

Alex Weitzman || Ellen Roper || Janna Huang || Starr Jiang

The Team



Alex Weitzman



Ellen Roper



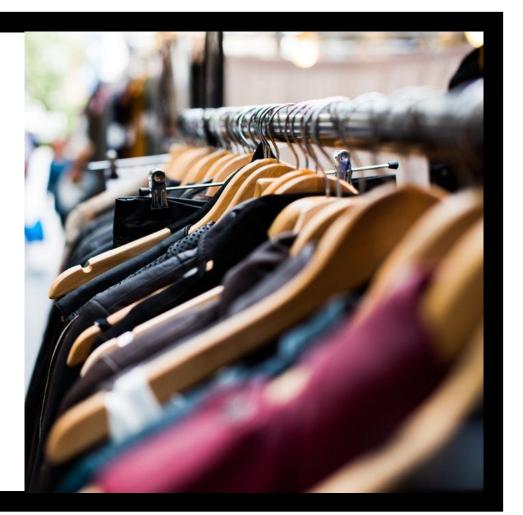
Janna Huang



Starr Jiang

armoir

find that missing piece

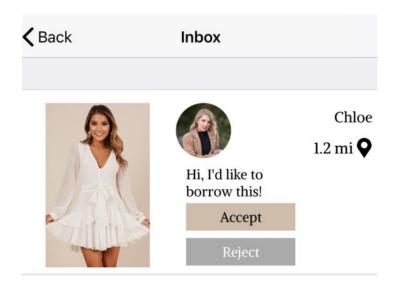


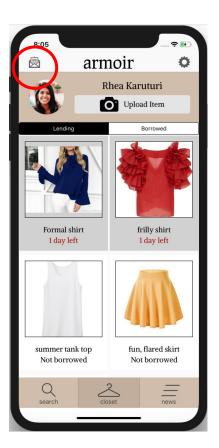


Overview

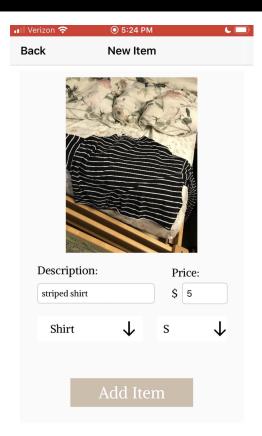
- 1. Prototype Changes
- 2. Methods & Tasks
- 3. Test Measures
- 4. Results
- 5. Discussion

Added Inbox feature





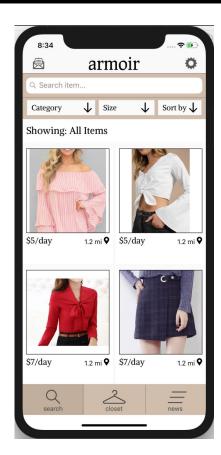
- Added Inbox feature
- Added camera functionality for uploading photos



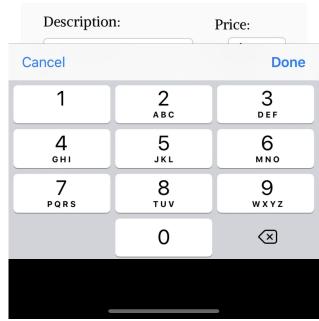
- Added Inbox feature
- Added camera functionality for uploading photos
- Cosmetic changes:
 - Made bottom bar smaller and simplified icons



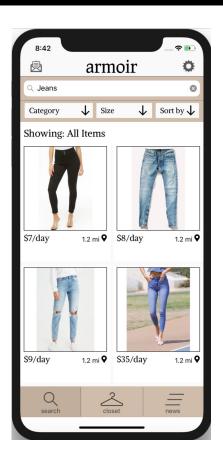
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- Cosmetic changes:
 - Made bottom bar smaller and simplified icons
 - Fixed stretched photos



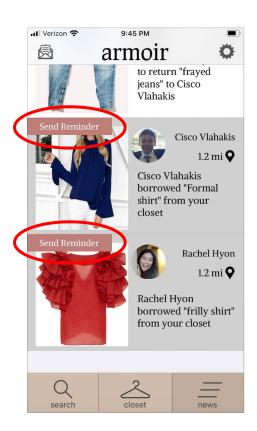
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- Functionality: search, closet
- Added Send Reminder buttons





Method

Participants

College students living in same community



Annie, She/Her Junior Has bought clothing on Facebook Free & For Sale



Anqi,
She/Her
Junior
Has shopped on
Depop



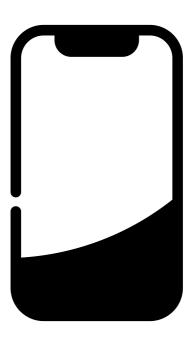
Lenny,
He/Him
Hesitant about online
shopping, used to work at
Men's Wearhouse



Ryan, He/Him Has not bought clothing online

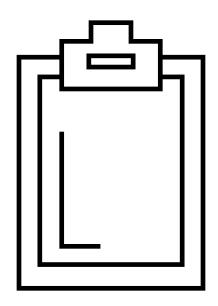
Apparatus

- iPhone with screen recorder
- Filmed with iPhone cameras
- Firebase for registering clicks
- Ran tests in participants' rooms/closets



Procedure

- Pre-written script for short demo of system
- Signed consent form for data collected
- Handed out 5 tasks on separate index cards for participants to complete
- Debriefing interview
 - Follow-up questions on completing tasks
 - Thoughts & feelings while using app



Original Tasks



Simple: **Explore clothes**

Medium: Borrow clothes

Complex: Lend clothes





Focus on tasks in lender/borrower interaction

- **#1: Explore and request to borrow clothing**
- #2: Upload clothing to your account
- **#3: Approve borrow requests**
- **#4: Keep track of exchanges**
- **#5: Keep track of exchanges**



Borrower

#1: Explore and request to borrow clothing

"Find a pair of jeans and request to borrow them"

What we looked for:

How did users search - Keywords? Size? Type?



Lender

#2: Upload clothing to your account

"Upload an item of clothing from your closet"

What we looked for:

- What items did participants choose?
- How did participants choose the price they set?



Lender

#3: Approve borrow requests

"Approve a request to borrow a clothing item"

What we looked for:

Could users find the new inbox feature?



Lender

#4: Keep track of exchanges

"Send a reminder to get clothing back"

What we looked for:

• Is this process intuitive & easy to find?



Borrower

#5: Keep track of exchanges

"Check when your borrowed clothing is due"

What we looked for:

Where did users go to find this information?

Test Measures

- Completion of each task
- Time to complete each task
- Errors made while completing task
- Critical Incidents (+/-)
- Thoughts/feelings while completing tasks

Results: At A Glance

Task	Average Completion Time	Fastest Time	Total Errors	Completed
1	37.29 s	34.39 s	1	4/4
2	67.18 s	34.61 s	2	4/4
3	20.05 s	5.8 s	7	4/4
4	68.2 s	30 s	16	1/4
5	7.8 s	3.4 s	0	4/4

Task 1: Find a pair of jeans & request to borrow them

Average Completion Time: 37.29 s

Fastest Time: 34.39 s

Errors: 1

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Average Completion Time: 37.29 s

Fastest Time: 34.39 s

Errors: 1

Task 2: Upload an item from your closet

Average Completion Time: 67.18 s

Fastest Time: 34.61 s

Errors: 2

Task 2: Upload an item from your closet

Critical Incidents:

- Desired guidance about how to take good photos
- 2 participants expressed it was unclear that they were supposed to upload clothing from their own closets because they only saw professional-looking clothing on the app
- Confusion as to price being price/day or flat rate

Task 3: Approve a request to borrow a clothing item

Average Completion Time: 20.05 s

Fastest Time: 5.8 s

Errors: 7

Task 3: Approve a request to borrow a clothing item

Critical Incidents:

- Attempted to find it in news first
- 2 participants wanted some sort of confirmation that request went through
- 2 participants were easily able to find it and stated that it was intuitive

Task 4: Send a reminder to get clothing back

Average Completion Time: 68.2 s

Fastest Time: 30 s

Errors: 16

Task 4: Send a reminder to get clothing back

Critical Incidents:

- All participants were confused
- "This is stressful"
- 3 participants did not recognize the "Special Reminder" as a button
- 2 thought the entire cell was a button
- All but 1 needed a hint, only success was accidental



Task 5: Check when borrowed clothing is due

Average Completion Time: 7.8 s

Fastest Time: 3.4 s

Errors: 0

Task 5: Check when borrowed clothing is due

Critical Incidents:

- Even split between going to closet vs. going to news tab to find the information
- Testers were quick to complete this task in every trial

Debrief Takeaways



Inbox should be for personal,

one-on-one conversations as a way to
correspond individually with people to
handle logistics. News should be
objective information like how many
days are left



Maybe there should be a **third tab for returns** where people can see, like, their items that are being borrowed for the sake of handling return logistics

 People grasped the concept of the app easily and were generally able to intuitively navigate it

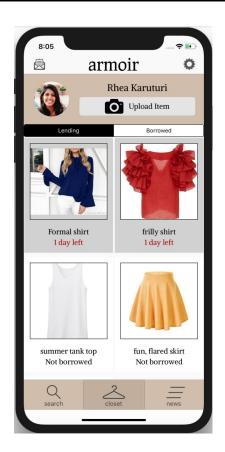
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- Task 4 (send a reminder) was by far the most challenging, and people found it somewhat stressful to accomplish

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 - 4/4 people tried to or expressed a wish to send a reminder through the Closet page

- People grasped the concept of the app easily and were generally able to intuitively navigate it
- Task 4 (send a reminder) was by far the most challenging, and people found it somewhat stressful to accomplish
 - 4/4 people tried to or expressed a wish to send a reminder through the Closet page
- Users were open to the idea of having multiple day loans and setting price/time span themselves

Send Reminders

- Send reminders by clicking on a lent out item (in the Closet page) rather than navigating to a separate News page
- Make buttons more obvious



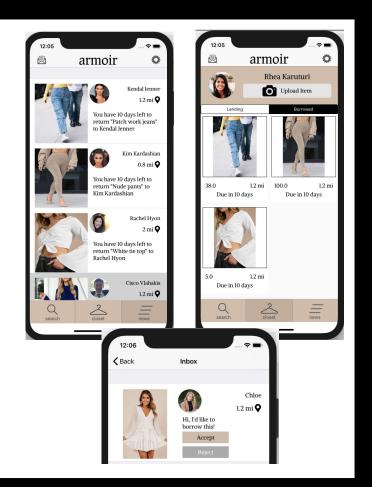
Loan Timeframes

 Option to set loan-out times and price accordingly



News vs. Inbox vs. Closet

- Clarify which does what function
- Consolidate News & Closet?



Add Onboarding Support

- Provide a guide for users to upload their clothes through explicit/implicit norms
- Create account screen and customize closet

Potential Changes: Future Testing

- Test on different student housing communities (Co-Ops, Self-Ops, Freshman dorms, Greek organizations)
- Require more complicated tasks such as tagging and filtering searches

Summary

- Usability tests with 4 subjects, chance encounters in a four-class dorm
- Most tasks were achievable; Task 4 (Send Reminder) was most challenging and needs to be amended in further iterations
- Redesign needed for clarification on News,
 Inbox, and Closet tabs

Questions?