Interaction Design Exercise

Garage sale helper

Candidate: Asiya Yakhina
Time taken to complete the task: 10 hours

This mobile application allows potential buyers to **quickly discover** available goods offered at nearby garage sales. The purpose of the application is to **avoid the usual clutter** seen at garage sales by letting users search specific items or filter items on sale in various ways. On the seller's side, the application allows to list items in an **organized manner** by putting them under relevant categories.

HOME SCREEN

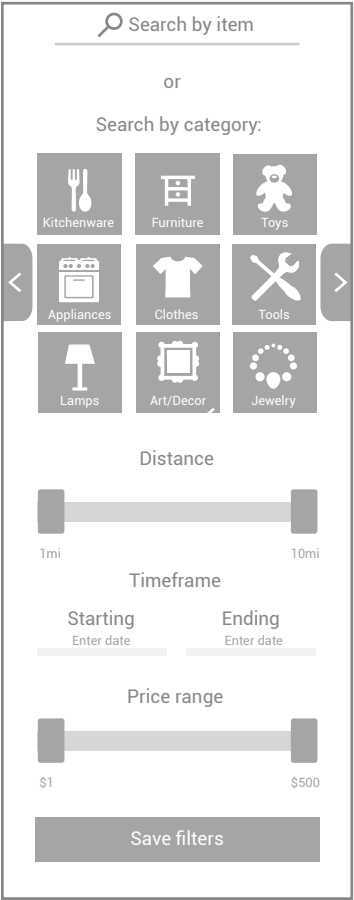🔍 Search by item

Add filters ▼

Huge moving sale　　0.5 mi
22 Bigelow St, Cambridge MA
Oct 13, 11am - 5pm

‹ | IMAGE | IMAGE | IMAGE | ›

Antique yard sale　　4.0 mi
33 Main St, Cambridge MA
Oct 23-24, 1pm - 5pm

‹ | IMAGE | IMAGE | IMAGE | ›

Big family garage sale　　4.3 mi
435 Mass Ave, Cambridge MA

🏠 Home　　SALE List your sale　　👤 Account

FILTER SCREEN + ADVANCED FILTERS

🔍 Search by item

or

Search by category:

🍴 Kitchenware	🗄 Furniture	🧸 Toys
📟 Appliances	👕 Clothes	🔧 Tools
💡 Lamps	🖼 Art/Decor	⚪ Jewelry

Distance

1mi　　　　　　　　10mi

Timeframe

Starting
Enter date

Ending
Enter date

Price range

$1　　　　　　　　$500

Save filters

SALE SCREEN

🔍 Search by item

Add filters ▼

Huge moving sale　　0.5 mi
22 Bigelow St, Cambridge MA
Oct 13, 11am - 5pm

‹ | IMAGE | IMAGE |
| IMAGE | IMAGE | ›

We're selling lots of awesome
stuff like comfy furniture and
vintage decor items, prices are
negotiable. There will be great
music and ice-cream.

Add sale to calendar　　Contact seller

🏠 Home　　SALE List your sale　　👤 Account

ITEM SCREEN

‹ Back

Huge moving sale　　0.5 mi
22 Bigelow St, Cambridge MA
Oct 13, 11am - 5pm

‹ | IMAGE | ›

$50

Cabinet
Excellent condition,
beautiful wood work

Add sale to calendar　　Contact seller

🏠 Home　　SALE List your sale　　👤 Account

Low fidelity overview
Listing a sale event
(user = seller)

Screens

LIST SALE SCREEN: Create event

Create event   Add items   Review and post

Event name

Description

Where

Date   Time

☐ Allow buyers to contact you

Done

🏠 Home   🪧 List your sale   👤 Account

LIST SALE SCREEN: Add items

Create event   Add items   Review and post

Item name

Category ▼

Description

📷 Upload photos   Price

Add another item   Done

🏠 Home   🪧 List your sale   👤 Account

LIST SALE SCREEN: Review and post

Create event   Add items   Review and post

Huge moving sale ✏️
22 Bigelow St, Cambridge MA
Oct 13, 11am - 5pm

We're selling lots of awesome stuff like comfy furniture and vintage decor items

Furniture

IMAGE
$30
Leather couch ✏️
Gently used, perfect for a mid-sized living room

IMAGE
$50
Cabinet ✏️
Excellent condition, beautiful wood work

Kitchenware

IMAGE
$10
Plate set ✏️
Excellent condition, perfect for a big family

IMAGE
$15
Wine glasses ✏️
Brand new, unpacked

Post event

🏠 Home   🪧 List sale   👤 Account

HOME SCREEN

The home screen of the app shows garage sales happening in the user's geographical area. The list of sales is sorted from closest to furthest. The user's area is determined by the **city that they listed during the initial sign-up process**. This way, the user doesn't have to enter their location every time they open the app. This feature is helpful because the user is most likely to search for yard sales in their **current home city**.

The user can search specific items which will **narrow down the list** to sales that have the given item:

The user can apply more general filters to **easily navigate** through available goods:

Scrollable sets of images allows the user to **quickly glance** through available goods, to see if there is anything interesting:

FILTER SCREEN

The filter screen allows the user to **search for a specific item**, or **apply a broader search by category**. The search-by-item box is transferred from the home screen in case the user wants to change the original query or enter a new one. If the user chooses to search by category, the **search-by-item feature will be disabled** and vice-versa. The disabled mode is communicated by fading out the colors of the widget.
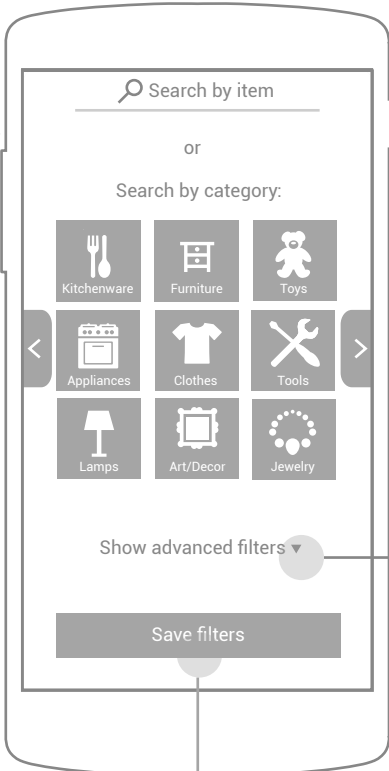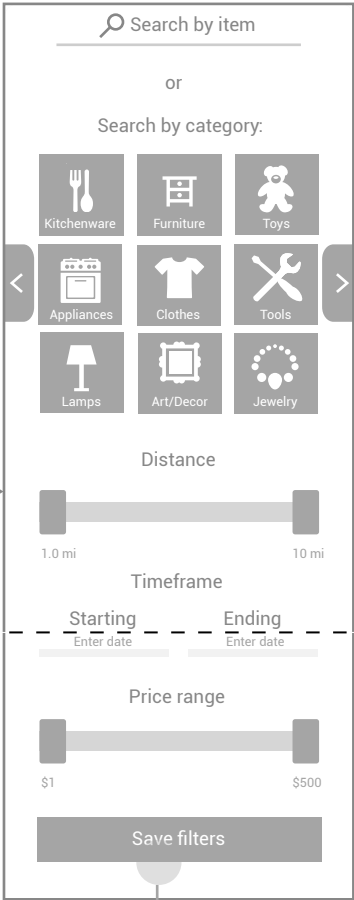
The user can make one or more selections from a list of **10-15 high-level categories** of goods:

For more specific preferences the user can open up **advanced filters:**

FILTER SCREEN + ADVANCED FILTERS

Distance, timeframe, and price are listed under the advanced category because they **are not directly relevant** to the products that the user is looking for. Instead, they address user's personal preferences regarding their schedule, transportation convenience, and budget limitations.

The user can **filter garage sales by distance:**

The user can **filter garage sales by limiting the timeframe:**

Sales can also be filtered by a **specific price range:**

Home screen (phone mockup)

🔍 Search by item

Add filters ▾

Huge moving sale   0.5 mi
22 Bigelow St, Cambridge MA
Oct 13, 11am - 5pm

< IMAGE | IMAGE | IMAGE >

Antique yard sale   4.0 mi
33 Main St, Cambridge MA
Oct 23-24, 1pm - 5pm

< IMAGE | IMAGE | IMAGE >

Big family garage sale   4.3 mi
435 Mass Ave, Cambridge MA

🏠 Home   📋 List your sale   👤 Account

Filter screen (phone mockup)

🔍 Search by item

or

Search by category:

🍴 Kitchenware	🗄 Furniture	🧸 Toys
📟 Appliances	👕 Clothes	🔧 Tools
💡 Lamps	🖼 Art/Decor	📿 Jewelry

Show advanced filters ▾

Save filters

Filter screen + advanced filters (phone mockup)

🔍 Search by item

or

Search by category:

🍴 Kitchenware	🗄 Furniture	🧸 Toys
📟 Appliances	👕 Clothes	🔧 Tools
💡 Lamps	🖼 Art/Decor	📿 Jewelry

Distance

[slider]
1.0 mi   10 mi

Timeframe

Starting   Ending
Enter date   Enter date   ---- Screen fold

Price range

[slider]
$1 $500

Save filters

Saving the filters **returns the user to the home screen** with an **updated list** of garage sales.

HOME SCREEN

The home screen allows the user to navigate to a yard sale or straight to a specific item on sale.

SALE SCREEN

The screen presents the user with the images of items available at the selected garage sale, the overall description of the sale and buttons that allow the use to take an action.
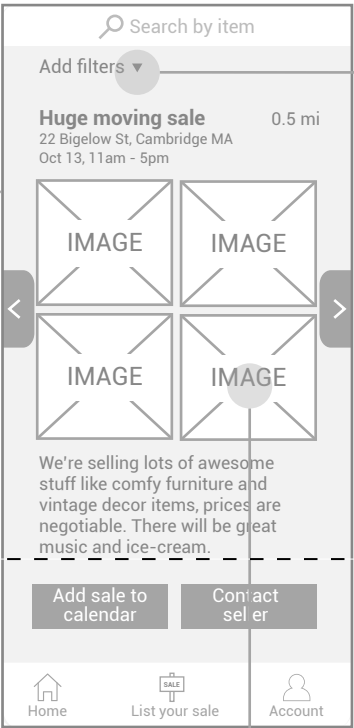
"Contact seller" button shows up only if the seller **indicated** that they are willing to be contacted.

If the sale is happening now, the **"Add sale to calendar"** button is **replaced with "Navigate button"** that opens up a map with navigation directions.

FILTER SCREEN

If the user chooses to add filters, **advanced filters will be unavailable** since the sale is already selected and the list of items is short enough.

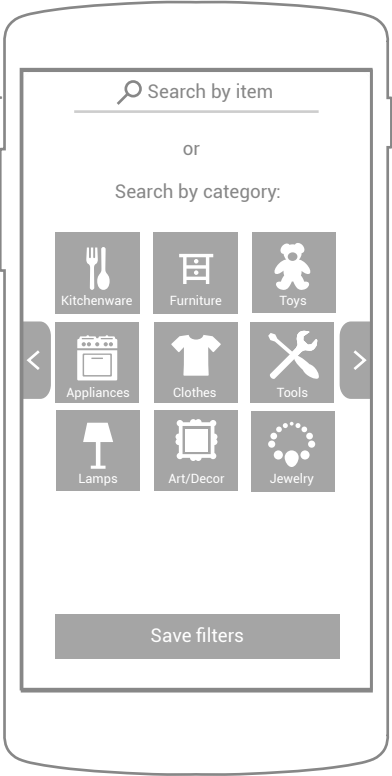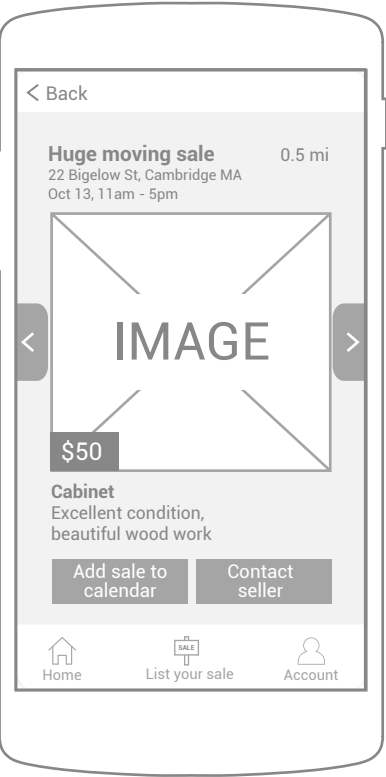Search and filter options are **available to filter the given sale:**

Horizontal scrolling is a common interaction in the app. Consistent use of it enables user to **quickly learn** it and **confidently navigate** through content early on:

"Contact seller" button enables the user to contact the seller **either via phone, text, or email** depending on the seller's preference

--- Screen fold

ITEM SCREEN

The screen presents the user with images of the selected item, its price, name, and description. The user can also add the yard sale to their calendar or contact the seller.

The user can navigate to the item screen already from the home screen. This way, if a particular photo on the home screen **catches their attention**, they can **save a step** and go **straight to viewing the item**.

The Back button will take the user back to the **home screen** or the **sale screen** depending on where the user navigated from:

Home screen wireframe:

Search by item
Add filters ▼

Huge moving sale   0.5 mi
22 Bigelow St, Cambridge MA
Oct 13, 11am - 5pm

‹ | IMAGE | IMAGE | IMAGE | ›

Antique yard sale   4.0 mi
33 Main St, Cambridge MA
Oct 23-24, 1pm - 5pm

‹ | IMAGE | IMAGE | IMAGE | ›

Big family garage sale   4.3 mi
435 Mass Ave, Cambridge MA

Home | List your sale | Account

Sale screen wireframe:

Search by item
Add filters ▼

Huge moving sale   0.5 mi
22 Bigelow St, Cambridge MA
Oct 13, 11am - 5pm

‹ | IMAGE | IMAGE | ›
  | IMAGE | IMAGE |

We're selling lots of awesome stuff like comfy furniture and vintage decor items, prices are negotiable. There will be great music and ice-cream.

Add sale to calendar | Contact seller

Home | List your sale | Account

Filter screen wireframe:

Search by item

or

Search by category:

Kitchenware | Furniture | Toys
‹ Appliances | Clothes | Tools ›
Lamps | Art/Decor | Jewelry

Save filters

Item screen wireframe:

‹ Back

Huge moving sale   0.5 mi
22 Bigelow St, Cambridge MA
Oct 13, 11am - 5pm

‹ | IMAGE | ›

$50

Cabinet
Excellent condition, beautiful wood work

Add sale to calendar | Contact seller

Home | List your sale | Account

Low fidelity overview
Listing a sale event
(user = seller)

Explanation

HOME SCREEN

The home screen allows the user to navigate to **List your sale screen** where the user can post their own garage sale

LIST SALE SCREEN: Create event

The screen allows the user to name the sale event, provide a general description of what's going to be on sale, and indicate the place and the time of the sale.

LIST SALE SCREEN: Add items

The screen allows to add items and their details. The "Add items" screen comes second because it's **not essential** to listing a sale. Though not recommended, this step can be skipped once the sale event is created. The users may be willing to skip this event if they want to use the application for the sole purpose of advertising the time and place of their sale.

Search by item

Add filters ▼

Huge moving sale   0.5 mi
22 Bigelow St, Cambridge MA
Oct 13, 11am - 5pm

< IMAGE | IMAGE | IMAGE >

Antique yard sale   4.0 mi
33 Main St, Cambridge MA
Oct 23-24, 1pm - 5pm

< IMAGE | IMAGE | IMAGE >

Big family garage sale   4.3 mi
435 Mass Ave, Cambridge MA
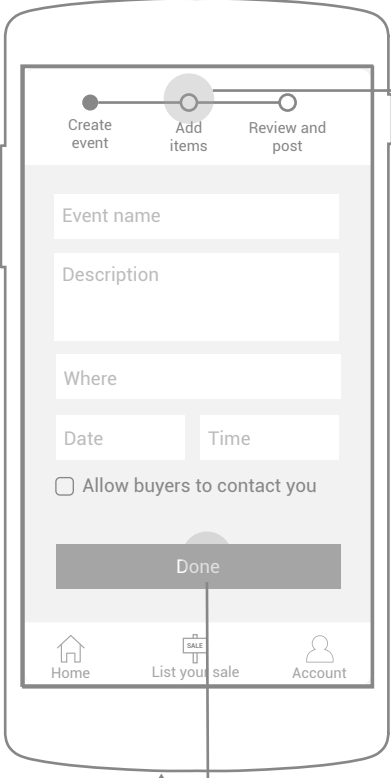
Home | List your sale | Account

This **interactive progress bar** allows the user to:
1) Understand the order and nature of steps needed to list a sale event
2) Keep track of their progress
3) Navigate to the desired section at any moment

If the user is interested in communicating with potential buyers outside of the garage sale (to **negotiate the prices** or **discuss alternative pick-up times**), they can allow buyers to contact them through email or phone that they entered during the initial sign-up:

Create event — Add items — Review and post

Event name

Description

Where

Date   Time

☐ Allow buyers to contact you

Done

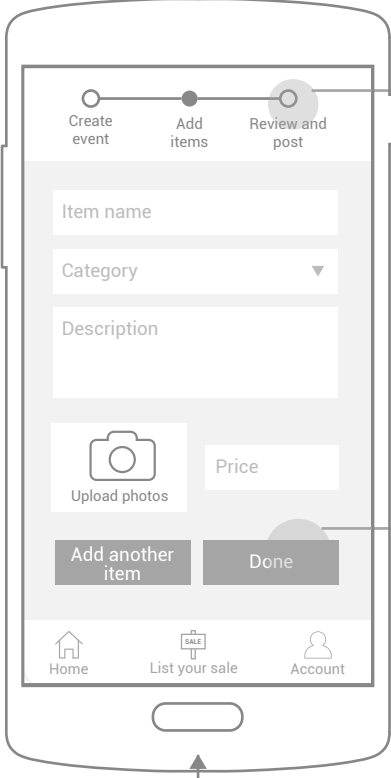Home | List your sale | Account

---

The Category field allows the user to select from a list of **10-15 general item categories** to allow the buyers to access the sale information in an **organized manner.**

"Add another item" button will **open up a blank Add-items screen:**

Create event — Add items — Review and post

Item name

Category   ▼

Description

📷 Upload photos   Price

Add another item   Done

Home | List your sale | Account

LIST SALE SCREEN: Review and post

The screen allows to review the sale event descriptions, as well as individual item descriptions. The user can **edit** each of the fields and **post the event**.

The added items are **grouped under selected categories** to visually reflect how items were categorized.

This also might help the sale organizer to use the same categorization system when **displaying the items at the actual garage sale**

Create event — Add items — Review and post

Huge moving sale   ✏
22 Bigelow St, Cambridge MA
Oct 13, 11am - 5pm

We're selling lots of awesome stuff like comfy furniture and vintage decor items

Furniture

IMAGE   **Leather couch**   ✏
$30   Gently used, perfect for a mid-sized living room

IMAGE   **Cabinet**   ✏
$50   Excellent condition, beautiful wood work

Kitchenware

IMAGE   **Plate set**   ✏   - - - Screen fold
$10   Excellent condition, perfect for a big family

IMAGE   **Wine glasses**   ✏
$15   Brand new, unpacked

Post event

Home | List your sale | Account

🔍 Search by item

Add filters ▼

Huge moving sale   0.5 mi
22 Bigelow St, Cambridge MA
Oct 13, 11am - 5pm

<

>

Antique yard sale   4.0 mi
33 Main St, Cambridge MA
Oct 23-24, 1pm - 5pm

<

>

Big family garage sale   4.3 mi
435 Mass Ave, Cambridge MA

🏠
Home

SALE
List your sale

👤
Account