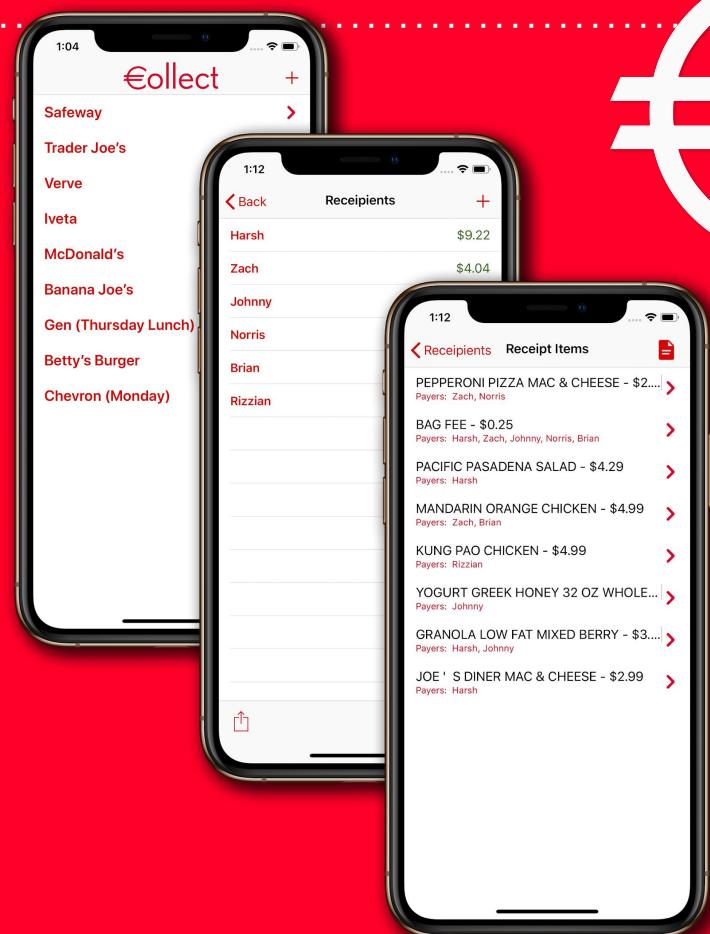




# €collect

from the collective

Brian Thyfault, Zachary Jicha,  
Harsh Karia, Norris Chan,  
Johnny Palacios, Rizzian Tuazon



# The Problem

Too often, one person ends up paying the bill for transactions among a group of people. That person, in addition to paying the full financial cost, has to manually split items as well as account for any additional fees. With modern technology, this problem should not exist. With Collect, our users will be able to intuitively split receipts among their peers.



# Goals

- ★ Be able to scan receipts and save it to the phone
- ★ Be able to enter names into the app and assign items to be split among each name
- ★ Be able to have high level view of a receipt to see who owes what
- ★ Be able to share debts to people from the app
- ★ Be able to mark names as paid
- Be able to login with a user system
- Be able to send out transactions using 3<sup>rd</sup> party payment systems

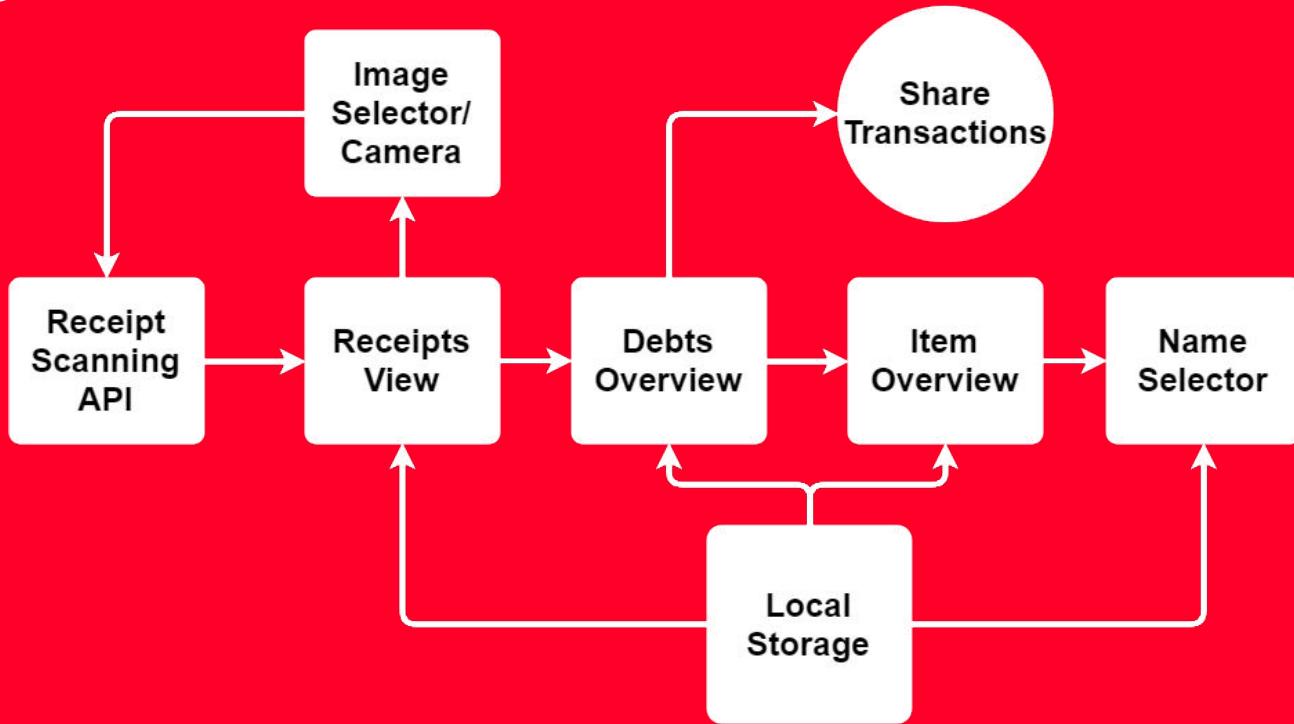
# Biggest Accomplishments

- Achieved a minimum viable product
- Learned how to use new technologies, APIs, and frameworks
- Learned key PM practices such as proper code standards, version control, Git

# Biggest Challenges

- Learning curve
- Unit testing
- Underestimating time to complete tasks
- Debugging
- Deciding which backend database we wanted to use (i.e. Core Data vs. Firebase)

# System Overview



# Technologies

- TagGun
- Alamofire
- SwiftyJSON
- Core Data
- Swift & Xcode

# PM Techniques

- Trello (for Scrum board)
- GitHub (Version Control)
- Scrum meetings every day
  - 15 minute standup
  - Remainder of time spent on development

# Things we...

## Enjoyed 😊

- Everyone helping each other out
- Working with people with different backgrounds
- Seeing our project come into completion

## Didn't Enjoy 😞

- Being on a constant time crunch
- Learning Core Data
- Merge conflicts

# Lessons Learned...

**What worked/what we will  
keep doing:**

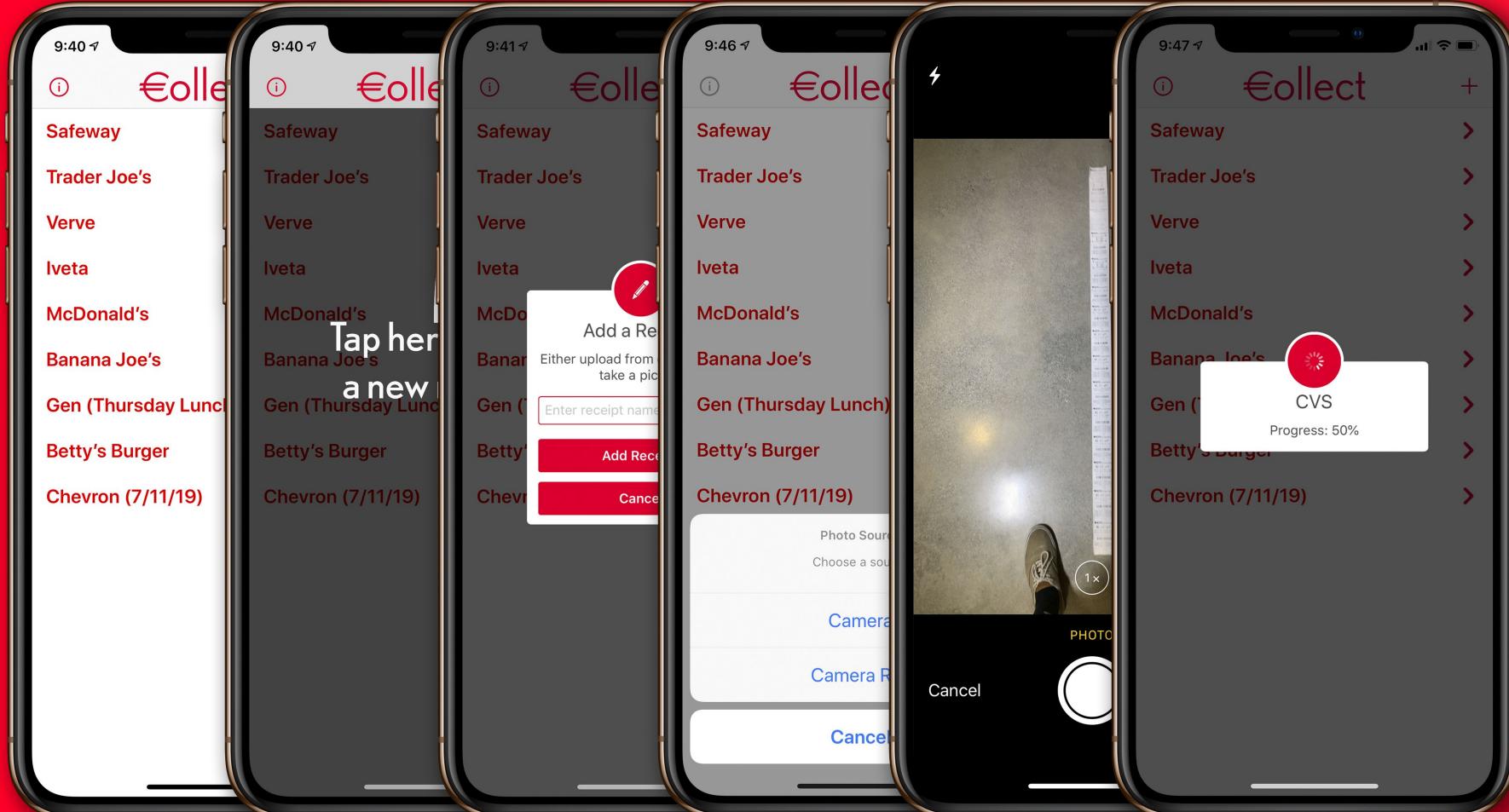
- Agile Process
- Scrum Meetings
- Constant Code Committal

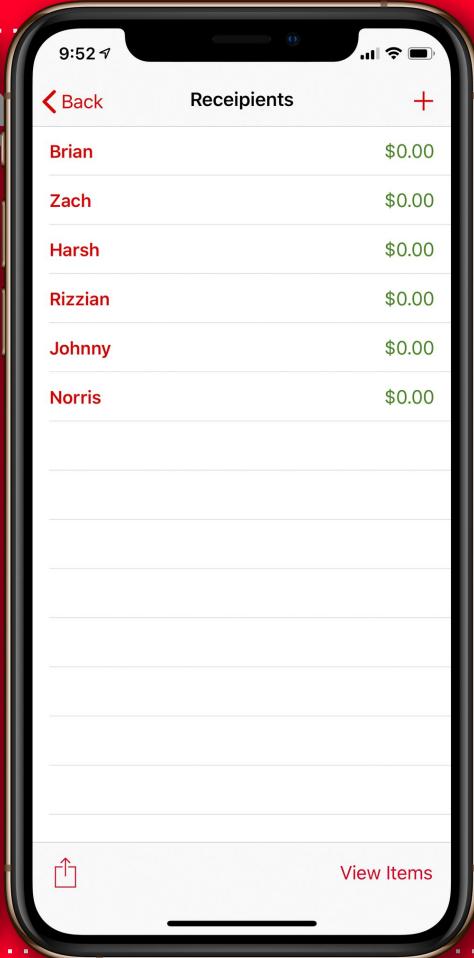
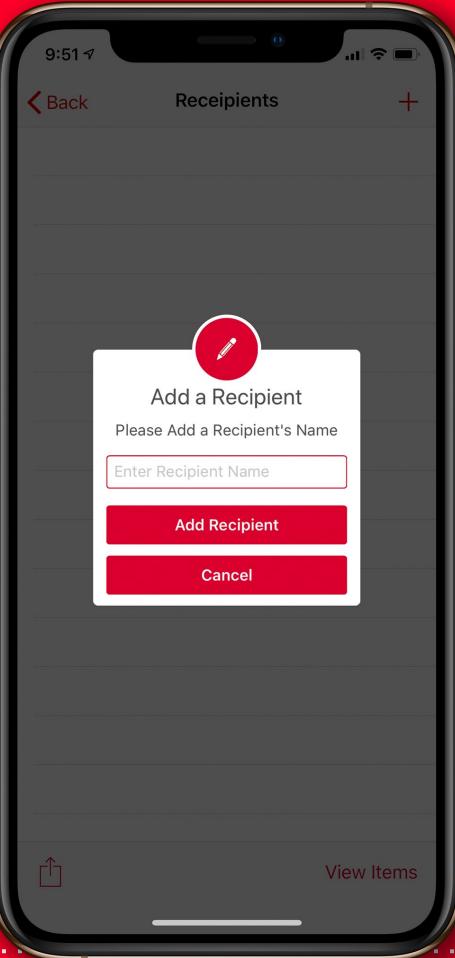
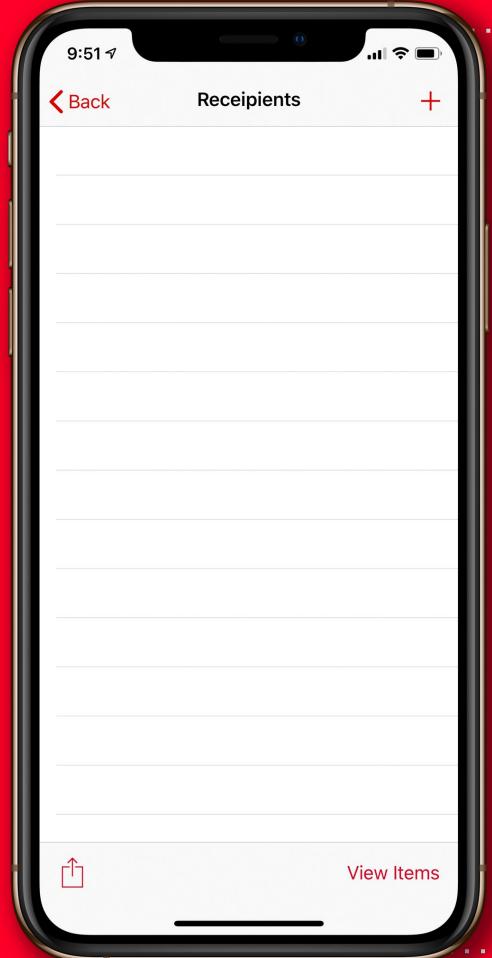
**What didn't work / what we  
should have done**

- Better Communication
- Code: Style Guide
- Have in-app payments

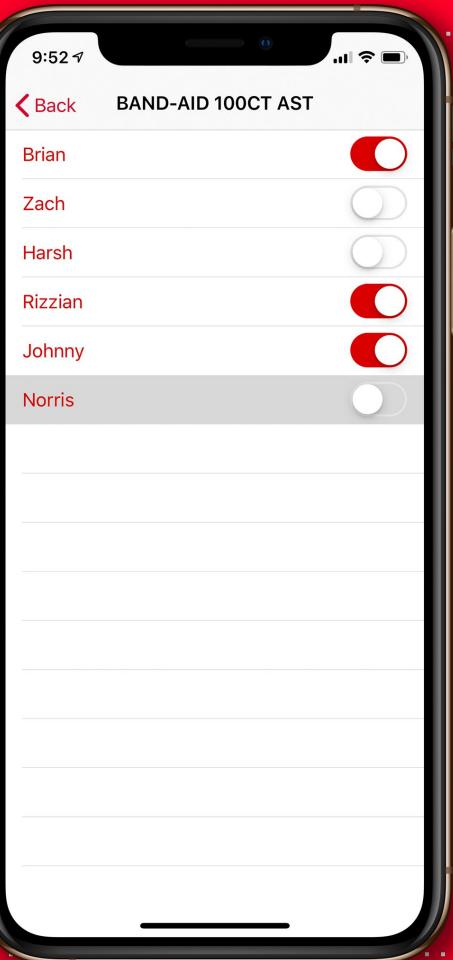
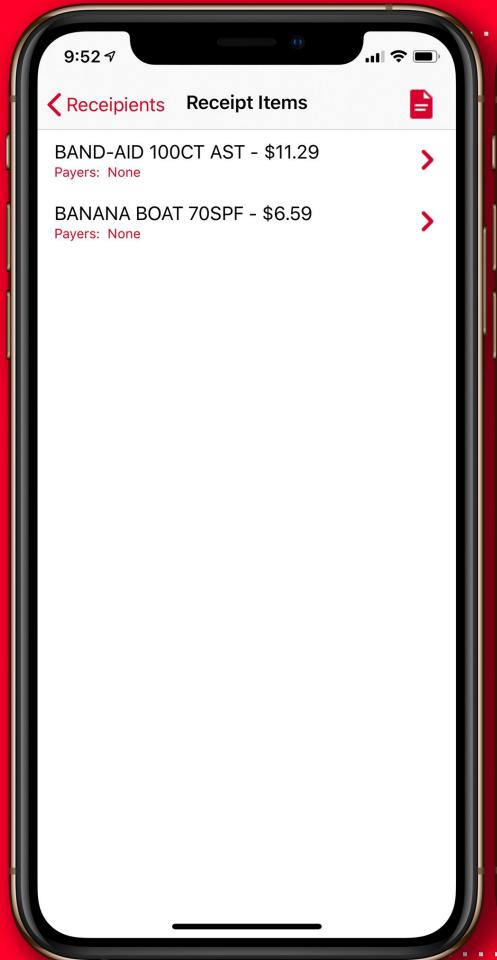
# Splash Screen



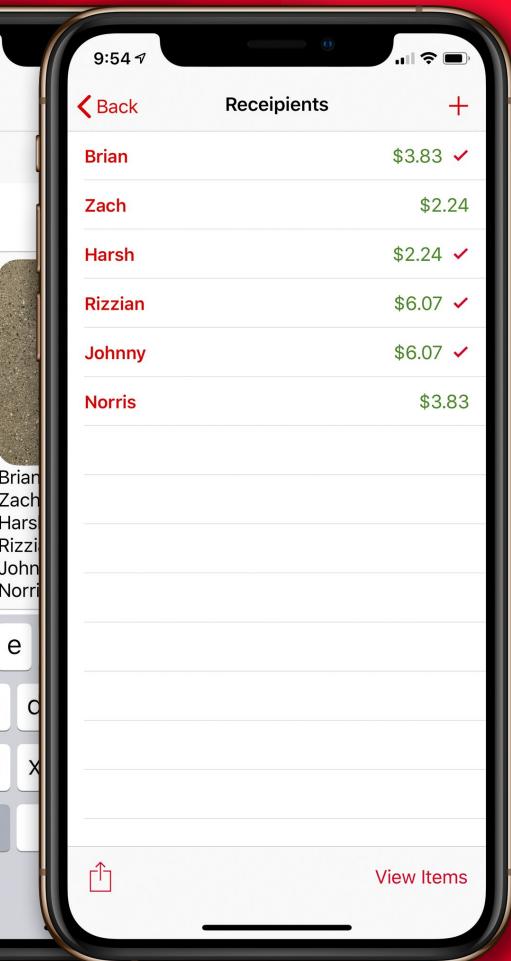
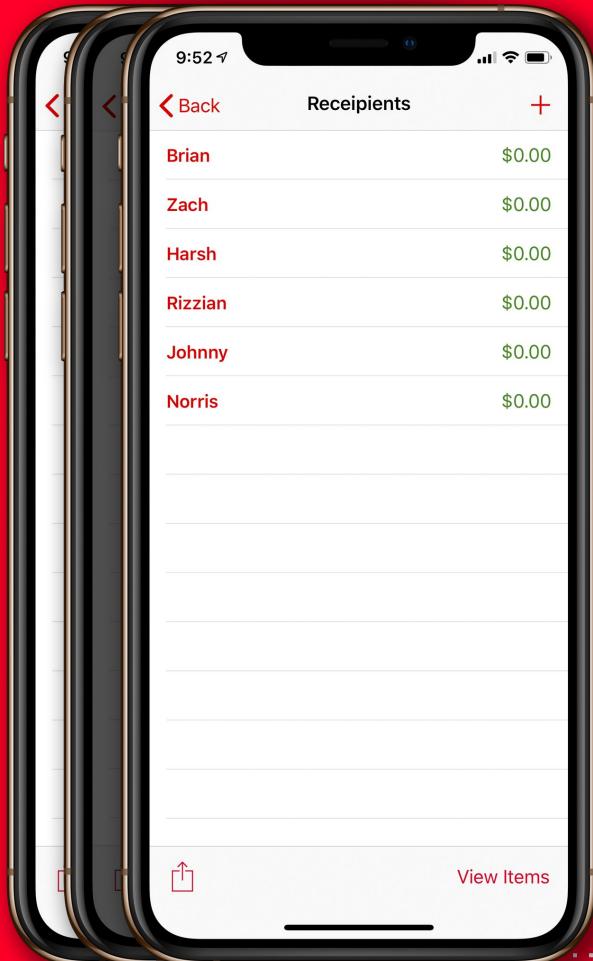




# List



# Rec View



# Thanks!

Any questions?