



Project 3.1: Initial Design

Lost&Found Application

Rochester Institute of Technology

May, 2014

Group Members:

- Alex Goldberger
 - Balaji Iyengar
 - Chirag Chandrakant Salian
 - Shitao Guo
-

1. TASK ANALYSIS

TASK ANALYSIS 1

Task Name: Filling out the lost item form

User: Person who lost an item

Before opening the app:

The user who lost an item at RIT would fill out the lost item form using the app after exhausting their other search options such as: looking in the places where they think they may have lost it, checking with friends to see if they found it.

Notes:

They could be in many different locations when reporting the lost item: at home (on or off-campus), in the lab, on the bus. A mobile app would be useful for reporting from anywhere.

With the app open:

The user would have to fill in the description of the item they lost. They would select the item type and then whatever else is relevant such as color and brand. When they have finished detailing the item they would submit the entry.

Notes:

The descriptors would have to be selected from a list when possible to increase the chances of a found item entry matching the lost item entry and so that the database could analyze the items and locate matches.

After using the app:

Wait for a notification saying that their item may have been found.

Notes:

A notification would be important so the user does not have to keep checking the app like they currently check the Lost & Found offices.

TASK ANALYSIS 2

Task Name: Finding a Lost & Found office using the Lost & Found app

User: Person who found a lost item

Before opening the app:

The user found an item, decides they want to return it, and does not know where the nearest Lost & Found office is.

Notes:

If they know where the office is, they may not want to use the app.

With the app open:

The app uses the phone's GPS to tell the user where the nearest Lost & Found office is based on their location. It also helps them navigate to the office. While navigating to the office they would have the option to fill out information about the item.

Notes:

Once they are indoors, written directions would have to be provided since the GPS would be hard to use inside and there may be multiple floors. If the user needs directions, they probably will not be able to fill out the form.

After using the app:

The user would give the item to the Lost & Found admin.

Notes:

If the app was not used to log the location of the lost item, then the user and the admin would have to discuss where the item was found.

TASK ANALYSIS 3

Task Name: Filling out the found item form

User: Lost & Found Admin

Before opening the app:

A person who found an item would enter the office with a lost item.

Notes:

The person who delivered an item may or may not have used the app.

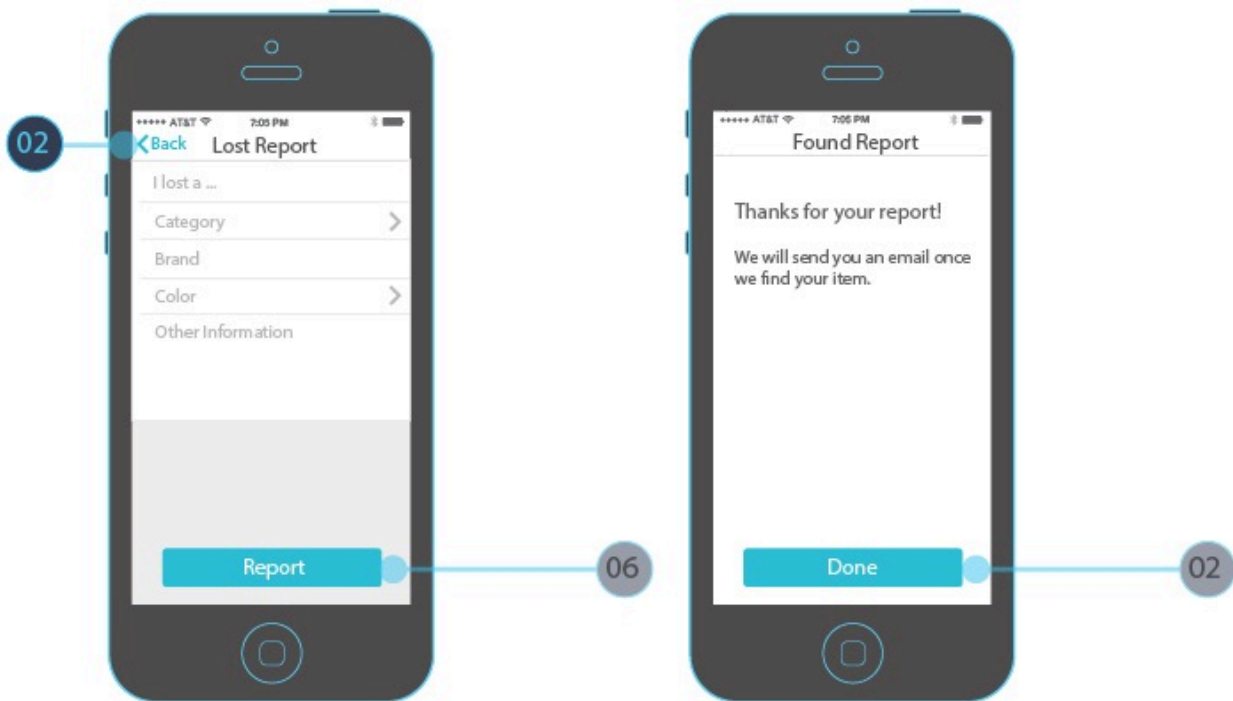
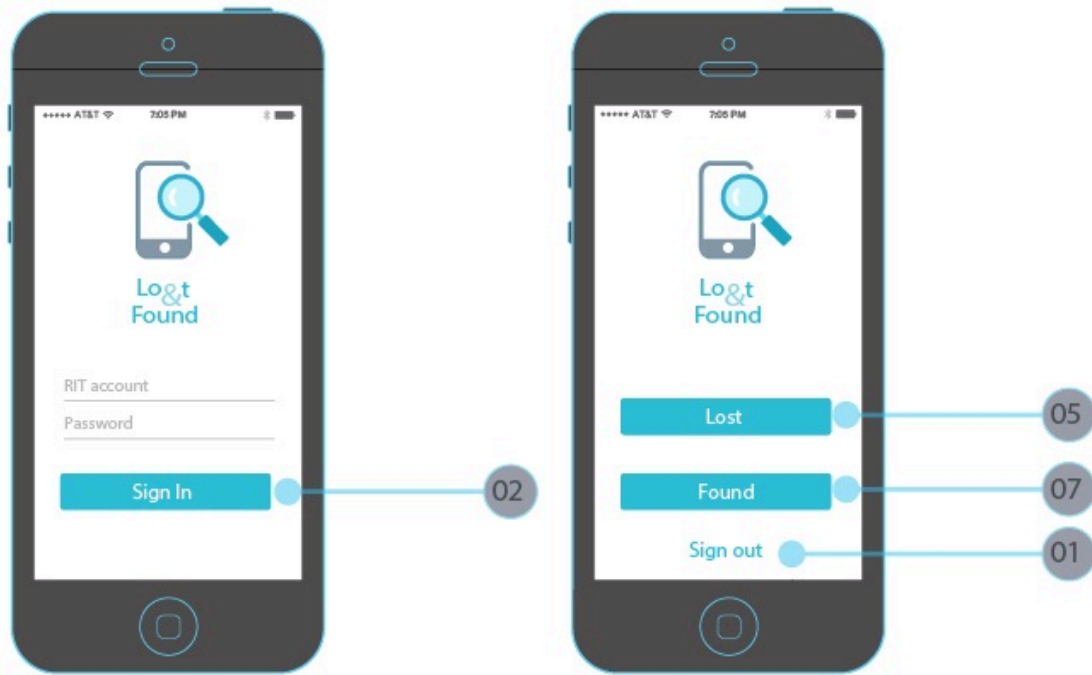
With the app open:

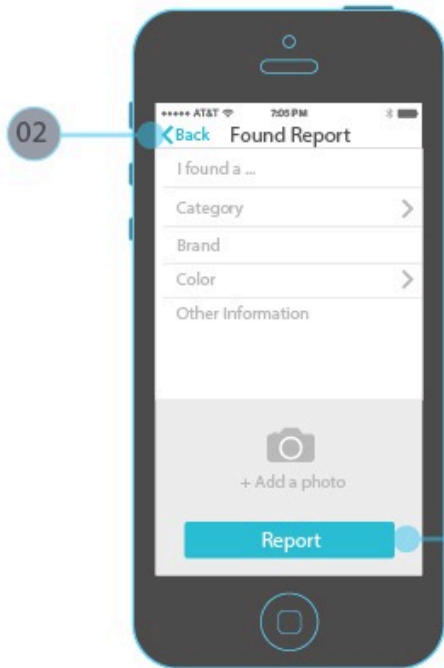
If the person who found the item started a lost item entry, then the admin will open that entry and continue working from there. If there is no entry yet, they would create a new one and ask the finder where the item was found. They would detail the item as much as possible and then submit the entry to the app.

After using the app:

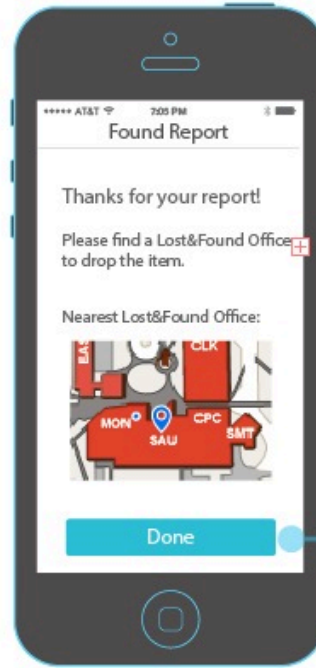
The admin waits for the system to find a match between lost and found item entries.

2. FLOWCHART





07 Found Report



08 Lost Report Feedback