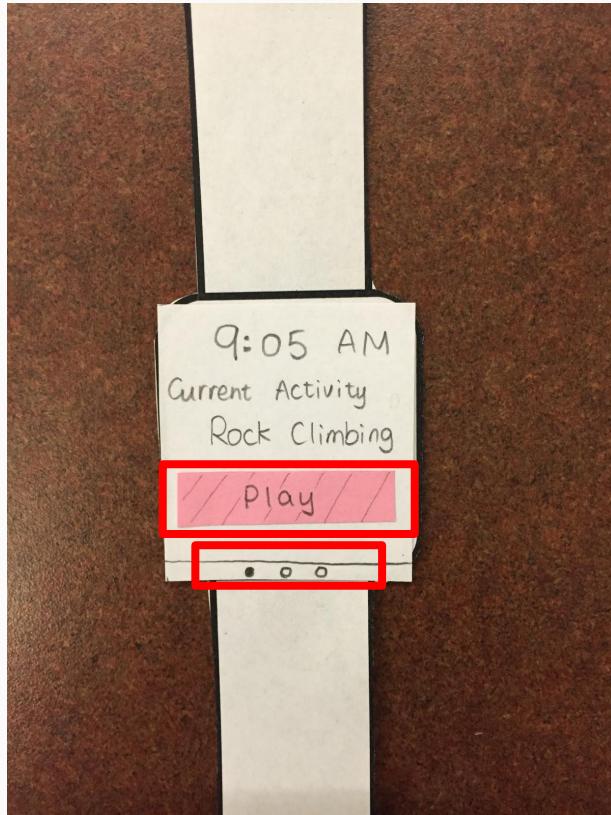
## Task #1: Change the category of current activity



**Initial lock screen**

**Step #1: Swipe right to unlock**

## Task #1: Change the category of current activity

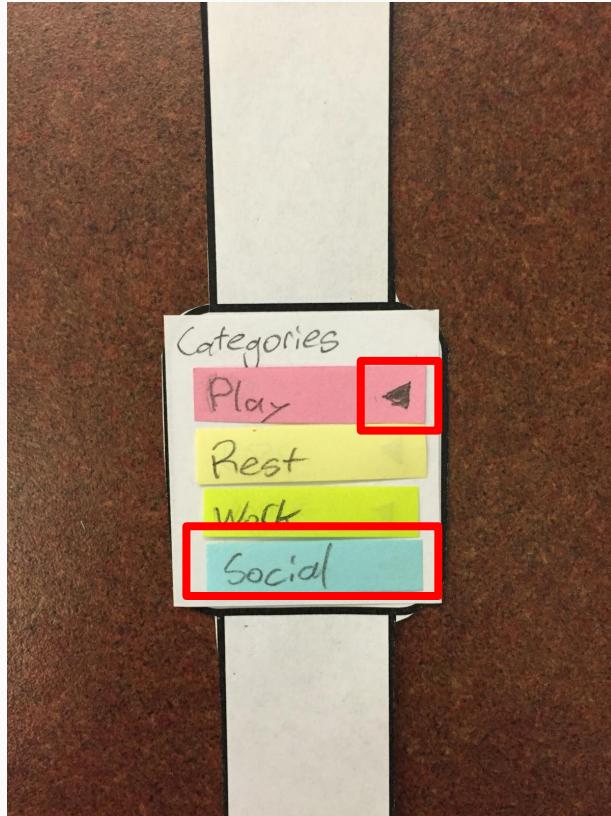


### Home screen

Step #2: Press category to change

Note: Dots for navigation - indicate swiping gesture

## Task #1: Change the category of current activity

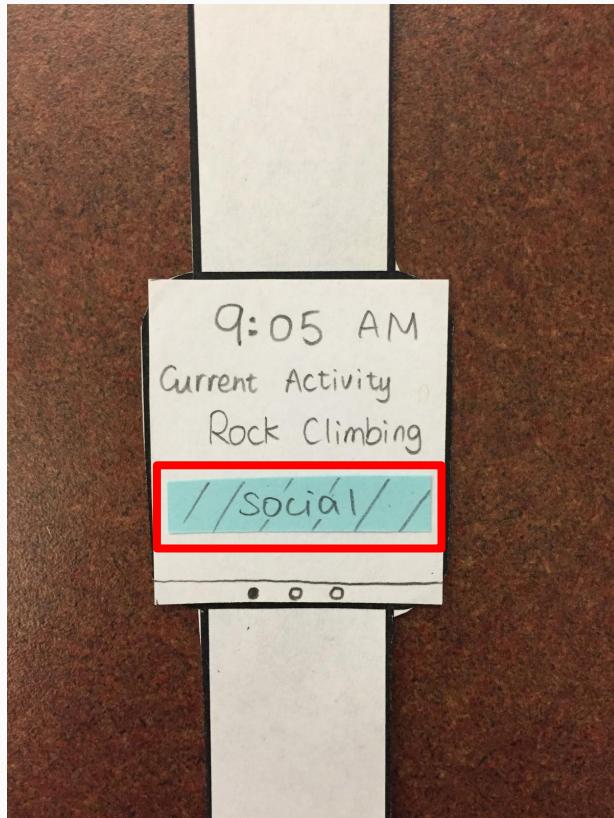


### Categories screen

Step #3: Select new category

Note: Current category indicator

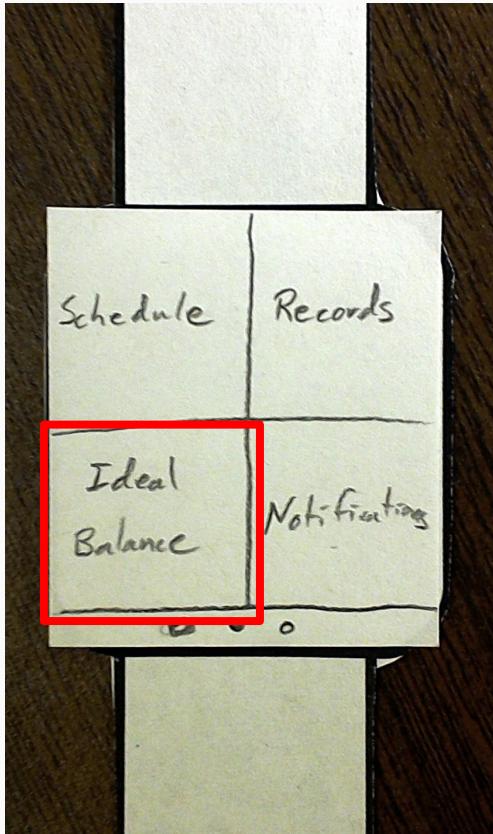
## Task #1: Change the category of current activity



**Home screen**

Finished: Category changed

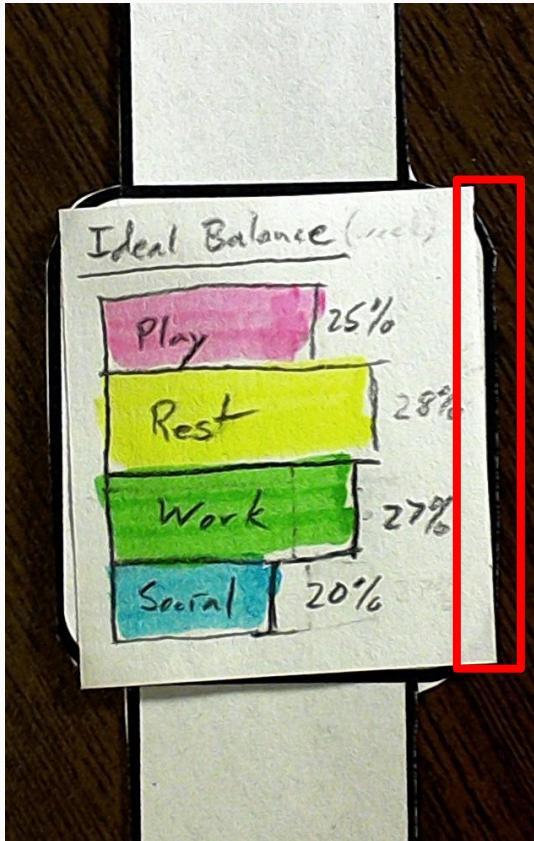
Task #2: See the ideal balance compare with current balance



## Menu screen

Step #1: Select “Ideal Balance”

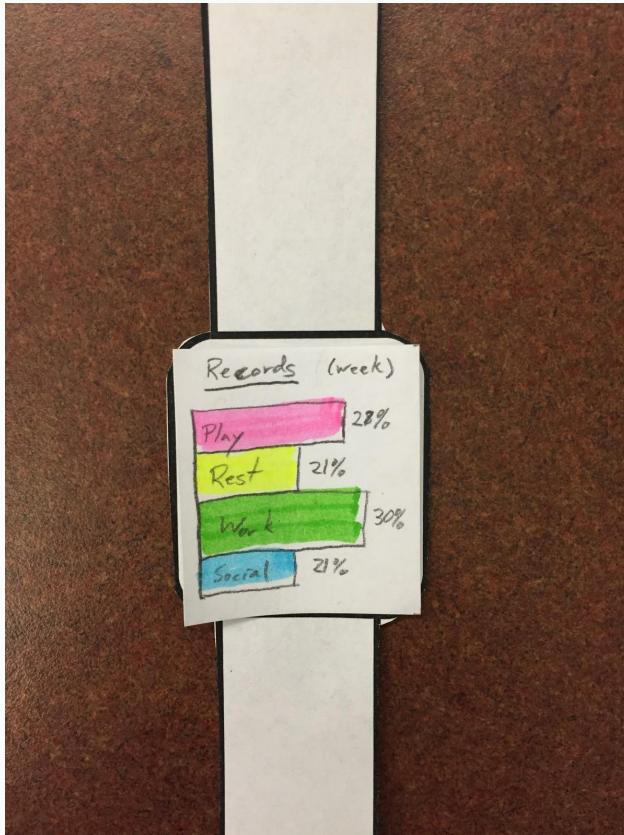
Task #2: See the ideal balance compare with current balance



## Ideal Balance screen

Step #2: Swipe left to view to current balance

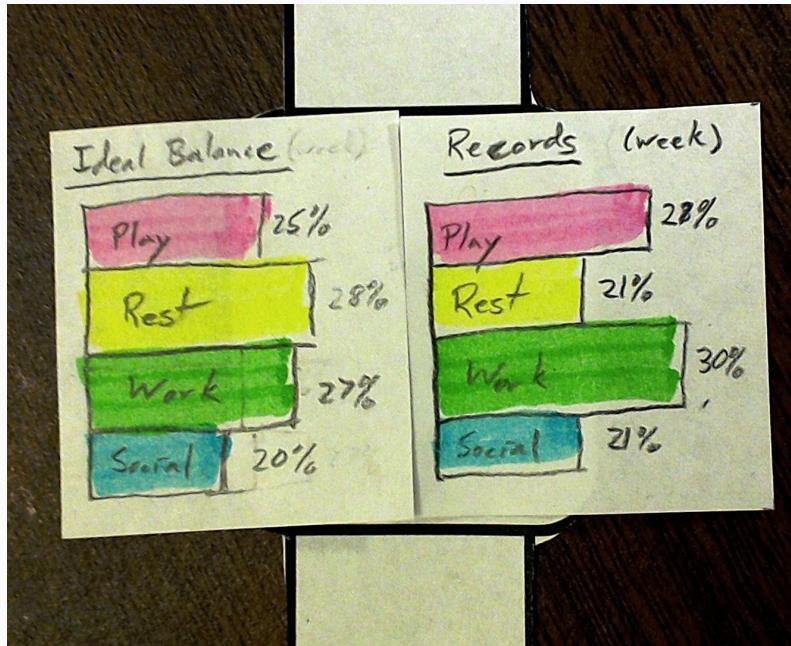
Task #2: See the ideal balance compare with current balance



## Records screen

Step #3: Swipe right to return to ideal balance

Task #2: See the ideal balance compare with current balance



## Ideal Balance screen

Finished: Can swipe back and forth to compare

# Digital Mockup

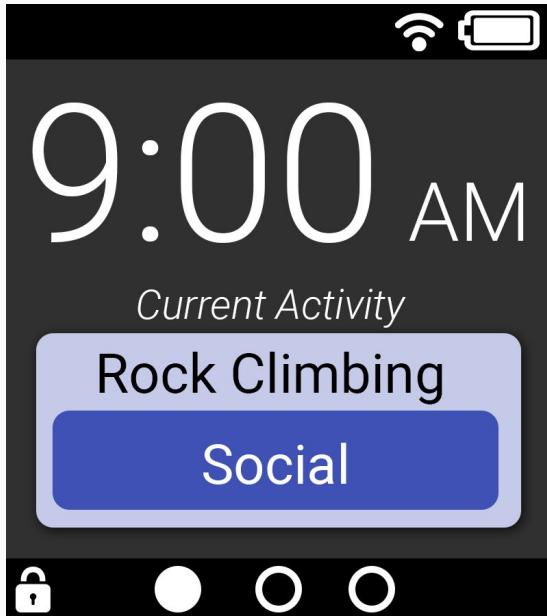


Sony SmartWatch 3 SWR50

# Change the Category of Your Current Activity

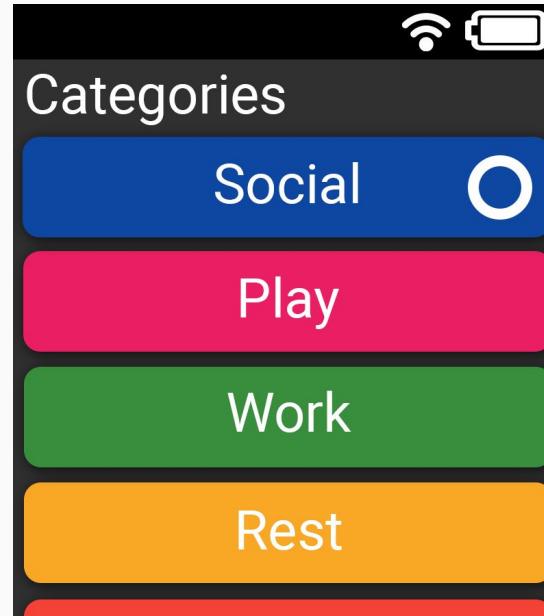
## Home Screen:

Tap the category to change it.



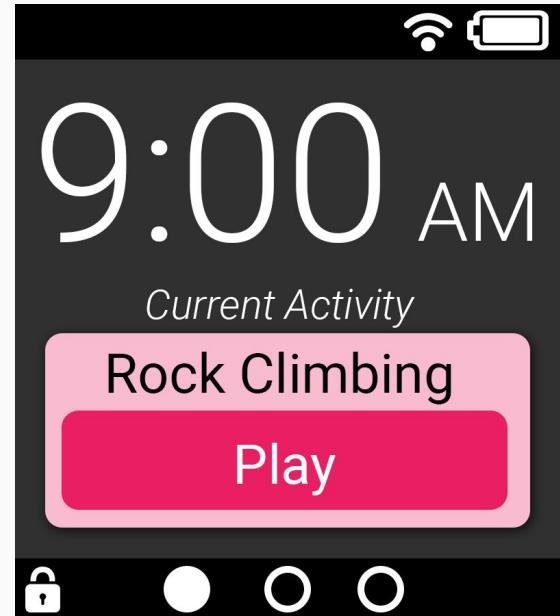
## Categories Screen:

Select a different category.



## Home Screen:

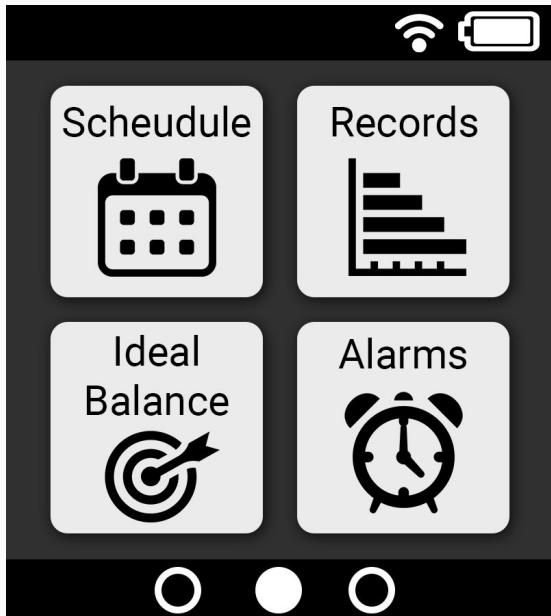
New category is displayed.



# Compare Current Records With Your Ideal Balance

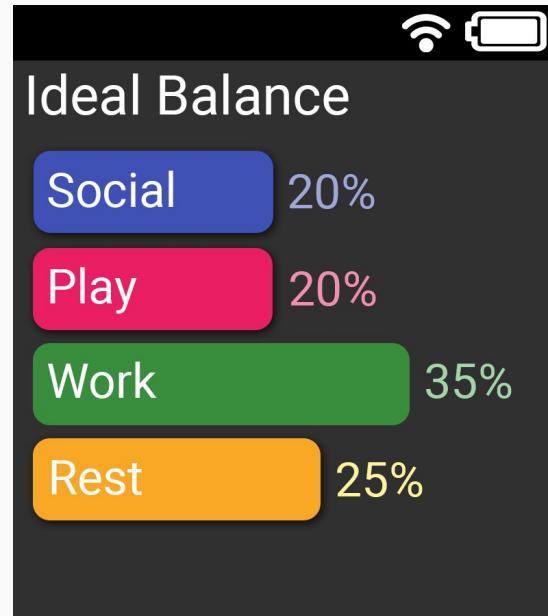
## Home Screen:

Tap ideal balance button.



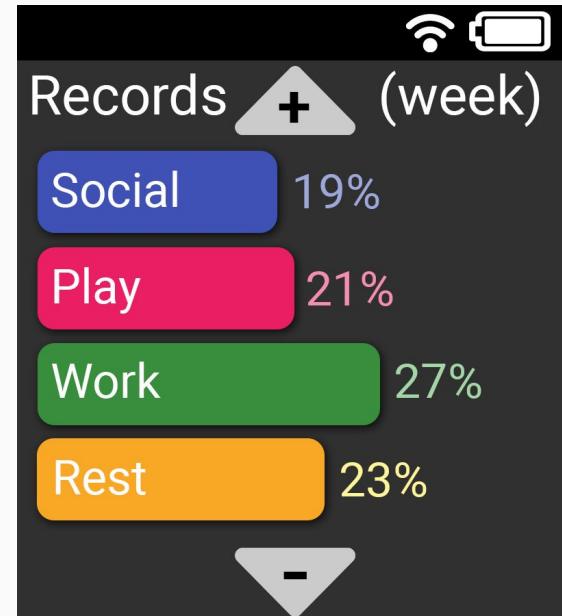
## Ideal Balance Screen:

Swipe left to compare with records.



## Records Screen:

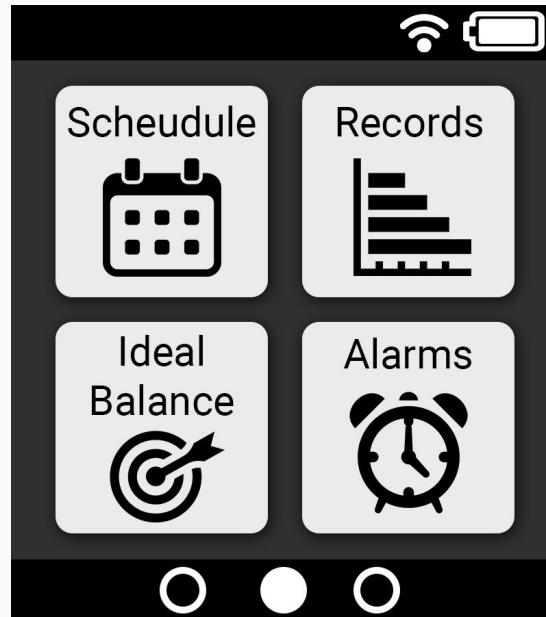
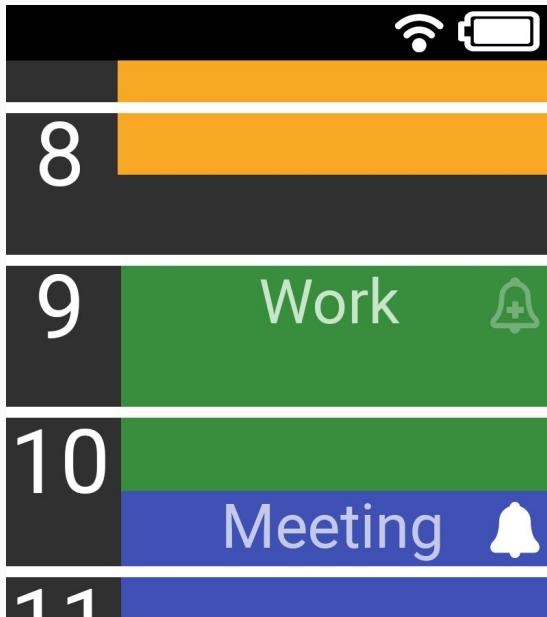
Swipe right to go back to ideal balance.



# Set Reminders to Change Tasks

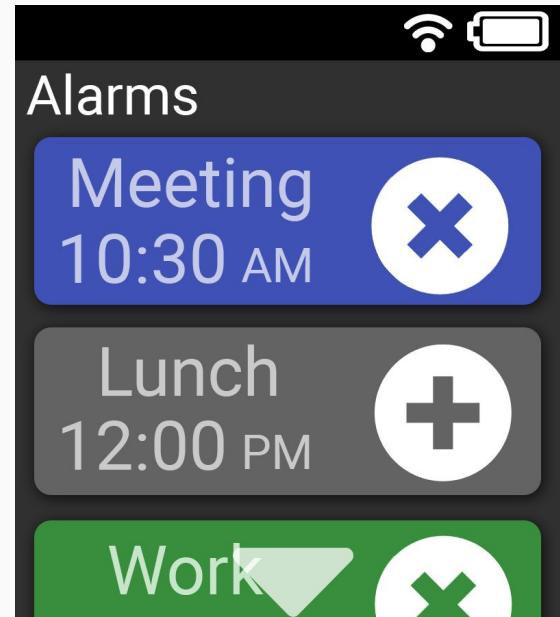
## Schedule Screen:

Tap bell icons to toggle alarms.



## Alarms Screen:

Tap "x" to disable alarms,  
"+" to re-enable.



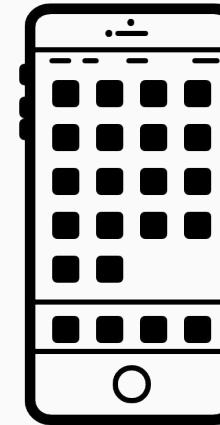
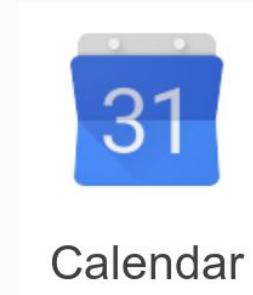
# Lessons to Remember and Share

- Be wary of feature creep. Ask yourself how each feature solves one of your user's problems.
- Don't assume that standard solutions from one design will work elsewhere.
  - Drop down menus
  - Pie charts



# Lessons to Remember and Share

- Pay attention to what your users are familiar with, and what functionality they expect.
  - Swiping on smartphones
  - Tapping on the schedule





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