

Home Inventory Management System

HTML CSS Project – Yuan Li

Background

Requirements: unorganized home items waste too much time

Practise website design skills

Object: Create a website and mobile app to manage home items by name, place, category

Target Audience

for people who wants to manage home items quickly and easily,

for people who wants to log item information for home insurance ,

For business owners like Airbnb owner or gym owner wants share with customers,

For people who wants share information with a new nanny or baby sitter,

For people who are forgetful,

for people with various memory disorders, information overload, ADHD, etc.

Main Features

Scenarios

- Search location or information for a item quickly
- Track all the items
- Need to know what is stored in a specific place
- Quickly know if already own an item before shopping
- Borrow a library book or a item has a expired date

Features

Quick search	Inventory List Category/ Subcategory	Room/StorageP lace List	Show item details
Dashboard	Add/Edit/Del List	Add/Edit/Del item	Remind
Help	Muliti-place	Share	Import/Export
Backup/ Restore	Data auto sync	Voice assistant	Report

Similar Products

Sortly

e Encircle



MyStuff

BluePlum



itemtopia



Inventory Manager



Home Inventory



Home inventory
management



StuffKeeper

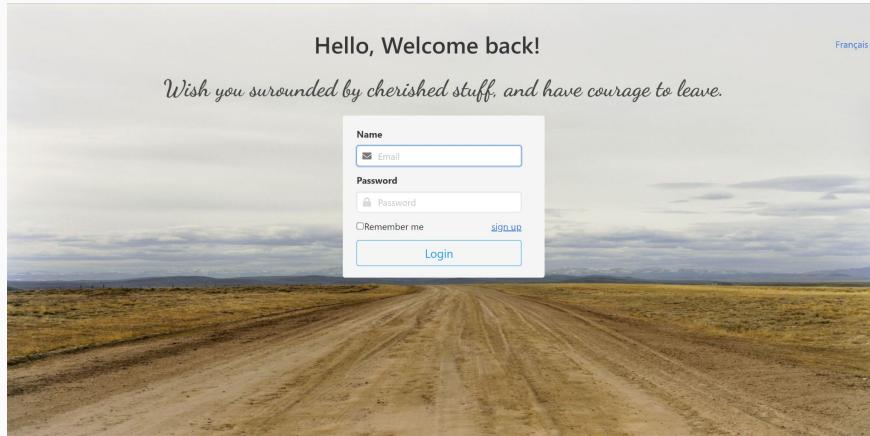


HouseBook



All My Stuff

Solution Overview -login page



Solution Overview - Dashboard

HIMS My Home Search...

Hi, Yuan

You have 908 items managed in 78 categories and 56 storage places.

Items Rooms

All Categories

All Storage Places

Top Category

CATEGORY	ITEM COUNT
BOOKS	1,456
TOOLS	123
TOYS	120
CLOTHES	89

Recent Edit

ITEMS	ITEMS	ROOMS	ROOMS
Puzzles	Fiction	Bookcase 1	Dining Area

My Home

My Office

Edit name

Add new Place

HIMS My Office Search...

Hi,Yuan

Looks you have not manage your items yet, please add a new one.

Add a new Category Add a new Storage Place

HIMS My Home Search...

Remind

You have 1 new remind.

Reminds

REMIND	NOTIFICATION
1	The Silent Patient Need return to library by Friday!

Solution Overview - items

HIMS My Home Search... Help Fr

Items

Important Frequently Use Book Transportation Sport Chess

- File
- Card
- Photo
- Jewelry

- Key
- Wallet
- Mask
- Umbrella

- Literature
- Art
- Science
- History

- Car
- Bicycle
- Scooter
- Stroller

- Swimming
- Badminton
- Pingpong
- Tennis

- Chess
- Weiqi
- Xiangqi
- Checker

Toys Hobby Medication Garden Electronic Music

HIMS My Home Search... Help Fr

Literature

Items / Books / Literature

Poem Drama Fiction

- East
- West

- Shakespeare
- Laoche

- Novel
- Conte

HIMS My Home Search... Help Fr

Novel

Items / Books / Literature / Fiction / Novel

Resurrection Boy's Life

by Leo A.Tolstoy by Robert McCammon

Solution Overview - rooms

Click bookcase area on the image can jump to bookcase page

HIMS

My Home Search...

Rooms

Rooms

- Living Room →
- Dining Room →
- Kitchen →
- Bathroom →
- Bedroom 1 →
- Bedroom 2 →
- Home Office →
- Storage Room →

Help Fr

Dashboard Items Rooms Data Setting

HIMS

My Home Search...

Living Room

Rooms / Living Room

Living Room Plan Change Image

Help Fr

Dashboard Items Rooms Data Setting

Bookcase 1 fiction

Bookcase 2 kid's books

Fireplace photo frame

Sofa & Coffee table Sofa,coffee table , rug ...

TV & Table TV,Wii,TV cabinet...

HIMS

My Home Search...

Bookcase 1

Rooms / Living Room / Bookcase 1

First Shelf Fictions

Second Shelf kid's books

Third Shelf IT books

Fourth Shelf Image books

Fifth Shelf

Help Fr

Dashboard Items Rooms Data Setting

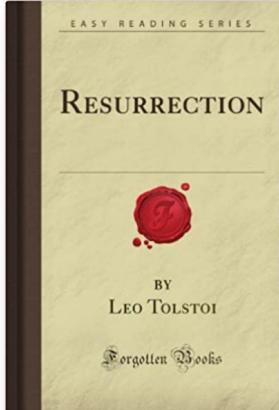
Solution Overview - item detail

HIMS ≡ My Home ▾ Search...

Dashboard Items Rooms Data Setting

Resurrection

Rooms / Living Rooms / Bookcase 1 / Shelf 1 / Resurrection
Items / Books / Literature / Fiction / Novel / Resurrection



Title	Resurrection
Author	Leo A.Tolstoy
Publisher	
Language	English
Memo	need repair
Tag	Classic Reading Birthday Gift

[Edit](#) [Delete](#) [Change Image](#) [Add Remind](#) [Move](#)

Solution Overview - data and setting

HIMS My Home Search...

Dashboard Items Rooms Data Setting

Data

Import Export Backup Restore Data Report

HIMS My Home Search...

Dashboard Items Rooms Data Setting

Setting

Make a share link Data synchronization Voice Assistant

Technologies

HTML , CSS (Bulma Framework)

On room page, use map to indicate items
on the picture.

```
<div class="card-image">
  <figure class="image is-16by9">
    
  </figure>
<map id="livingroom_map" name="livingroom_map">
  <area
    shape="rect"
    coords="200, 0, 350, 200"
    href="rooms-livingroom-bookcase1.html"
    alt="Bookcase 1" title="Bookcase 1"
  />
  <area
    shape="rect"
    coords="350, 50, 500, 250"
    href="#"
    alt="Fireplace" title="Fireplace"
  />
  <area
    shape="rect"
    coords="500, 50, 900, 250"
    href="#"
    alt="Bookcase 2" title="Bookcase 2"
  />
  <area
    shape="rect"
    coords="0, 100, 500, 600"
    href="#"
    alt="Sofa & Coffee table" title="Sofa & Coffee table"
  />
  <area
    shape="rect"
    coords="500, 250, 700, 550"
    href="#"
    alt="Bookcase 2" title="TV & Table "
  />
</map>
```

Appendix - Similar Products



e Encircle



MyStuff

BluePlum



itemtopia



Inventory Manager



Home Inventory



Home inventory
management



StuffKeeper

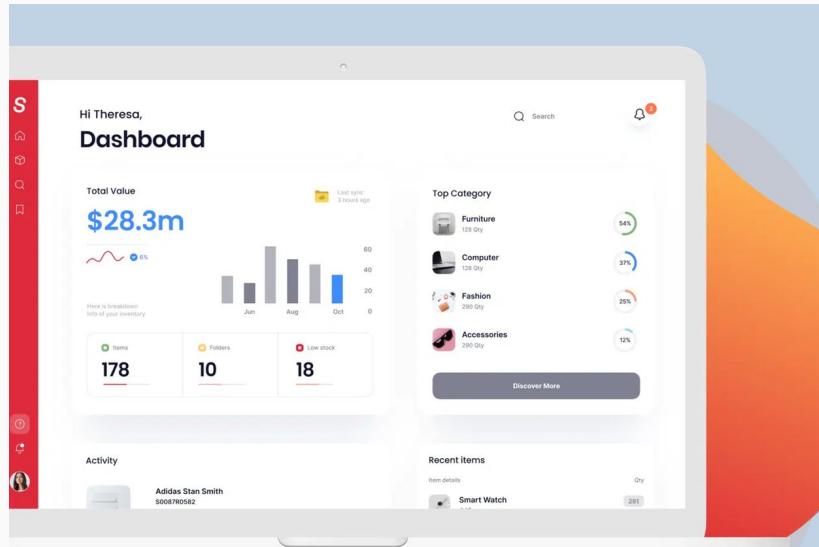


HouseBook



All My Stuff

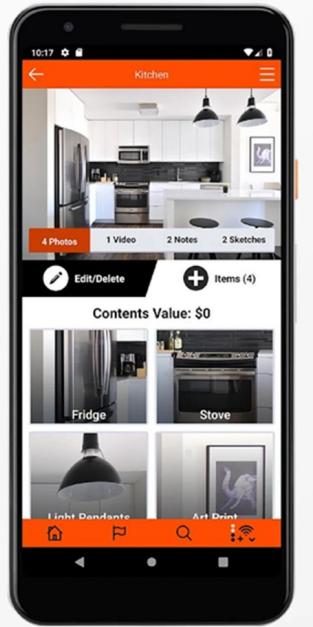
Sortly



Available on: iOS, Android

Cost: Free (subscription available for more features)

- categorize by room, type or other classification.
- add photos for each item
- items' conditions and prices
- convert older inventory lists (excel) into digital versions.



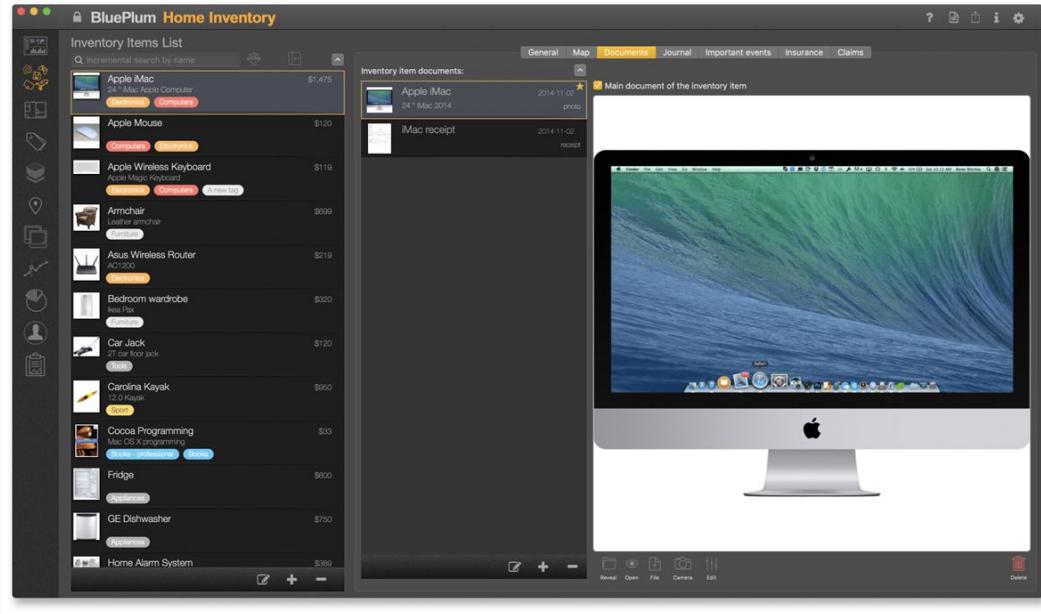
- Available on: iOS, Android

- Cost: Free

- upload unlimited photos and videos of your home,

- provides expert tips on how to mitigate any damage

BluePlum



Available on: iOS

Cost: Free

- Manage your home, belongings, maintenance needs and even multiple properties

- only available on Apple devices(iPhone and desktop app), automatically sync to each other when connected to the same Wi-Fi network.

- Support annual depreciation on your belongings, giving you a better idea of how much those items are worth in the eyes of your insurance company should they get stolen.



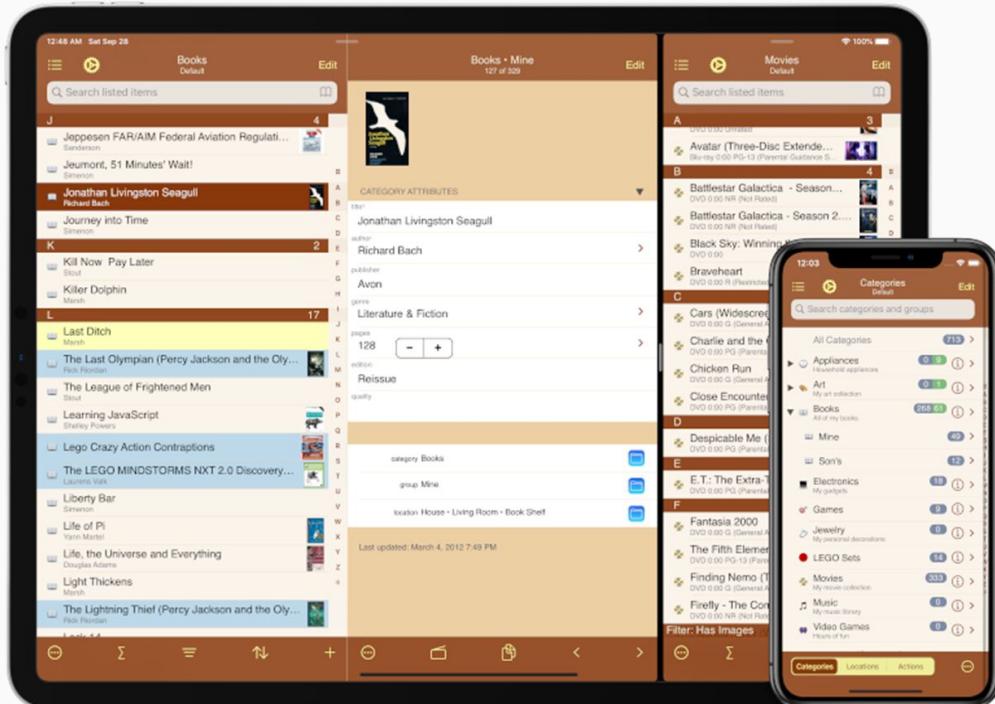
Available on: iOS

Cost: Free (subscription available for more features, \$3.99 a month or \$7.99 a month for enhanced platform)

- Business inventory
- paid version allows users to scan barcodes of their items and retrieve informations
- notepad and reminder function to help you remember to return borrowed items or pay your insurance premiums on time.
- paid version back up information to the cloud



MyStuff



Available on: iOS

Cost: Free

- Customize categories and color theme
- Barcode scan
- Convert excel file to app
- Auto sync data
- Export and report
- Backup and restore
- Support 40 photo per item



Inventory Manager

Available on: iOS

Cost: \$4.99

-

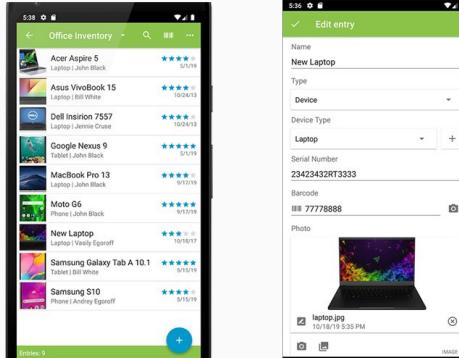
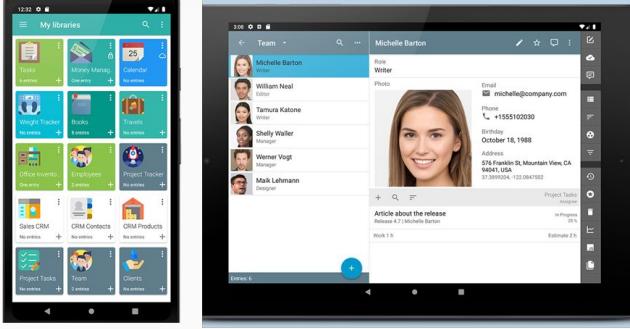
Robust Auto backup & restore

iCloud Sync across Mac, iPhone and iPad

Keyboard hotkey for adding property item quickly.



Memento Database



- Available on: Android
- Cost: \$3+ a month
- Not only inventory app
- Lists of tasks and goals
- Time management
- Keep track of possessions and random people's contact information



Home Inventory

My Inventory.h2

Items Album Policies Reports Inbox

Locations ▾

(unspecified)
Adam's Room
Den
Diane's Office
Dining Room
Family Room
Foyer
Guest Bath
Guest Bedroom
Hall
Kevin's Office
Kitchen
Master Bath
Master Bedroom

A▼ Items

Info Photos Receipts Files

Search

Fancy Chair

Maker: E-Z Sitter
Model: Super Sitter 2000
Category: Furniture
Location: Family Room
Condition: Excellent

Purchased From: The Dump Furniture
Purchase Date: Aug 4, 2011
Quantity: 1
Price: \$123.45
Value: \$19.99
Tags: Chair Fancy Furniture

Issuer: E-Z Sitter Chairs
Type: Manufacturer's Warranty
Term: 5 years

Contact: E-Z Sitter Chairs, Incorporated
1234 ShuttheDoor Drive
Beverly Hills, CA 90210

Warranty Note

Share Print

8 items valued at \$2,678.67

MacBook Air

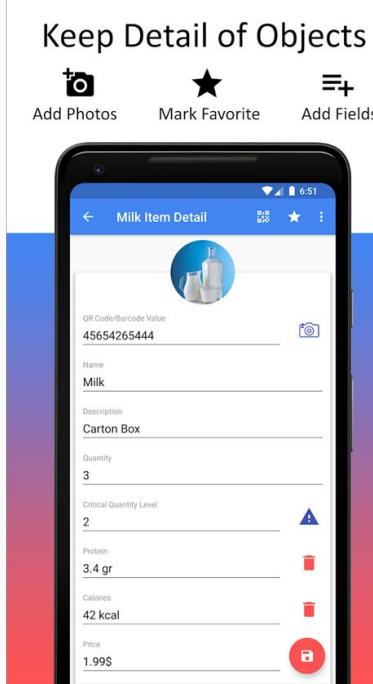
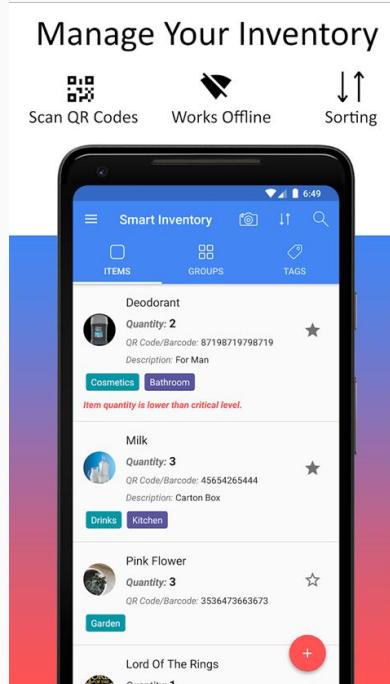
Available on: iOS

Cost: \$23.99

- most expensive inventory apps
- average rating of 4.5 stars.
- upload receipts, documents and any other notes to go completely paperless.
- shareable inventory report, home maintenance scheduling and estate or moving planning.



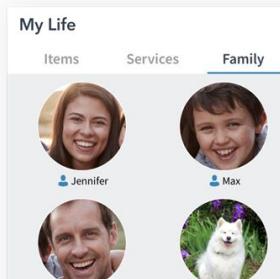
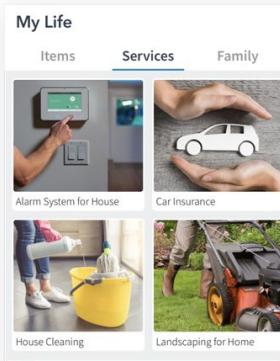
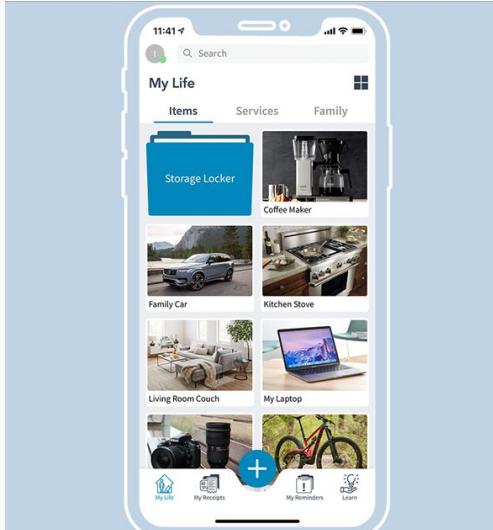
Home inventory management



Available on: Android

Cost: Free (subscription available for more features)

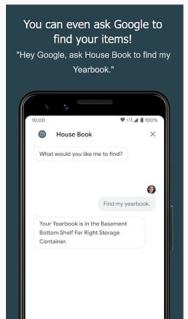
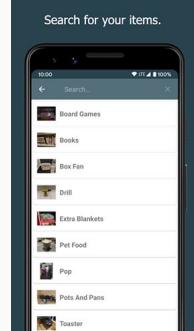
- Compatible with QR codes
- make codes
- three levels of sorting
- Can work offline



- keep track of important facts, notes, images and all details of everything about their home, possessions, services and family.
- Add photos and medias
- Expense tracking



HouseBook



To keep a log of your stuff for insurance purposes.

Share with other people

Smart home by simply ask google



Magic Home Inventory

The first screenshot shows the main inventory screen with sections for Properties (Hungary, London, Shed, Virtual), Rooms (Kitchen, Living Room, Lobby, Notes, Outer Room), Lists (Circular..., Bucket..., Collections, In use, London Trip, Missing), and Recents (Back to London, Budapest Trip, etc.).

The second screenshot shows a camera view of several red LED lights, with the app overlaying category names like 'Nostalgic Red LED Red Light' and 'SH-01 White LED White Light'.

The third screenshot shows a sunburst diagram illustrating the hierarchical structure of items across various rooms and categories.

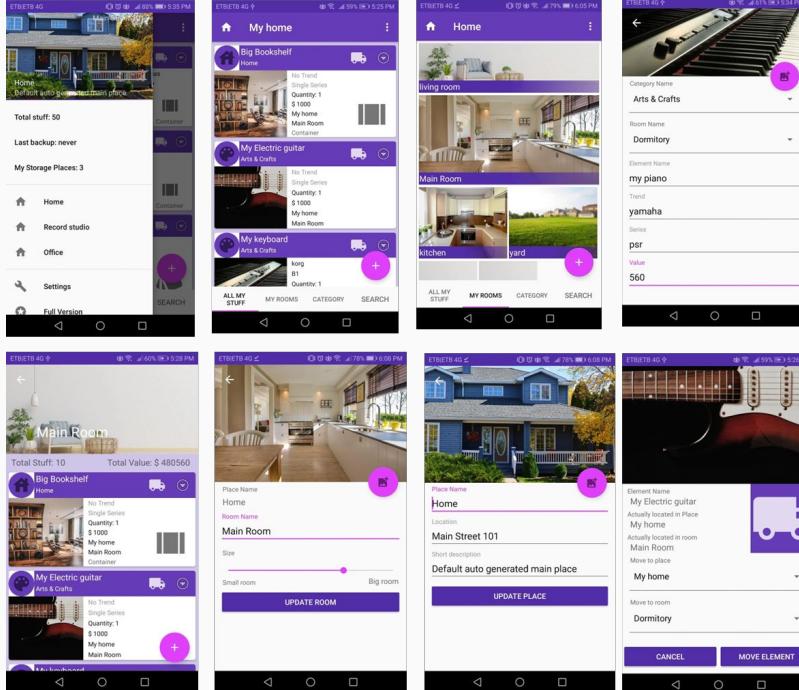
Feature:

Infinite hierarchy: Property ▶ Room ▶ Item ▶ Item ▶ ...

- **Categories:** 15 diverse categories with 300+ well-defined finer categories
- **Categorization aid** based on 2,500+ hand-selected keywords
- **Custom camera** to help selecting the item on the picture
- **Move** selection of items into any container
- **Advanced search** to easily find anything in moments
- **Sunburst chart** to see a visual overview of your stuff
- **Import/Export** to manually backup or transfer your inventory



All My Stuff



Feature:

- Moving Button
 - Multi-place
- Paid version support unlimited resources and customizable categories



StuffKeeper

Find your things quickly and easily

11:39 clothes fall

- Scarf
Clothes, fall-spring
- Jumper
Clothes, #fall #spring
- Gloves
Spring, fall, clothes
- Jacket
Clothes, fall-spring
- Sneakers
Shoes, spring-fall

See where your stuff is right away

11:39

Scarf
Clothes, fall-spring

Second box

Love Share Email Add

Look through the contents of your shelves, drawers, boxes

11:39 Left wall

- Tool kit
Tools
- Wire cutters
Tools
- Metal scissors
Tools
- Screwdriver
Tools

Lend your stuff to friends and don't worry about forgetting

11:39

Andrew
Co-Worker

Drill
Tools

\$50 Until jul 20

\$

Sync multiple devices via Google Drive

11:39 StuffKeeper

House Home Sweet Home

Farm Parents' farm

Work Office Brookfield Place

Apartment My apartment in New York