

Flicker

Portable Security
Device

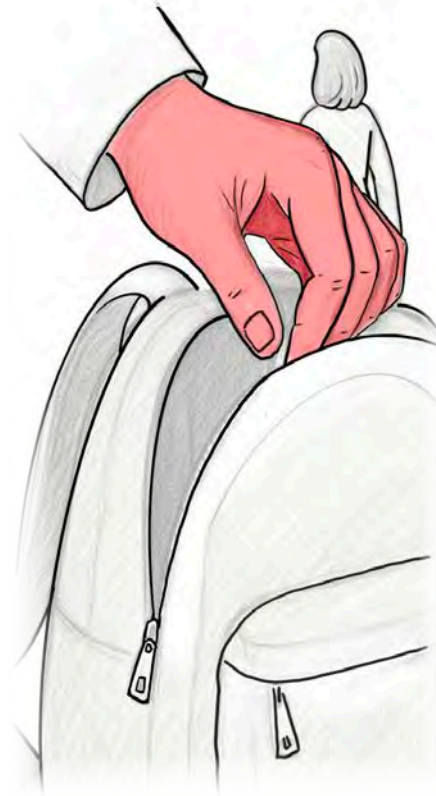
Flicker is a portable security device that safeguards personal belongings in shared or public spaces. Using an accelerometer, it delivers instant alerts when tampering is detected. This project highlights my skills in user interviewing, interface/experience design, and digital visualization.

4 Weeks | 1 Designer | Fall 2025



"In 2024, Americans lost nearly **\$6 billion to larceny-theft** — the most common property crime, accounting for over 70% of all cases."

- Federal Bureau of Investigation



The danger isn't force, it's how invisible it feels, leaving people uncertain and anxious about their belongings.

These images represent prominent products from each category.

Anti-Tamper Tags

Used to indicate unauthorized access.



Home Security

A wall-mounted smart doorbell with HD camera.



Tracking

Bluetooth tracker that helps locate personal items.



Security Tags

Used to prevent theft by triggering alarms if removed improperly.



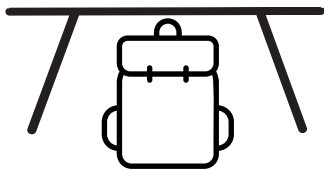
“Younger people experience **higher rates of theft** and property crime than older age groups.”

- National Crime Victimization Survey, Bureau of Justice Statistics

“**Female victims** of purse snatching were nearly twice as likely as male victims to report the theft to police.”

- National Crime Victimization Survey, Bureau of Justice Statistics





Hide

"At the lab I usually just tuck my bag under the desk and **hope for the best...**"

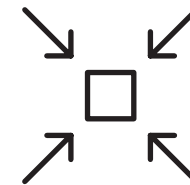
- Jocelyn
Lab Tech



Light

"I want something **light and cute**, that just stays on my purse."

- Olivia
Waiter



Small

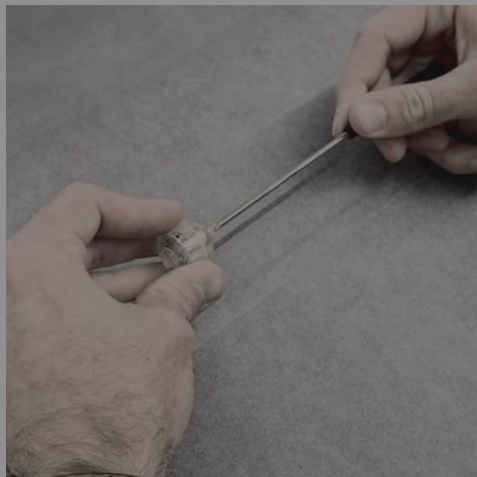
"It needs to be **small and out of the way** I like my bag and don't want it to change"

- Emily
Nurse



Project Intent

Design an unobtrusive, **motion-sensing accessory** that protects belongings in shared and public spaces.



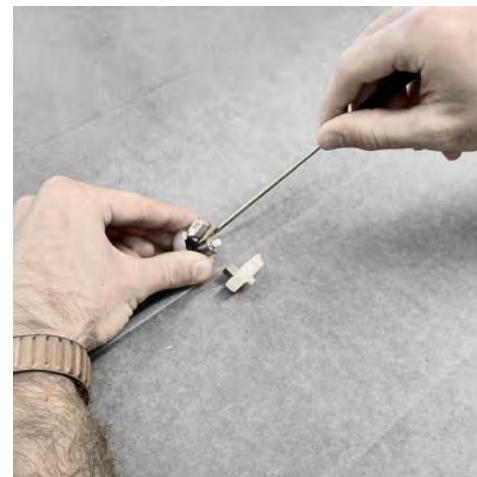
Shake Sensor

Bouncy Ball



Haptic Sensor

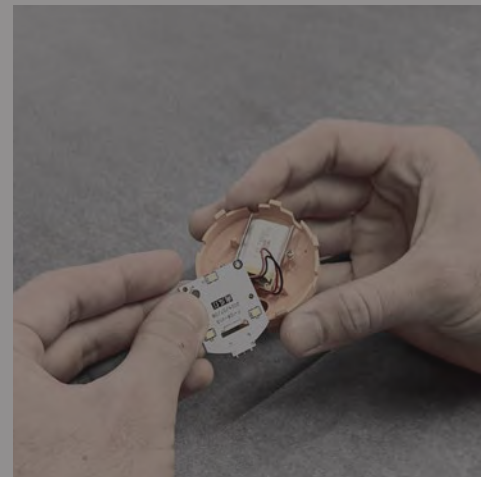
Bag Tag



Accelerometer

Detects motion
Adjustable sensitivity
Saves battery
Small & cheap

Cat Toy



Microphone

Pumpkin Decor

Design Goals Inspiration





THUMBNAIL IDEAS
DEVELOPED INTO
REFINED CONCEPT
EXPLORATIONS.

EXPLORING
ATTACHMENT
METHODS
THROUGH LOOP
INTEGRATION.

LED TO A SOFT,
LIGHTWEIGHT
FORM.

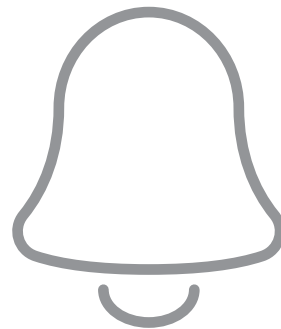


Exploration with light, color and material



Visual

Quick visual feedback that shows status and flashes when tampering is detected.



Audible

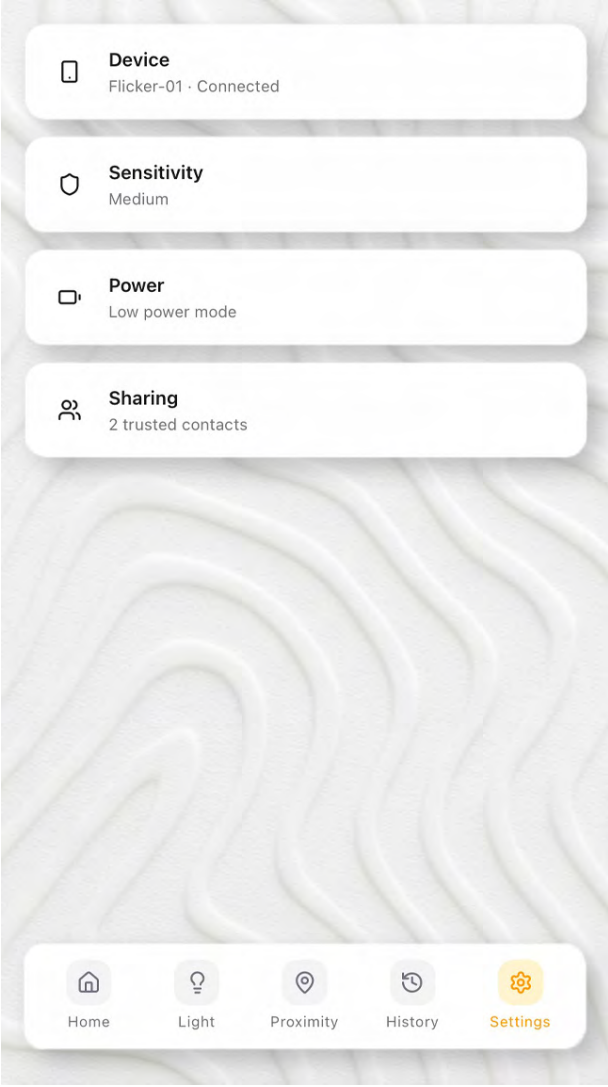
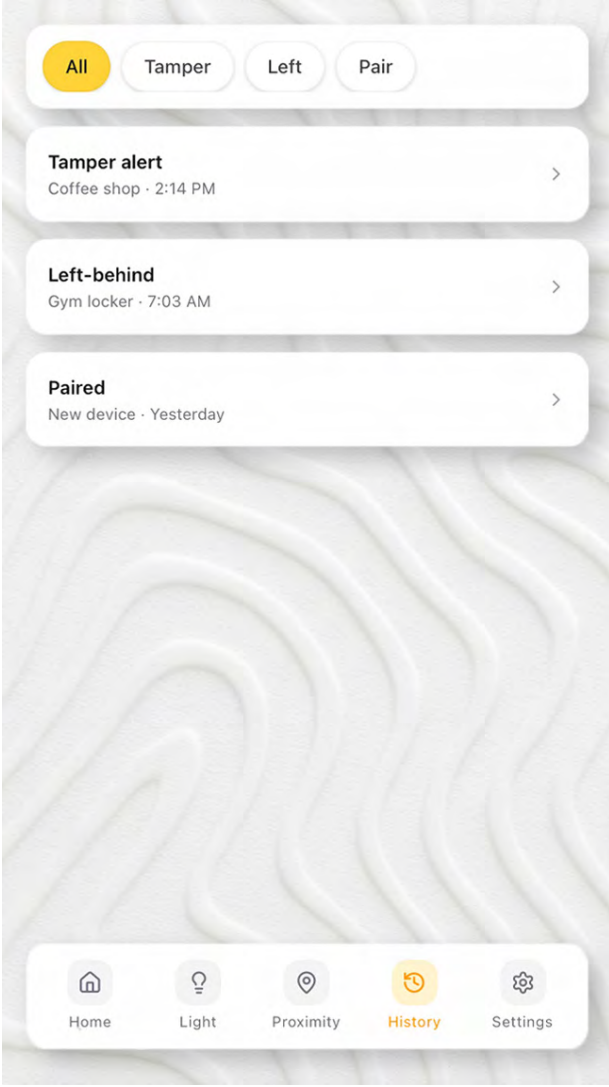
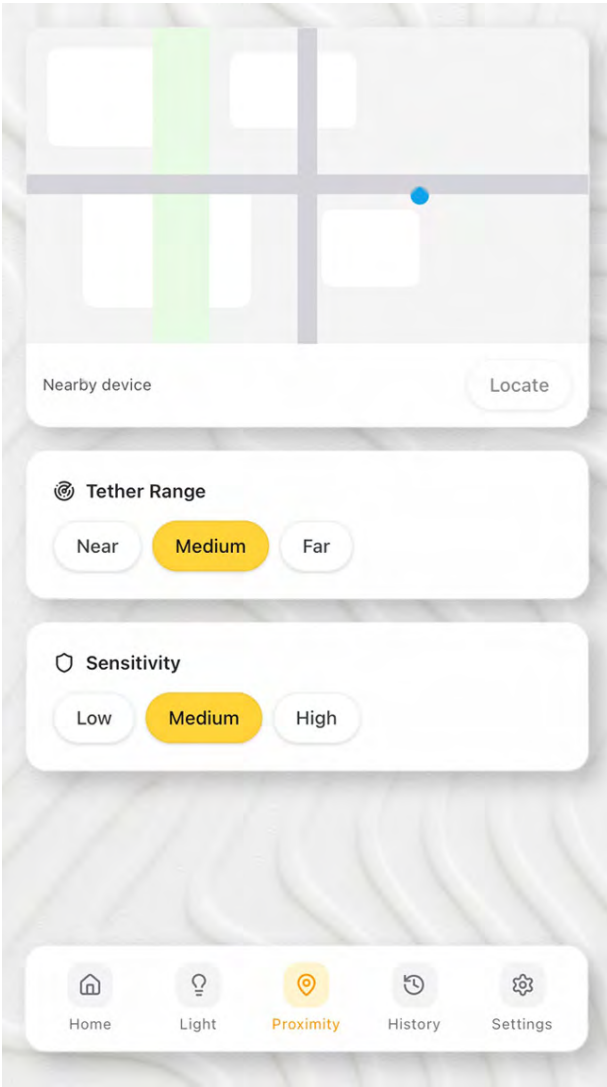
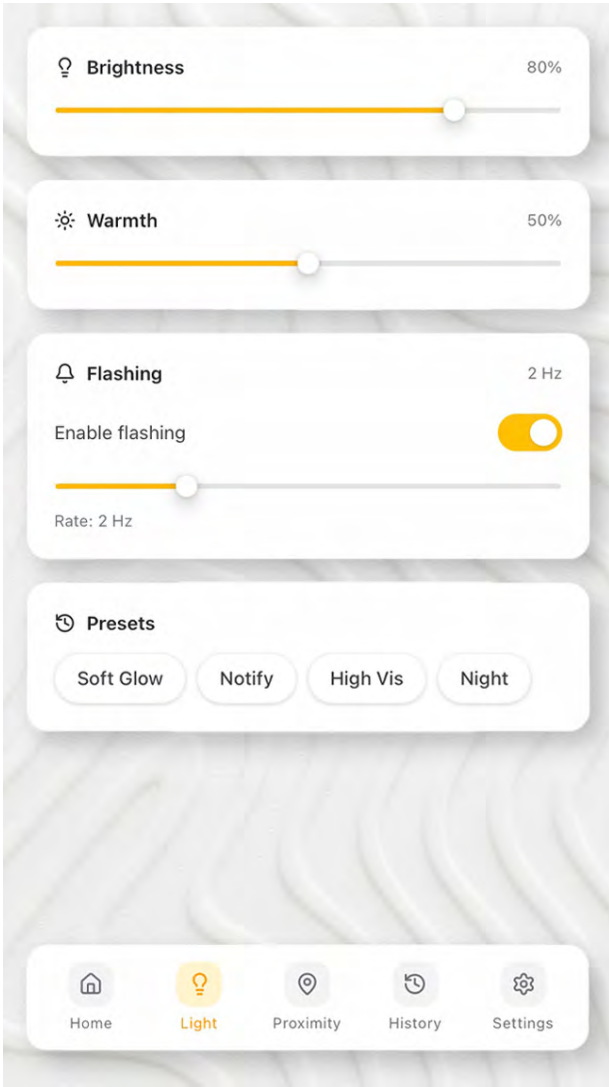
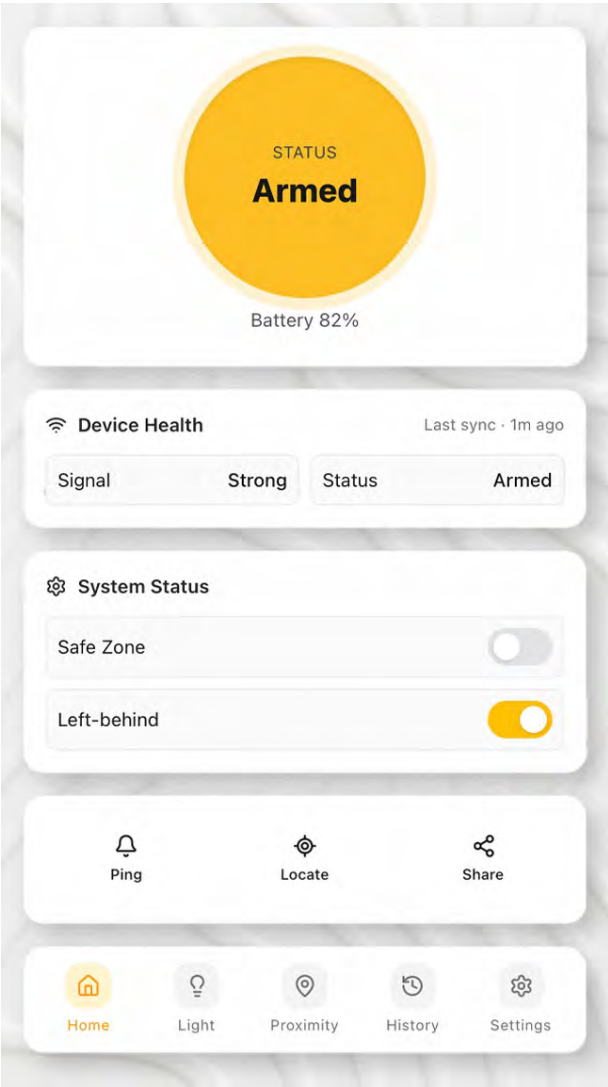
Subtle audio alert that grabs your attention without being disruptive.

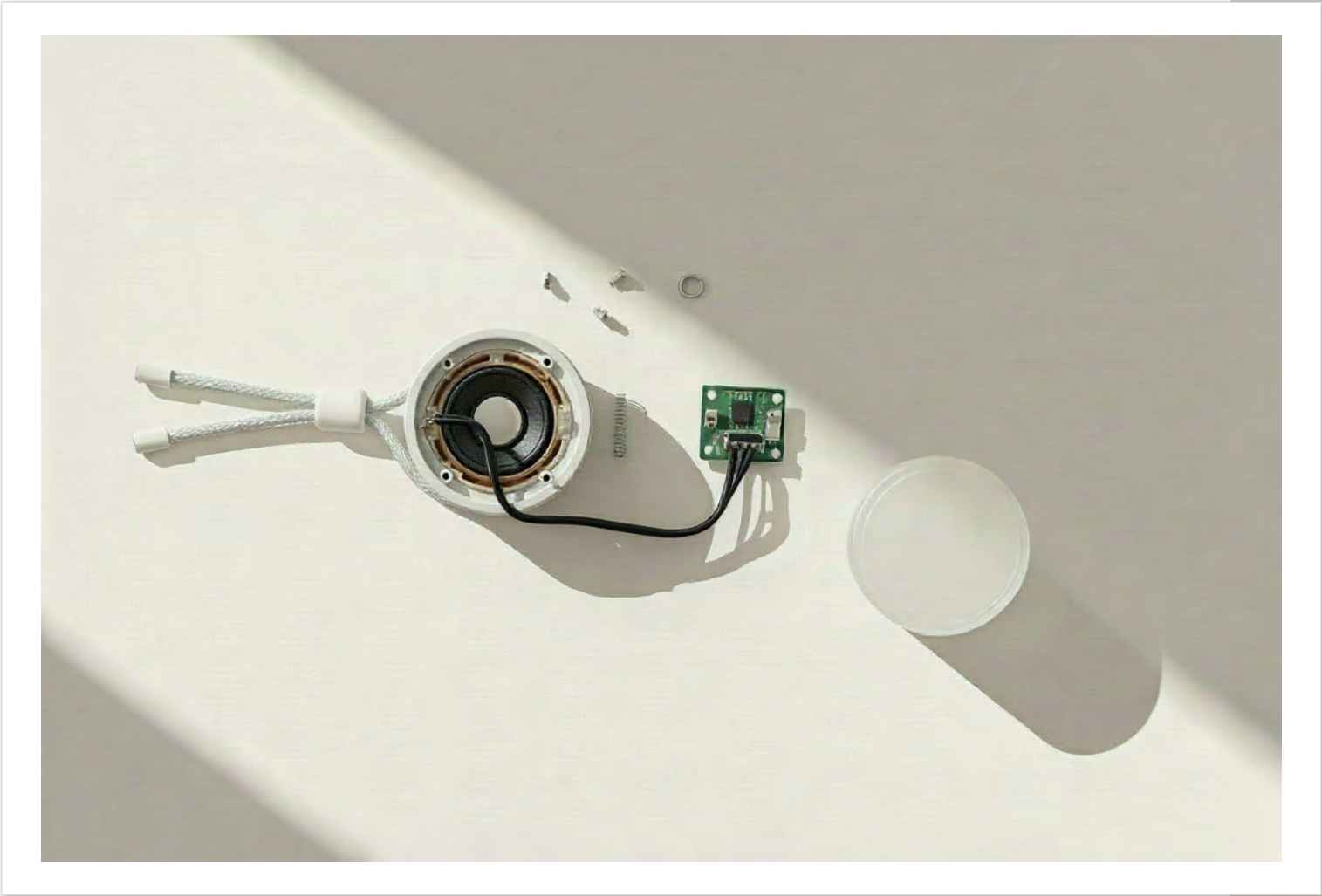


Digital

Sends notifications to your phone so you stay aware anywhere.





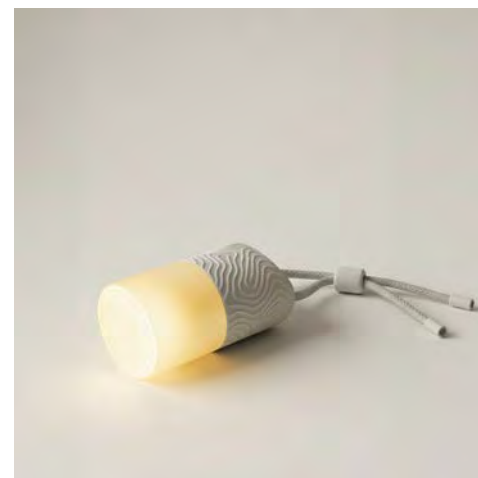




Top



Bottom



Side



