Easy Delivery Tracking



Kevin Biro, Yulun Wu, Zhao Ji Wang, Jin Ting Zhou, Yunfei Wang

Phase I - What are the problems with today's package delivery tracking system?

- Tracking packages from many different sites can be tiresome.
- The current tracking methods are flawed:
 - a. Ineffective tracking methods cause packages to arrive when no one is home.
 - Lack of photo information sometimes causes defective products to be delivered.







Sorry we missed you...

Track your package(s) at ups.com using the UPS InfoNotice® receipt number (provided above), or see the back for more detail



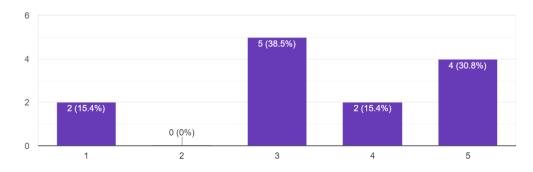
Phase I - Proposed Solution

- Concentrate all packages in ONE mobile APP.
- AUTOMATICALLY track package(s) from added account(s).
- MANUALLY add or delete package(s) is ALLOWED.
- LIVE location during the delivery process on map.

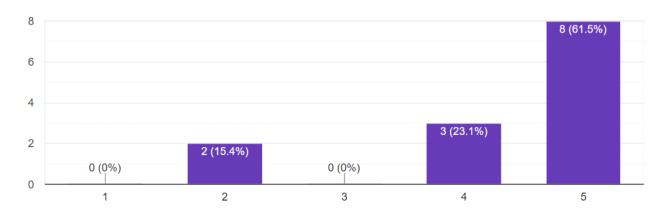


13 participants

How often do packages arrive when nobody is home?

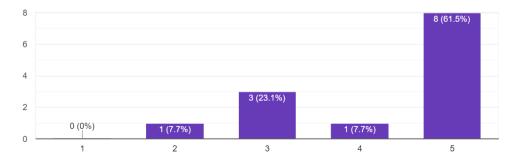


Being able to locate the package on a map when it is being delivered.

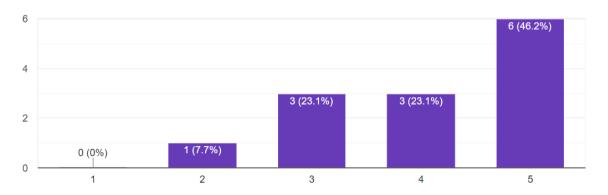


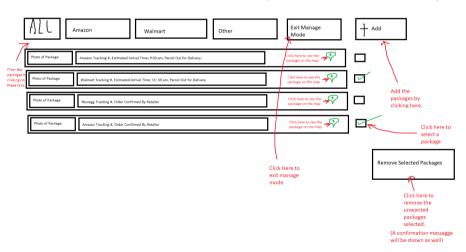
How helpful do you think if a package/delivery tracking APP with the following features will be in improving your online shopping experience?

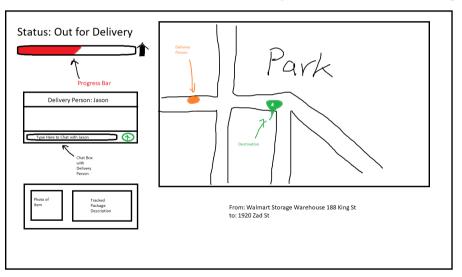
Being able to track all your packages purchased on different platforms (E.g. Amazon, newegg, etc.) by adding your account in one single APP.



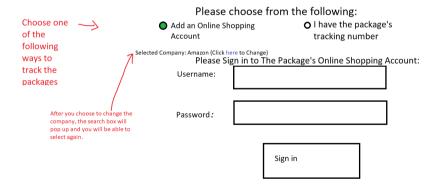
Being able to sort on the packages you have regarding on their provenance (for example: Amazon, UGG, Walmart).











Phase II - Data Gathering - Interview

- 2 participants from the survey
- Given low-fidelity prototypes
- Ask for comments on given prototypes.

Phase II - Data Gathering - Interview Result

- Good idea in general
- Filter for the different patterns instead of tabs
- The chat box is useless

Phase III - High Fidelity Prototype - Track



Phase III - High Fidelity Prototype - Track (status)



Phase III - High Fidelity Prototype - Track (map)



Phase III - High Fidelity Prototype - Add - Package



Phase III - High Fidelity Prototype - Add - Account



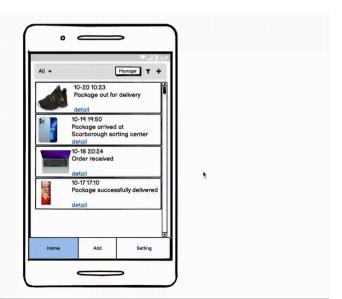
Phase III - High Fidelity Prototype - Delete



Phase III - High Fidelity Prototype - Delete



Phase III - High Fidelity Prototype - Delete

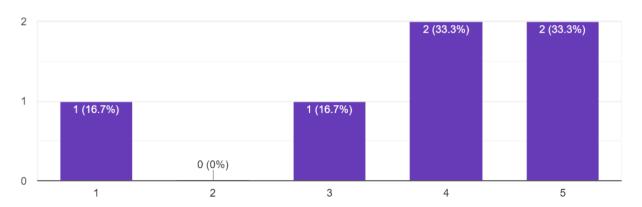


Phase IV - Usability Study

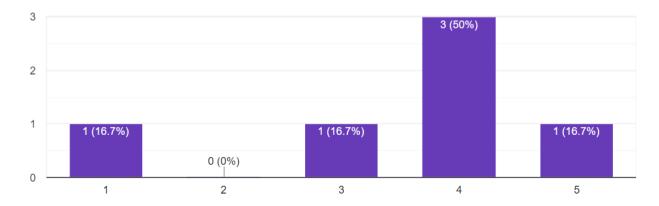
- 6 users, undergraduate students, various majors.
- Pre-study Questionnaires
- Observation of user tasks
- Post-study Questionnaires

Satisfactory results, overall rating of 3.67
Note: One of the participants rated 1 star but gave very positive comments

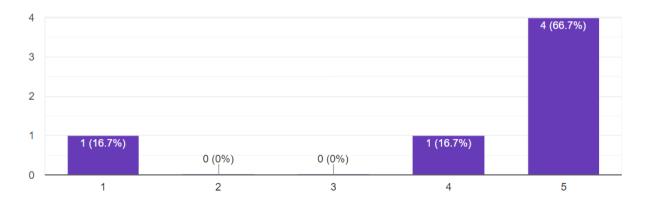
Please rate your experience with Track Function



Please rate your experience with Add Function



Please rate your experience with Delete Function



Positive responses of the Track Function

- Very straightforward, Good/Easy to use.
- Information can be reached with a very few number of clicks.
- Information such as maps are clearly displayed.
- The ability to filter out unwanted parcel is very useful.

Negative responses of the Track Function

- Little bugs exists.
- Design is not very appealing.
- Some information is hard to read.
- Some buttons could be clarified.
- Universal accessibility can be better implemented.

Positive responses of the Add Function

- The add function is not complex
- Not time consuming
- Nice catch of what the user needs

Negative responses of the Add Function

- Placement of buttons can be organized better
- No indication of selected account
- A little complex

Positive responses of the Delete Function

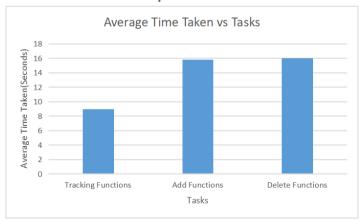
- Easy to find and use
- Having a shortcut for deleting multiple items is convenient
- Two ways of deleting adds flexibility
- Small deletion button can reduce error

Negative responses of the Delete Function

• The manage button can be better defined for deletion

On average:

- less than 10 seconds to complete the tracking tasks
- less than 16 seconds to complete add and delete tasks

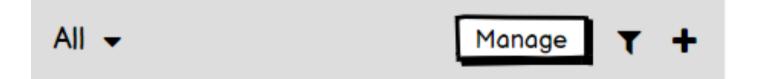


Phase IV - Limitation

- Not able to compare our APP with individual shopping websites.
- There exist contradictory data in the response of questionnaires.
- The sample size is too small.
- The backgrounds of participants are not diverse.

Suggestions from participants.

• The manage button need a better name.



Suggestions from participants.

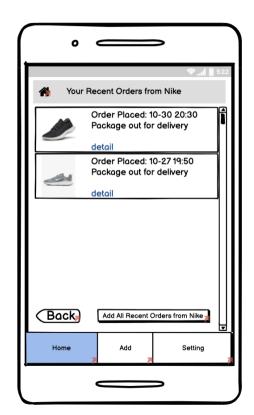
Click any place of a package to its detail page.



10-17 17:10 Package successfully delivered

detail

• Remove this step under add an account.



Allow delete account(s).

Allow adding multiple packages at once.

Please Enter the Tracking Number of your Package:

7829138984