Alternate links

Demo the



https://play.google.com/ store/apps/details?id=c om.betterlostandfound





https://play.google.co https://play.google.com/m/apps/testing/com.b apps/internaltest/47015 etterlostandfound 95370371427022



version 2

Play store demo (Internal test)



internal app share (more steps)



https://tinyurl.com/4zajhkw2

Demo the land

password is 6 character minimum

(android only)

Better Lost and Found

Why I made a mobile app for my senior capstone

CAPSTONE JOURNEY

- 1. The Problem Lost and NOT found
- 2. Guiding Question
- 3. Survey
- 4. Notable Rejected Ideas
- 5. Better Lost and Found
- 6. How to use this app
- 7. Obstacles I faced
- 8. Timeline
- 9. How I made the app
- 10. Next steps
- 11. Shoutouts







Lost Laptop:

Folks - this Mac Laptop has gone missing. It contains a senior's portfolios for college. In addition to the identifying case, it has a blinking touc

If you have seen it, please let the Main Office know immediately – there is a \$200 reward for its return.



How do we engage the SLA community to look out for one another's lost items?

Lost and NOT Found

The Problem:

Current System

Lost and found bin

- No convenient way to notify owner their item is in the lost and found
- Items are seldom moved to the main office
- Annoying to dig around in smelly disorganized bin

Consequences

- Lost and found bin in main office always full
- More junk mail about other people's lost items
- Trust broken in lost and found system

The Problem:

Current System

Leaving the item alone

- Finders have to search a wider area if they don't know where the item is
- Items more likely to be mistakenly claimed

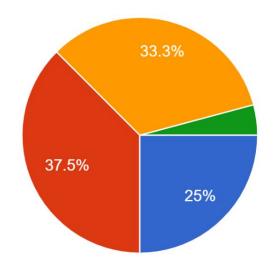
Consequences

- Junk buildup around classrooms
- Lost time looking for misplaced items
- Money wasted replacing items that cannot be found
- General inconvenience and stress for everyone involved

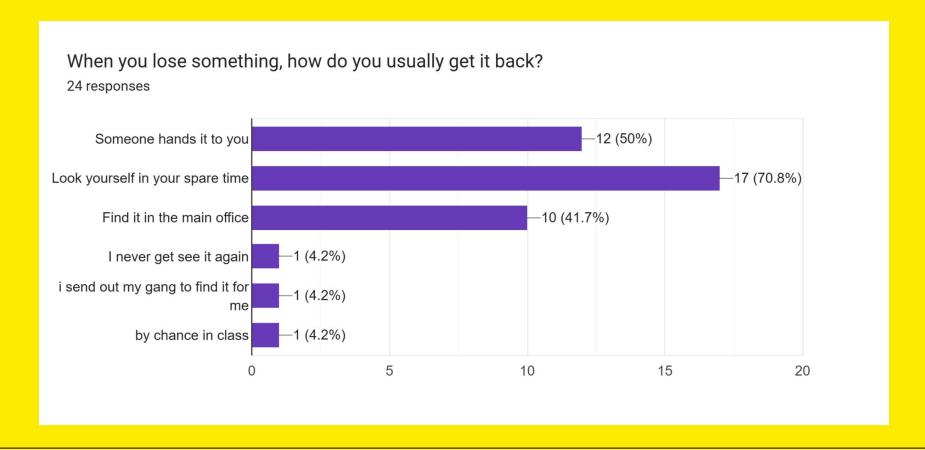


When you lose something in school how often is it found again?

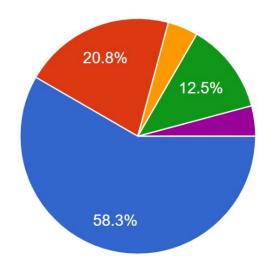
24 responses



- Never to be seen again
- Less than half the time
- More than half the time
- Almost always able to find them



If you stumbled upon a lost item, what would you do? 24 responses



- Turn it in to the main office
- Give back to the owner
- Keep it, or sell it for money
- Do nothing
- Refer it to a teacher or put it in the main office

Notable rejected ideas





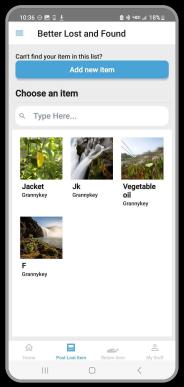
Brainstorming

- Putting rfid/bluetooth scanners on every floor of the building
- Bluetooth chip that yells when it gets too far away from your watch (screaming airtag)
- Putting sensors in each phone motel to remind students to take their phones before the next class
- Computer program that can sense devices' location in the building based on wifi and location of other users

Better Lost and Found Demo



iPhone



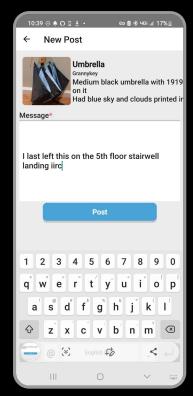
1. Choose your item

Press the big "HELP I LOST SOMETHING" button on the homepage, and pick an item. If you don't have one, you can make a new one.



2. Create new item

If you haven't added your item into the app yet, do so now. Make sure to describe any features that can be used to identify your item. Don't forget to add a picture! It's required.



3. Write your post

This post will tell people your item is lost. Write down any information on where your item could be located and how it can be returned to you.

How to use this app

Galaxy A51 display Aspect ratio 20:9



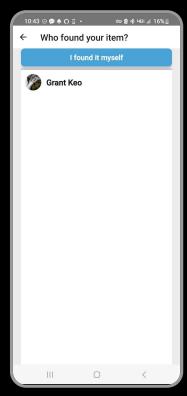
4. Found a lost item?

If you find a lost item, let the owner know! Tap their post & start a chat with them by pressing the Start Chat button on the bottom.



5. Chat!

The finder and the seeker can now talk to each other on whether the item matches, when and where to return it, and any other favors to exchange here.



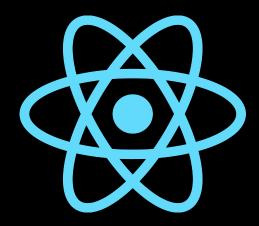
6. Mark item as found

Once the item is returned, the owner can now give credit to the finder by pressing the Found It! button and choosing the user.

How to use this

Galaxy A51 display Aspect ratio 20:9

How I made this app



React Native

Makes it possible to write Android & iOS apps in Javascript & React, instead of writing each individually Created by Meta



Firebase

The general set of tools provided by Google to do things like store data in real time

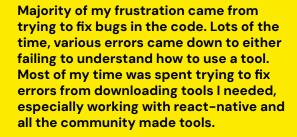


Android Studio & Xcode

The tools you need to develop Android & iOS apps, respectively

Obstacles I faced







Device issues

Apple only allows iOS apps to be built on apple devices via Xcode, which meant I needed a MacBook to develop the app. I don't have a mac nor an iPhone, but I was able to borrow my mom's and Mr. Hernandez's macbooks to write the app

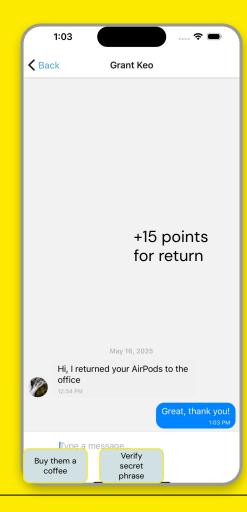
Money

It costs money to use the server for my app.

Hitting constant free trial limit so I could only work on an issue for 2 hours a day

Next steps

- Expand on reward techniques
 - Gamify the search via implementing a point system
 - Add a leaderboard to induce competitive helpfulness
 - Allow users to add bounties to encourage people to help look for the item
- Work on image recognition
 - The app would automatically match similar items to a camera snapshot to narrow down search
- Make posts easier and more intuitive to find and navigate
 - Reduce the amount of clicks & scrolling needed to search for items
- Fix all those errors in the app



Shoutouts

Mr. Hernandez



Mentor

Ms. Sessa



Advisor

Mr. Kamal



also gave advice

Girls who code



Test group

Thank You

Questions?

TIMELINE

Like many other people, I would change how I approached this capstone if I could do it all over again. Here's the amount of time I spent each day on Visual Studio Code from October 1st to June 3rd on the Macbook.

