

STUDY BUDDY

Personal Time Tracker

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Problem Overview

- Limited amount of time
- Lots to do
- Various distractions
- Improving productivity is difficult



Design Research

- **Methods**
 - *3 Interviews*
 - *1 observation/interview*
- **Participants**
 - *University of Washington students*
 - *Various majors and years*



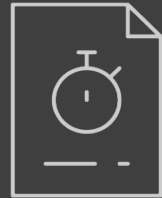
Design Research - Themes

- "Too much" becomes a distraction
- Distraction types are different
- Willing to monitor study habits
- Positive feedback

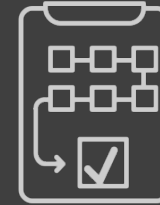
6 Tasks



**Meet
homework
assignment
deadlines**



**Track time
spent on
studying and
distractions**



**Plan
better**



**Receive
notifications**



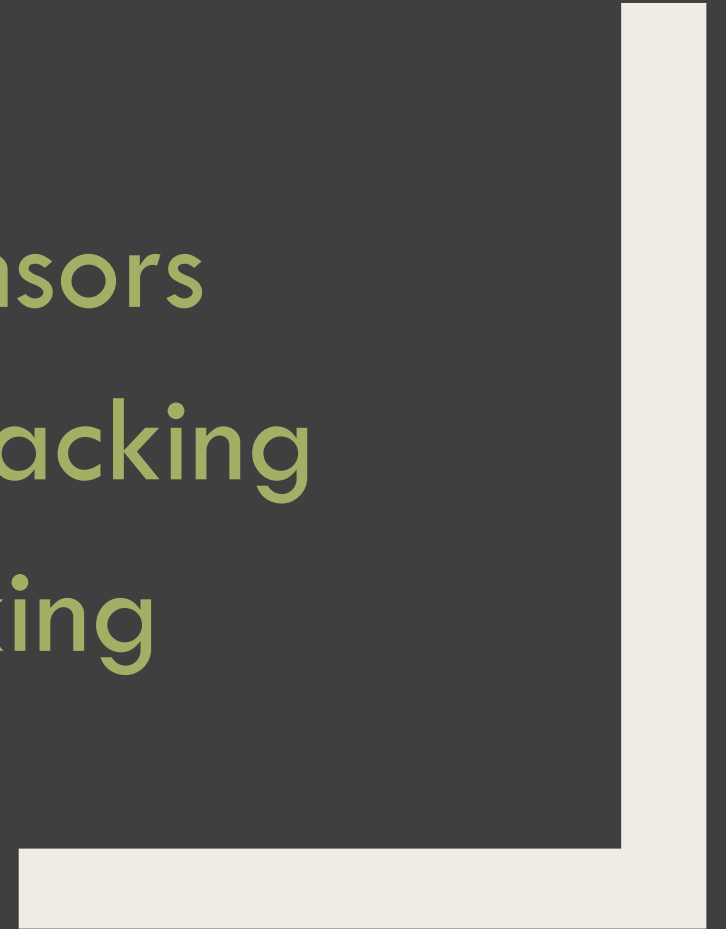
**Identify
productive
/distraction-prone
times of day**



**Avoid study
fatigue and
boredom**

INITIAL DESIGNS

- 1 - Physical Sensors
- 2 - Software Tracking
- 3 - Active Tracking

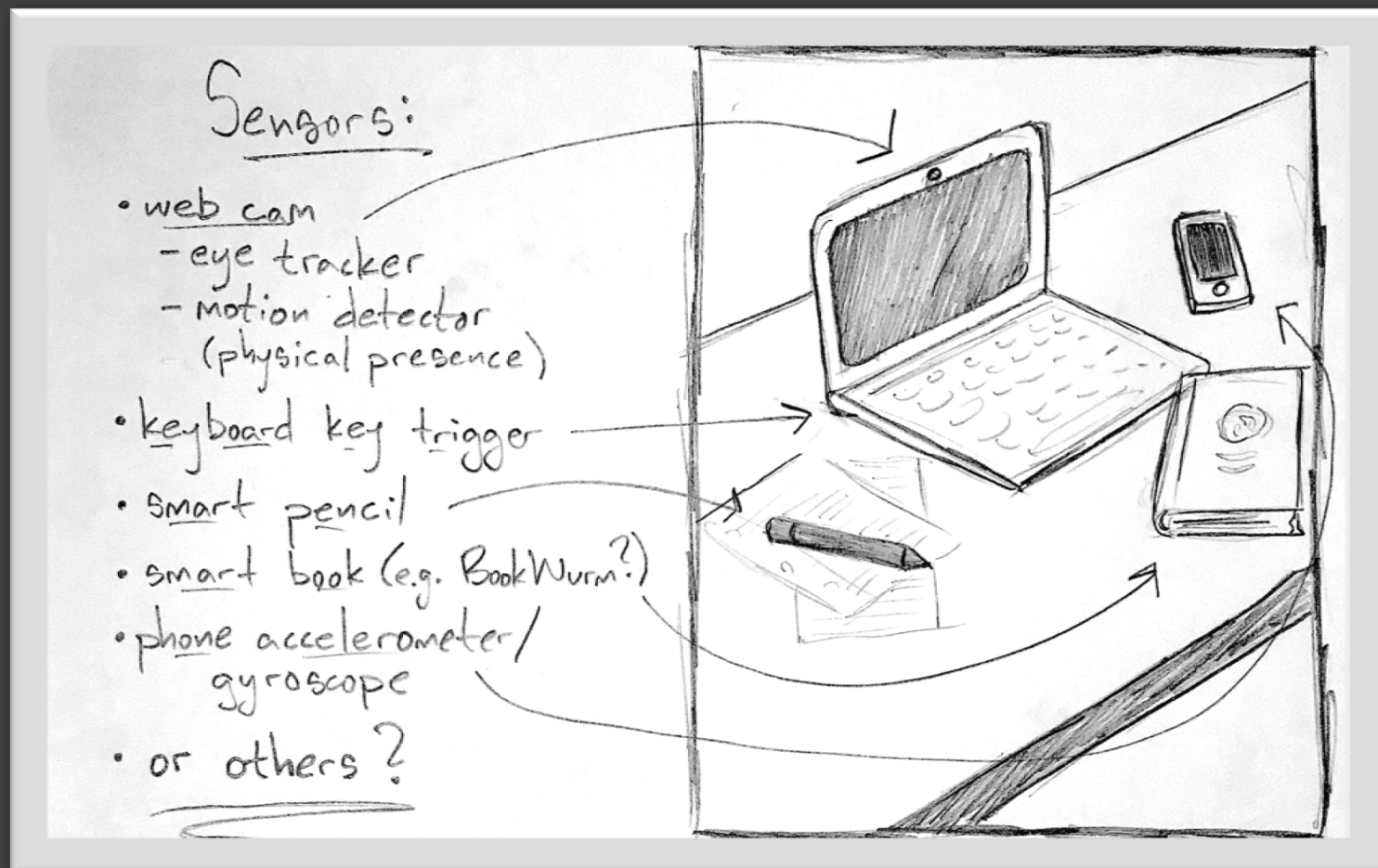


Design #1

Physical Sensors

(passive)

- Webcam
- Smart Pencil
- Smart Book/Bookmark
- Cell phone
- Keyboard triggers

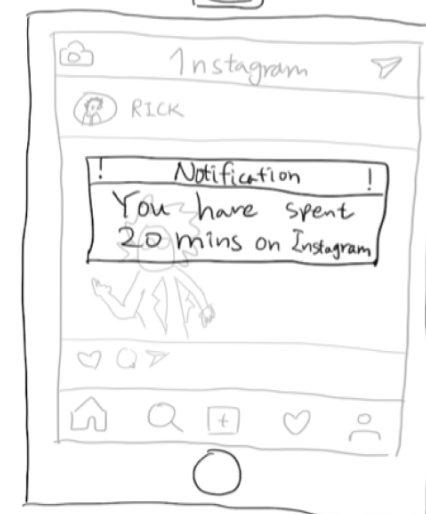
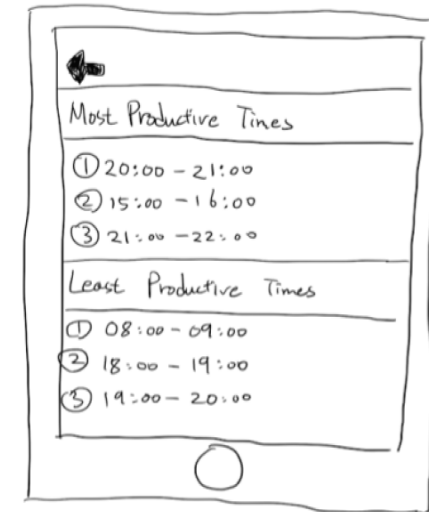


Design #2

Software Tracking

(passive)

- Gauge productivity
- Site/software usage
- Site-specific timer
- Notifications

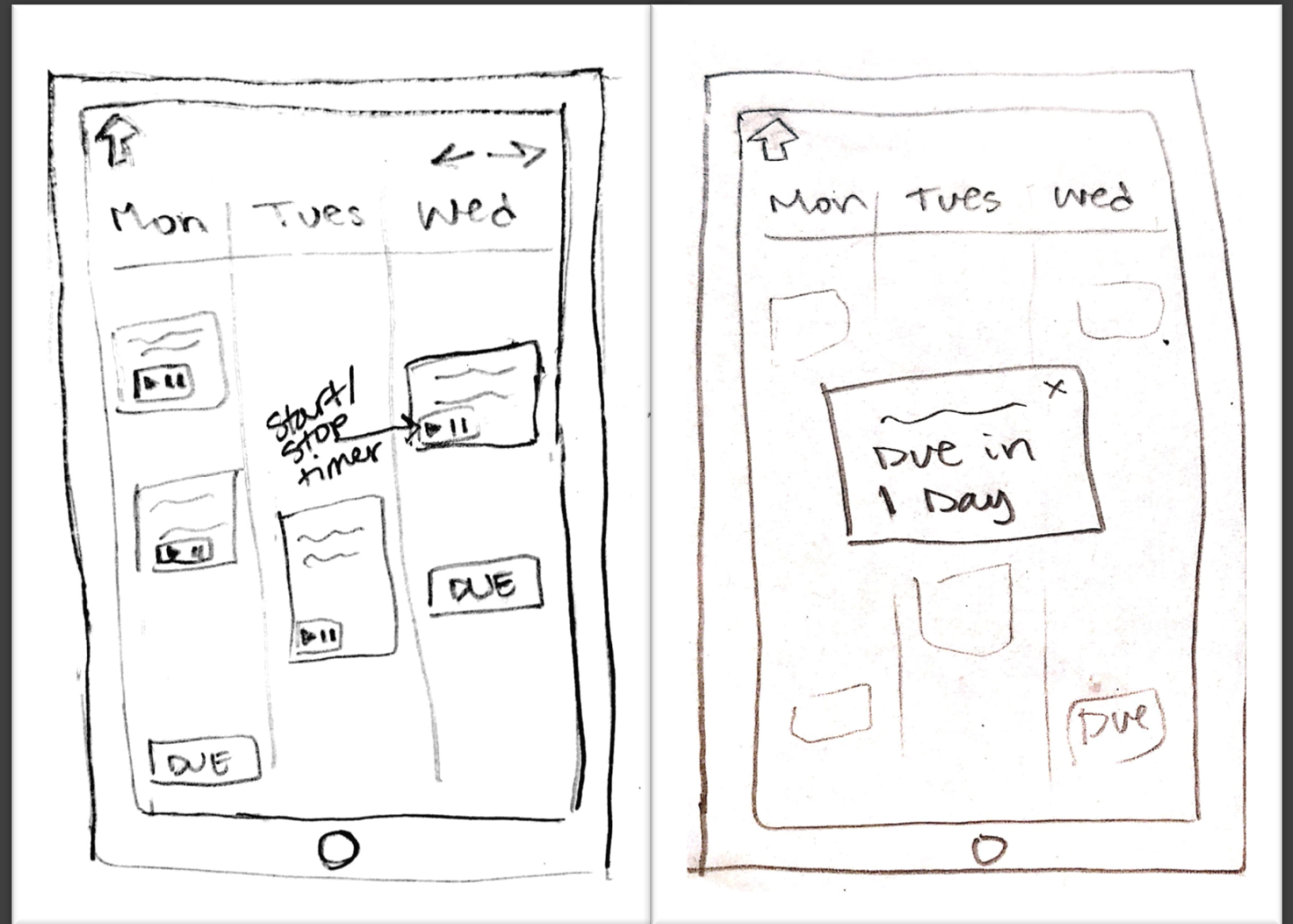


Design #3

Schedule Tracking

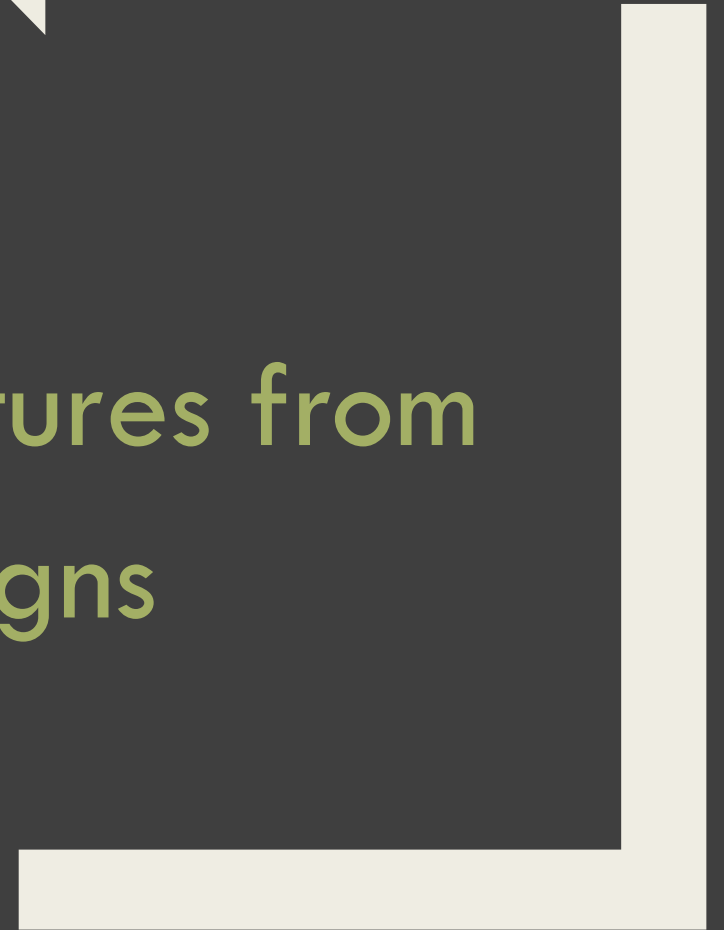
(active)

- Interactive calendar
- Tap-in / Tap-out
- Assignment reminders
- Scheduling suggestions



SELECTED DESIGN

Combination of features from
our three initial designs

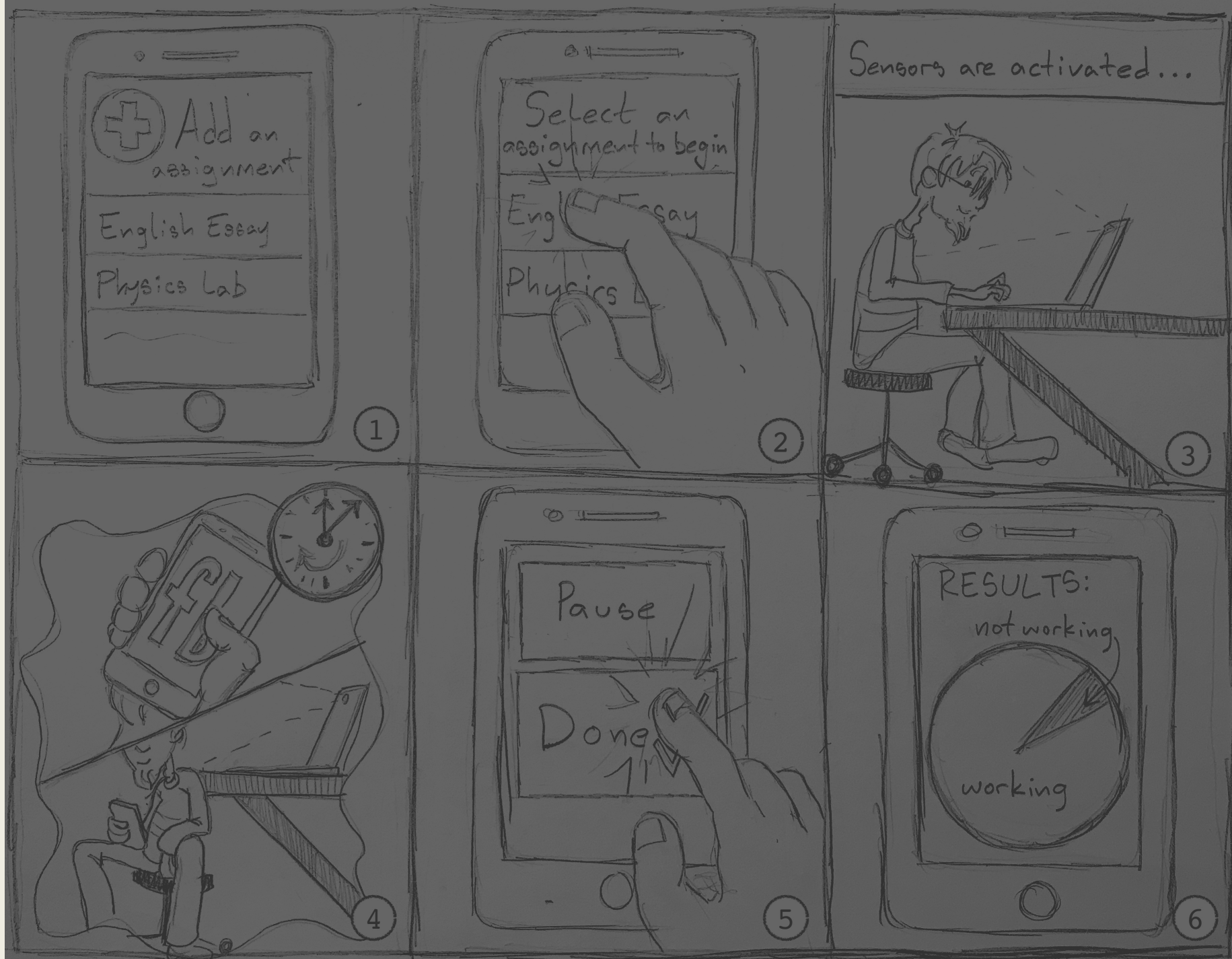




Task #1 | Time-Tracking

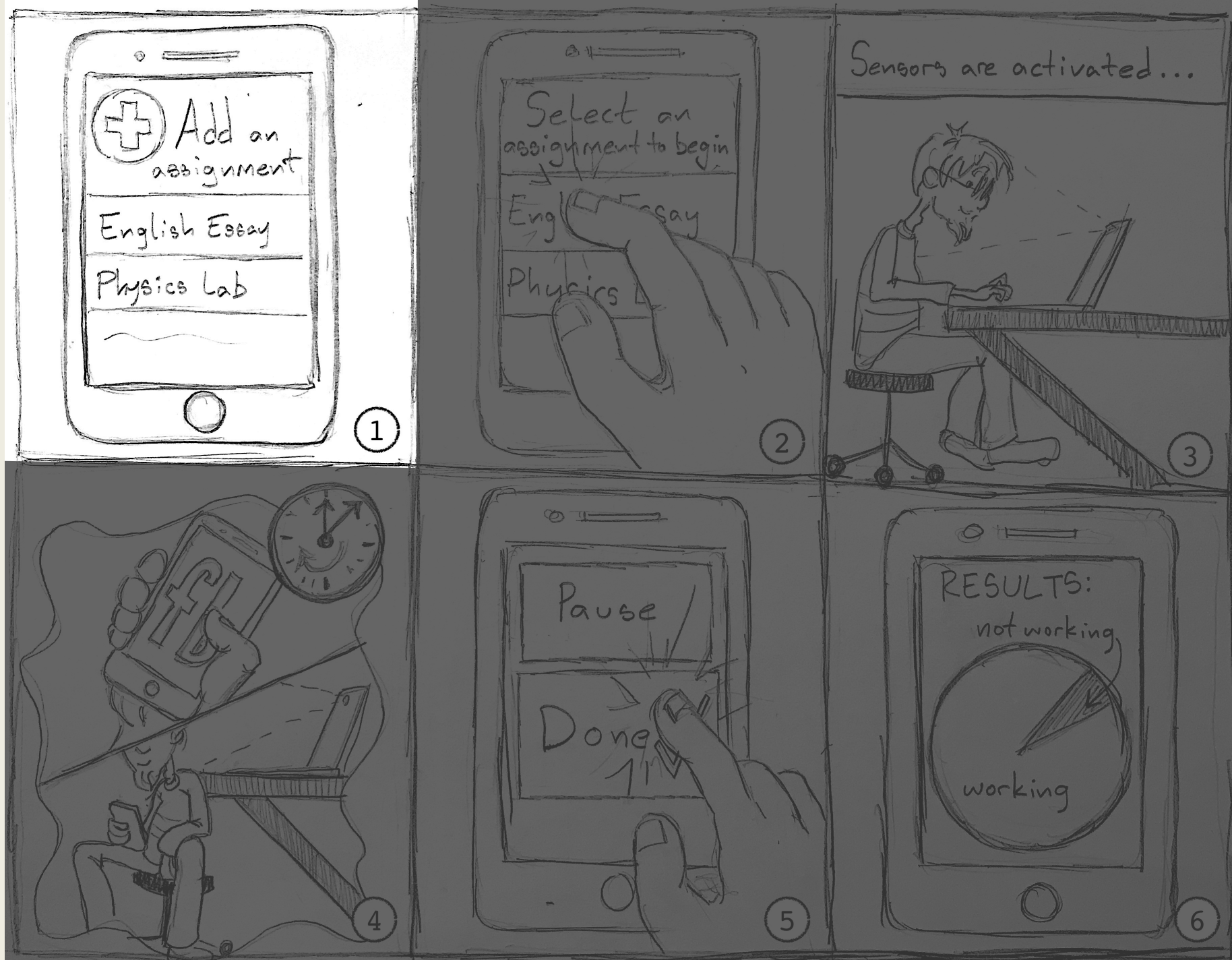
Physical sensors and software combine to
track productivity

#1 | Time-Tracking



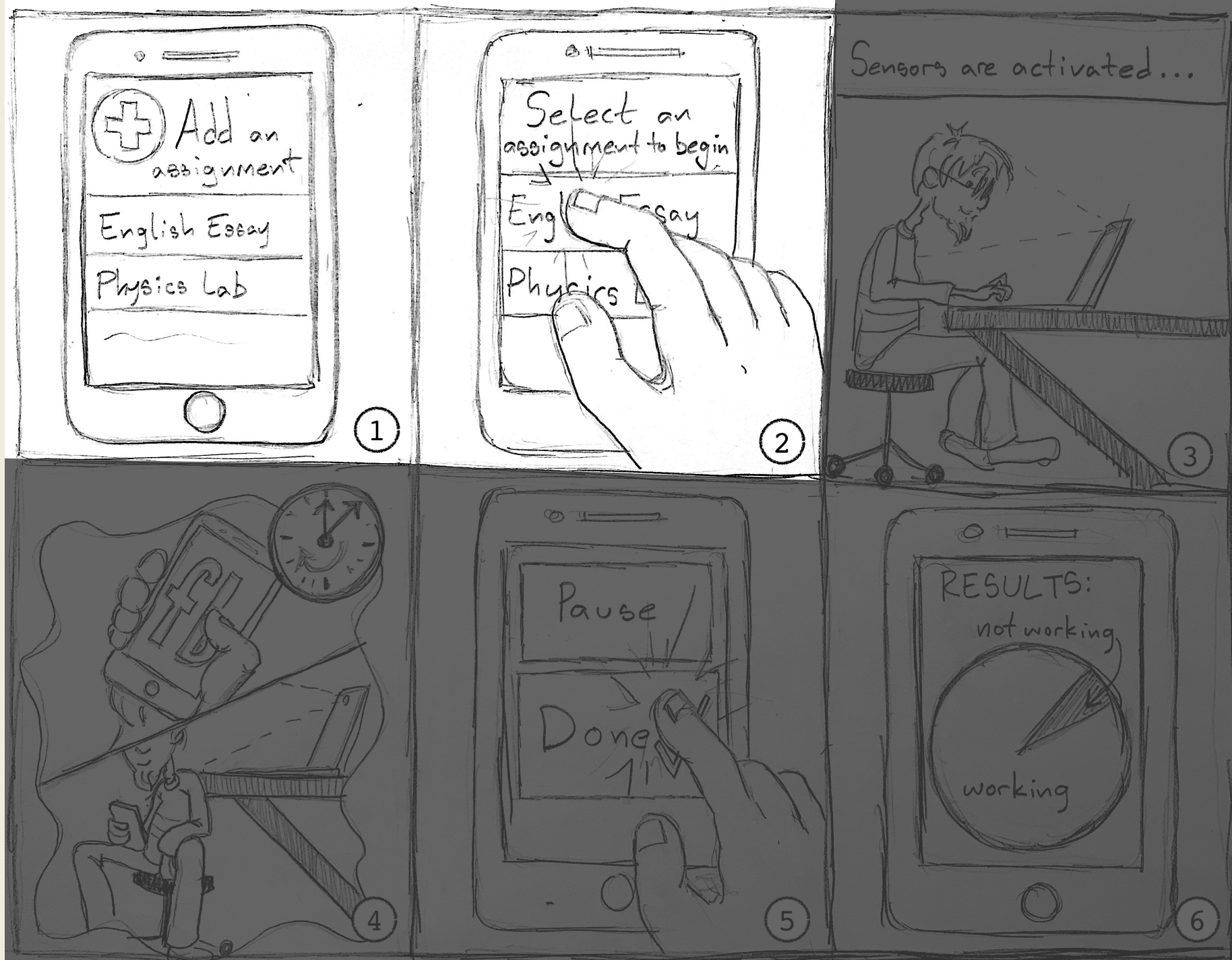
#1 | Time-Tracking

- Add assignments to list



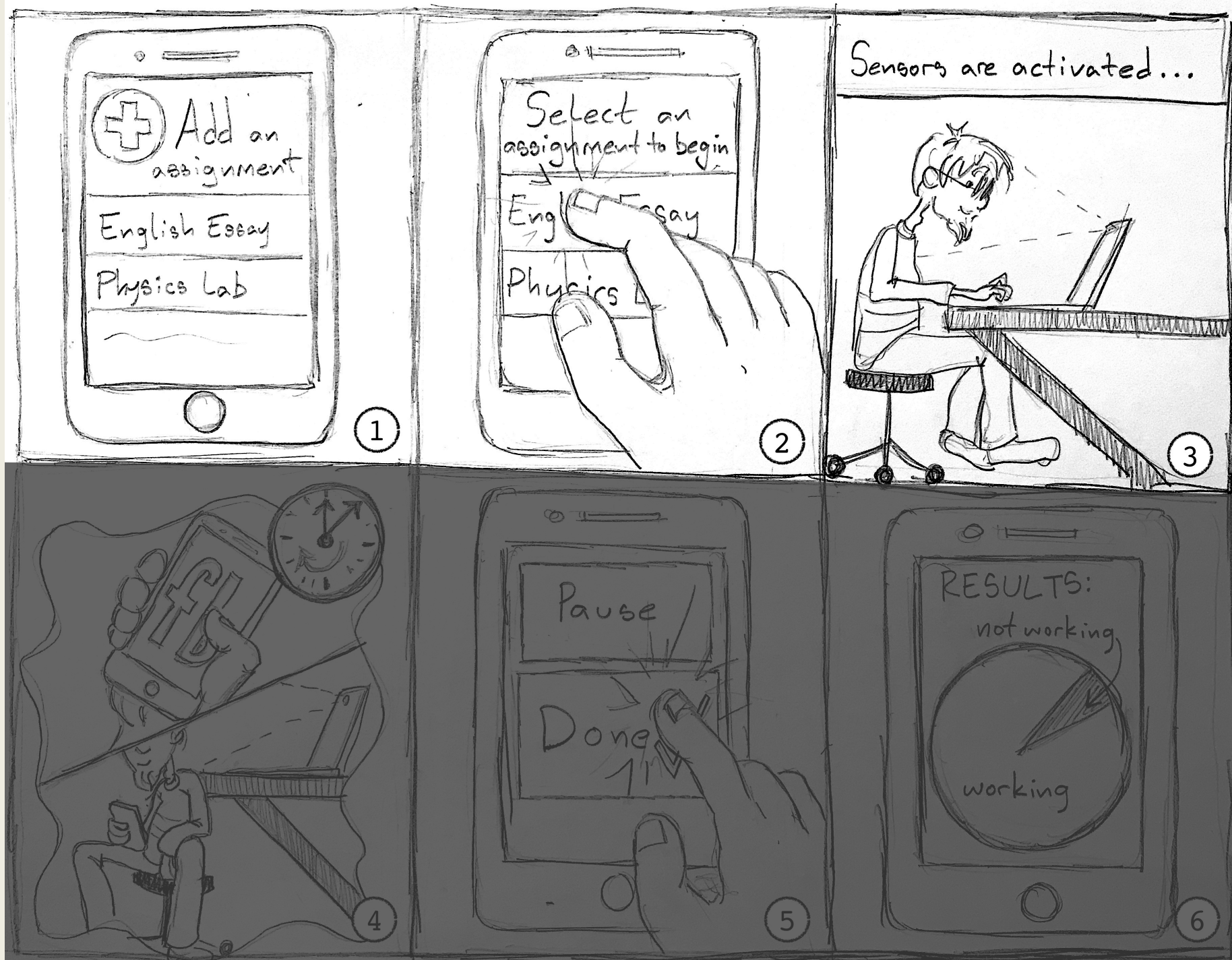
#1 | Time-Tracking

- Add assignments to list
- Select an assignment



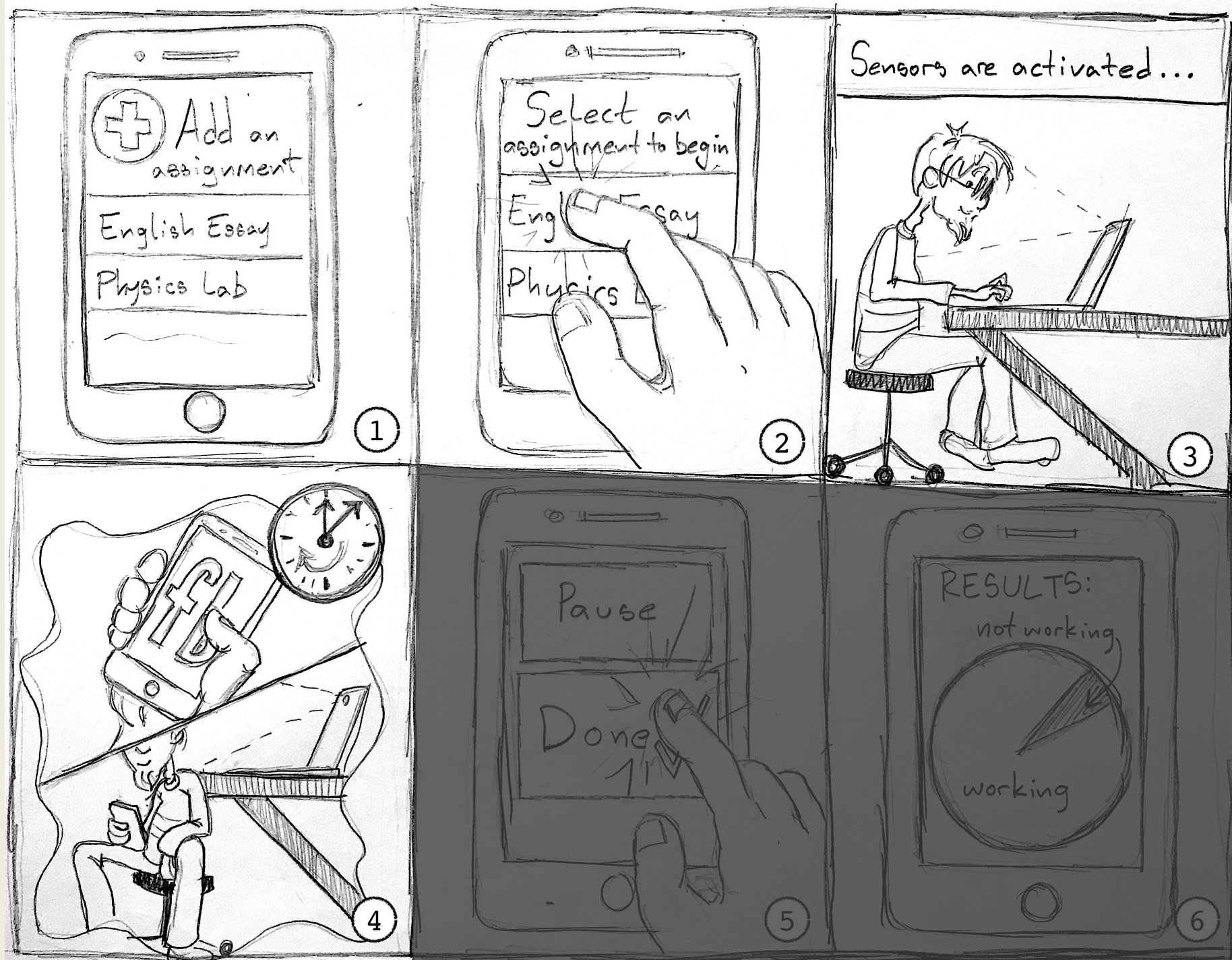
#1 | Time-Tracking

- Add assignments to list
- Select an assignment
- System begins tracking



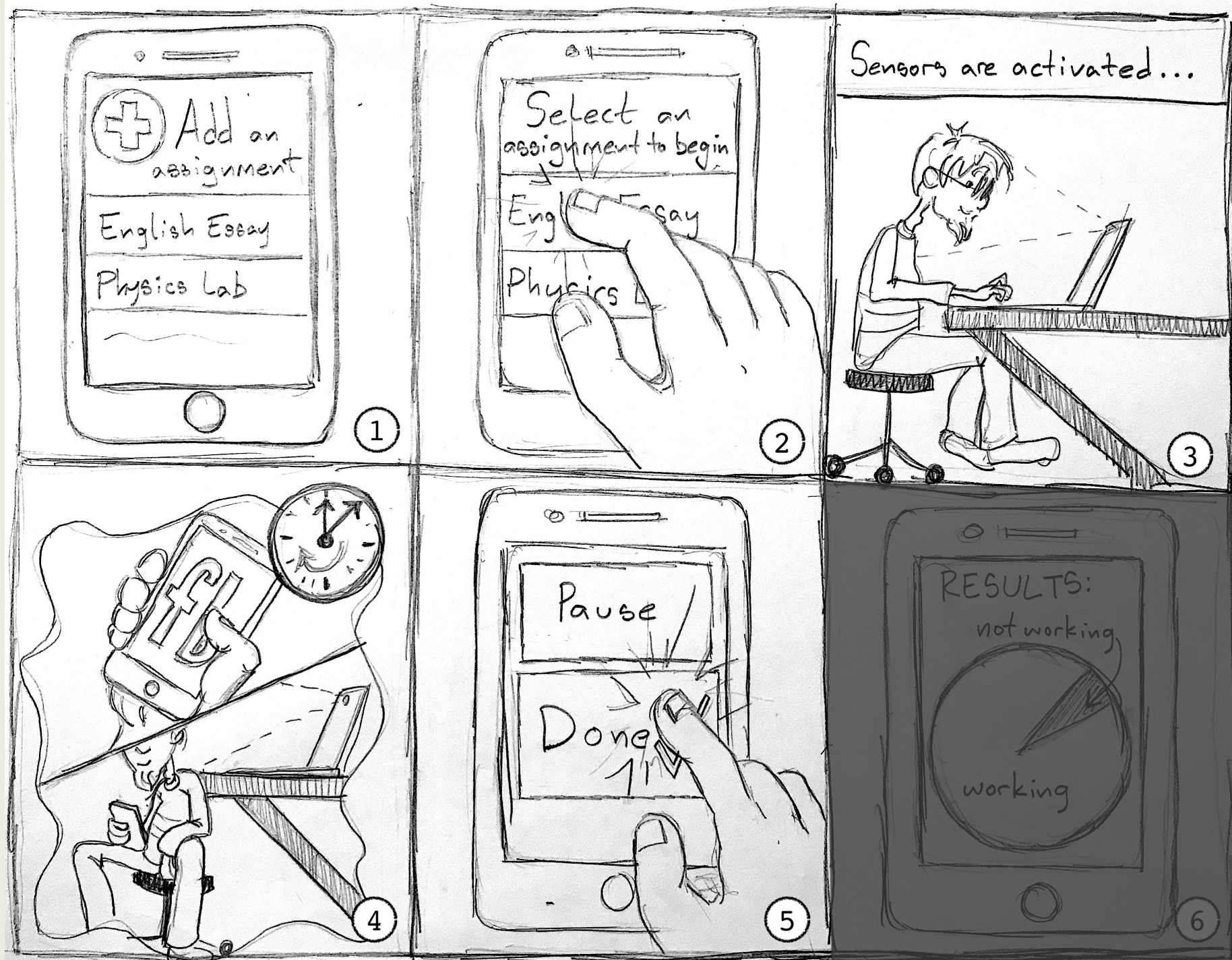
#1 | Time-Tracking

- Add assignments to list
- Select an assignment
- System begins tracking
- Time spent distracted from work is noted



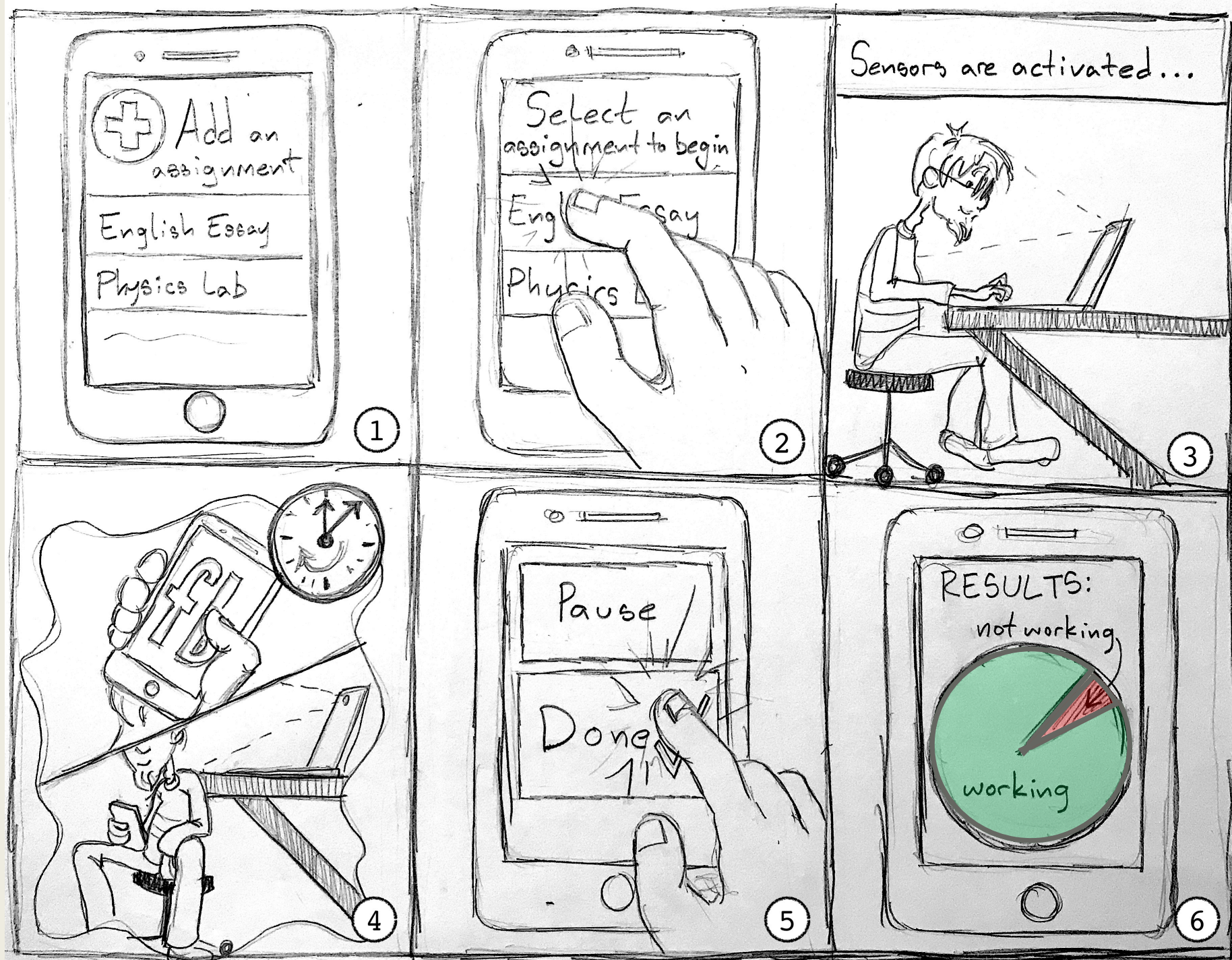
#1 | Time-Tracking

- Add assignments to list
- Select an assignment
- System begins tracking
- Time spent distracted from work is noted
- Pause or mark "Done" when session is finished



#1 | Time-Tracking

- Add assignments to list
- Select an assignment
- System begins tracking
- Time spent distracted from work is noted
- Pause or mark "Done" when session is finished
- Report results





Task #2 | Notifications

Notifications help promote
balanced time-usage

#2 | Notifications



#2 | Notifications

- Set distraction time limit



#2 | Notifications

- Set distraction time limit
- System begins tracking



#2 | Notifications

- Set distraction time limit
- System begins tracking
- Distractions trigger timer



#2 | Notifications

- Set distraction time limit
- System begins tracking
- Distractions trigger timer
- Once time limit is reached, notification is sent



#2 | Notifications

- Set distraction time limit
- System begins tracking
- Distractions trigger timer
- Once time limit is reached, notification is sent
- Happily back to work



Summing it up

- Distraction types vary from person to person
- Combining technologies broadens scope of tracking while minimizing the burden on the user
- Notifications can be used to promote balanced study habits





THANKS FOR LETTING US

distract you

FOR THE LAST 7 MINUTES