Bobcats

Darryl James | Andrew Lim | Tyke Sykes | Anthony Nguyen

[Bobcats Website](#)

For business inquiries:

tcss360bobcats@gmail.com

Table of Contents

1) Summary

1.1) Introduction

Overview

Without a catchy app name how can we possibly describe our idea effectively? Lets see. After speaking with a highly regarded client, our team has decided to make an app that organizes all your manuals and warranties into one collective place. What do we mean by this you may or may not ask? We mean that whether you are a handyman, or a DIY'er you will be able to have access to all your manuals, sketches (eventually), receipts (eventually), measurements (eventually), and warranties in organized modules, or not, it's up to you.

The main purpose behind this application is to keep your innovative self organized as you continue to build, break, and bind your items together. No longer are the days looking countless hours for a builders manual for your IKEA bed, or the instruction set for the little tikes swing set your kid wants. This is the adult league, and we play it by being the example. Stay organized, stay handy.

Driving Factors

As a team of fellow DIY'ers it is that much more important to us that we can easily organize, maintain, and find necessary information whether it be for a side project or scheduled maintenance on everyday appliances.

Vision Statement

This application is for homeowners who want to keep important documents on items/appliances/technology in their house well organized. Our solution is to neatly categorize these items based on folders (room names) and tags that allow the user to easily find and add manuals/receipts/instructions/warranties for any product in their house. Unlike keeping file cabinets of paper manuals, this solution organizes the information in a way that is easy to find.

1.2) Roles

Scenario 1: Timmy

Timmy is a young boy that is home fending for himself for lunch because both his parents are busy working. He wants to heat up her leftover Spaghetti O's using the microwave in the kitchen but has forgotten how it works. He goes to the computer and selects the kitchen, then sees an icon for the microwave instructions. He clicks on the icon and has access to the instructions his father entered previously on how to operate the microwave. He then warms up his Spaghetti O's and enjoys his lunch.

Scenario 2: Cade

Cade is being babysat by his Uncle Julian and wants to watch TV in the living room. Unfortunately Julian has fallen into a deep slumber and will not wake up. Julian has a very complicated remote with many buttons and foreign symbols so Cade does not know how to turn on the TV to watch his favorite show *Cory in the House*. Cade borrows his Uncle Julian's computer and navigates to the living room tab on the Homeowner's Manual™ application and selects the TV remote. He then browses through the instructions and learns that he turns on the TV by entering the secret passcode '123'. However, now the TV is on the History Channel and Cade doesn't want to watch a boring documentary about The Great Emu War of 1932, he wants to watch *Cory in the House*. He then continues reading the instructions and learns how to navigate to the Disney Channel and enjoys his daily dose of *Cory and the House*.

Scenario 3: Kevin

Kevin has bought a super fancy refrigerator that sings "Rick Astley – Never Gonna Give You Up" whenever he fills his cup with water. He wanted to protect his investment on the refrigerator and purchased a warranty for it. When he returned home he entered a new item into his Homeowner's Manual™ application, with the fridge manual, receipt, and warranty information. Years later, a disgruntled visitor gets upset when he hears the song while getting some water and destroys the refrigerator with a sledge hammer. Very upset, Kevin goes to search for his warranty papers in the bottomless pit of his file cabinet. After hours with no sign of the papers in sight, Kevin goes to the Homeowner's Manual™ application and sees that he has a valid warranty on the refrigerator with no conditions and patiently waits 2-4 business weeks for his replacement.

1.3) Non goals

This version will not support features such as:

- **A catchy app name inspiring millions of downloads** (NotaManual, Manualize, HomeManual, ...)
- **The changing of passwords** (Best not forget it)
- **Reminders for Warranty/Repair Dates**
- **A mobile Application Version**
- **The ability to scan items directly into the app**
- **Permissions for guest users** (Be careful who you trust)

Note

This Specification is nowhere near done at the moment, and as such we will be continuously updating the document whenever something changes.

2) Requirement Definitions

2.1) Priorities

High priority: Desktop App, Organize manuals, Search by tags, Add and Delete Files, Upload Files, Add tags to Items

Mid priority: Scan receipts/Instructions/Sketches into app, Purchase information, Works offline / Mobile, Permissions to edit / view files, Organize data within an Item

Low priority: See warranties about a particular item, Download Additional Information for a Manual in the App, Catchy Name for the App

2.2) User Stories: (Lower Number means Higher Priority US1 > US2 > US11 > US14)

1. As a user/client I want to have the app run on my desktop so that I can use the app

2. As a user/client I want to search using keywords or tags so that I can locate information more quickly.

3. As a user/client I wanted to add tags/keywords to files so that they are easier to locate

4. As a user/client I want to be able to separate different categories of information so that my home owner's manual is organized and easily navigable.

5. As a user/client I want to be able to be able to get rid of unnecessary files

6. As the homeowner I want to be able to upload files on my app so that users can view and refer to them on the app.

7. As a user/client I want this application to work offline so that I can access the information without the internet.

8. As a user/client I want to access information on my phone so that I can conveniently do so when I am not at home.

9. As a user/client I want to control who has the ability to edit files so that the information is secure

10. As a homeowner I want to be able to organize the information for my appliances and electronics so they are easier to find

11. As a homeowner I want to be able to write out instructions to be saved on the app so that I can use them in the future for troubleshooting something

12. As a homeowner I want to download online manuals for an item so that I have access to that information for later

13. As a consumer, I would like to see the warranties for an item so that I can see which items can be replaced when they break

14. As the developer I want a catchy name for the app so that users can easily recognize it and know what it is about

2.3) Business Rules:

1) The app itself not be centered around profit

2) The app must be available to use without internet

3) The app must be able to hold/access a large collection of downloaded files of various extensions

4) The app must load information relatively quickly

5) Users must have a login password in order to add / delete files, folders, etc…

6) Each Item should have a manual

3) Paper Prototypes

1. As a <u>user/client</u> I want to <u>have the app run on my desktop</u> so that I can use the app.
2. As a <u>user/client</u> I want to<u> search using keywords or tags </u>so that <u>I can locate information more quickly.</u>
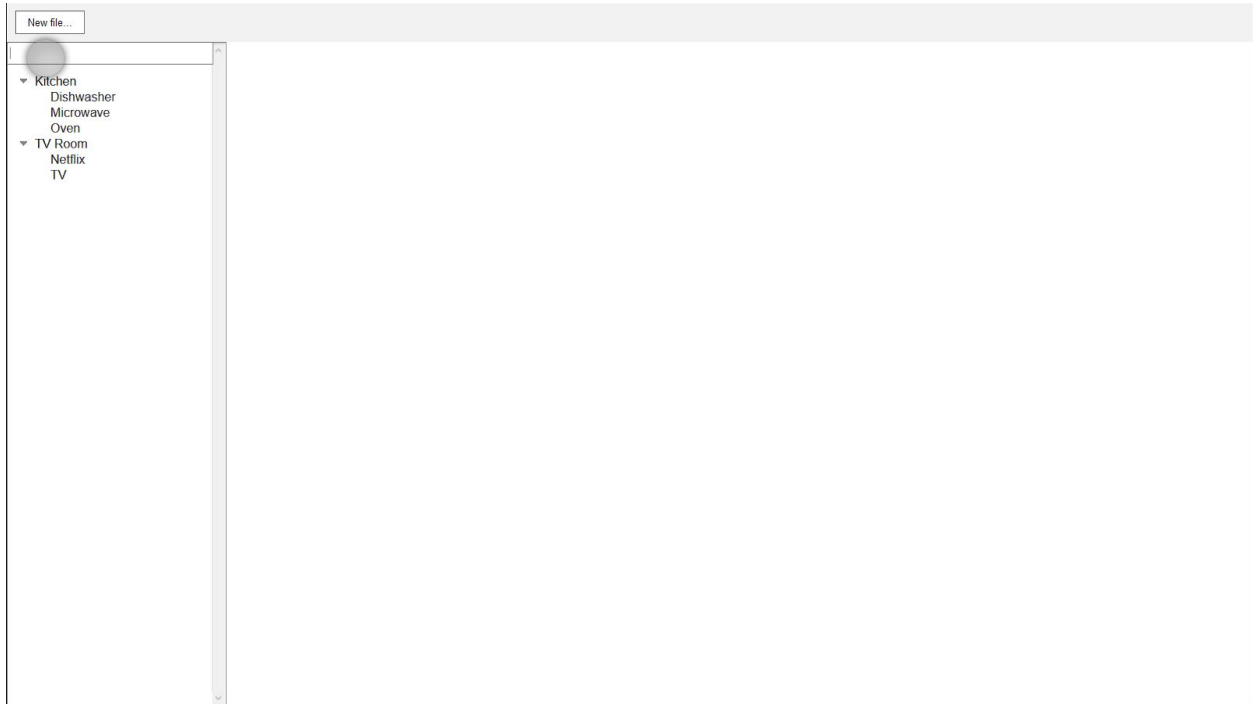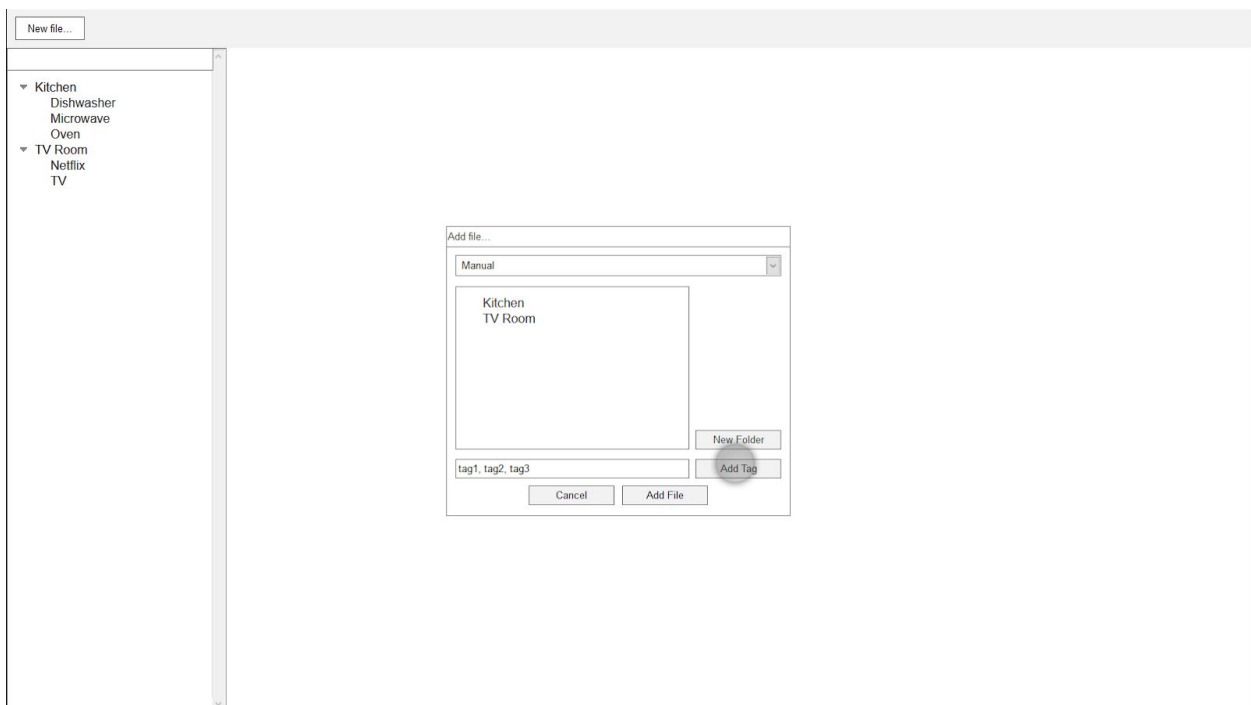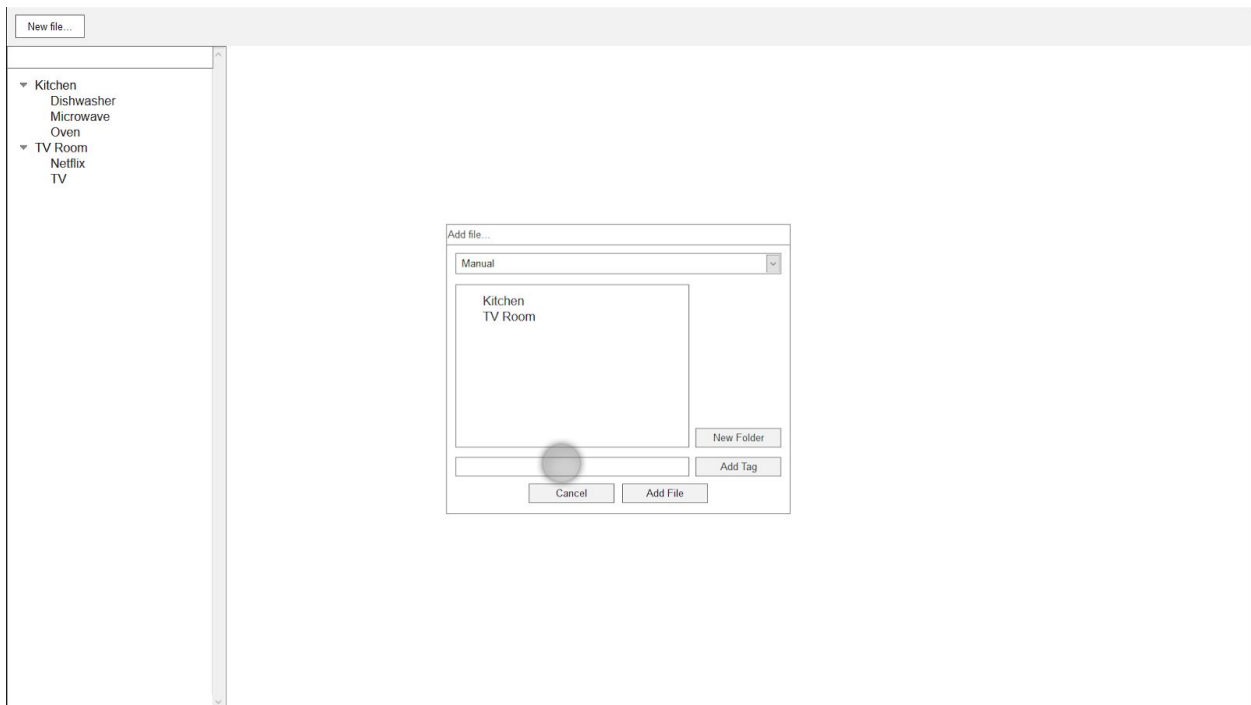

Click search bar.
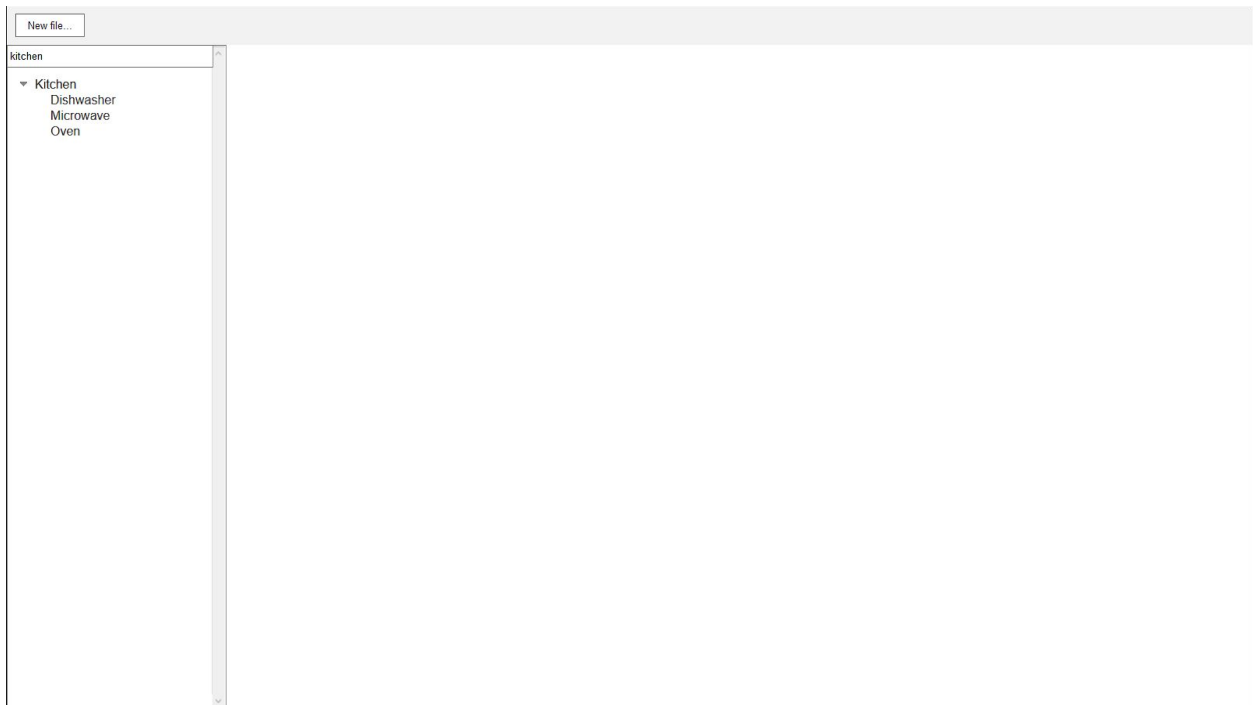
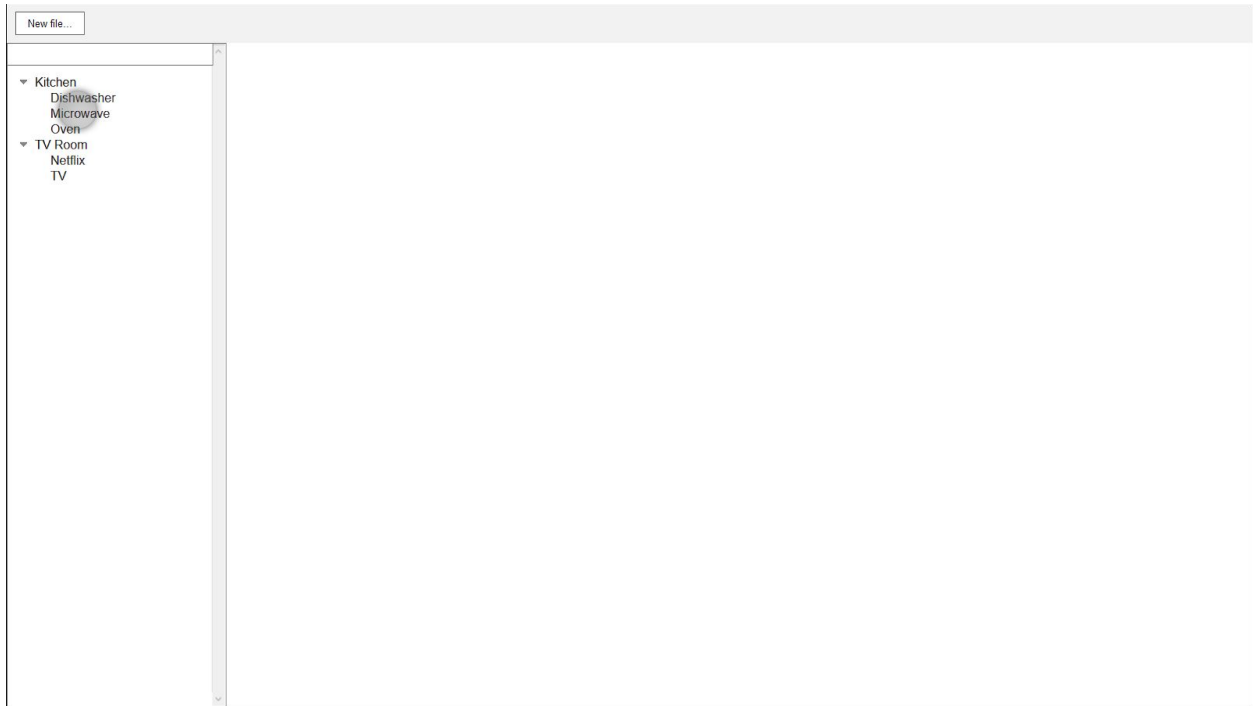Type desired tags, folder, or item name in search bar.

    3. As a user/client I wanted to add tags/keywords to files so that they are easier to locate.
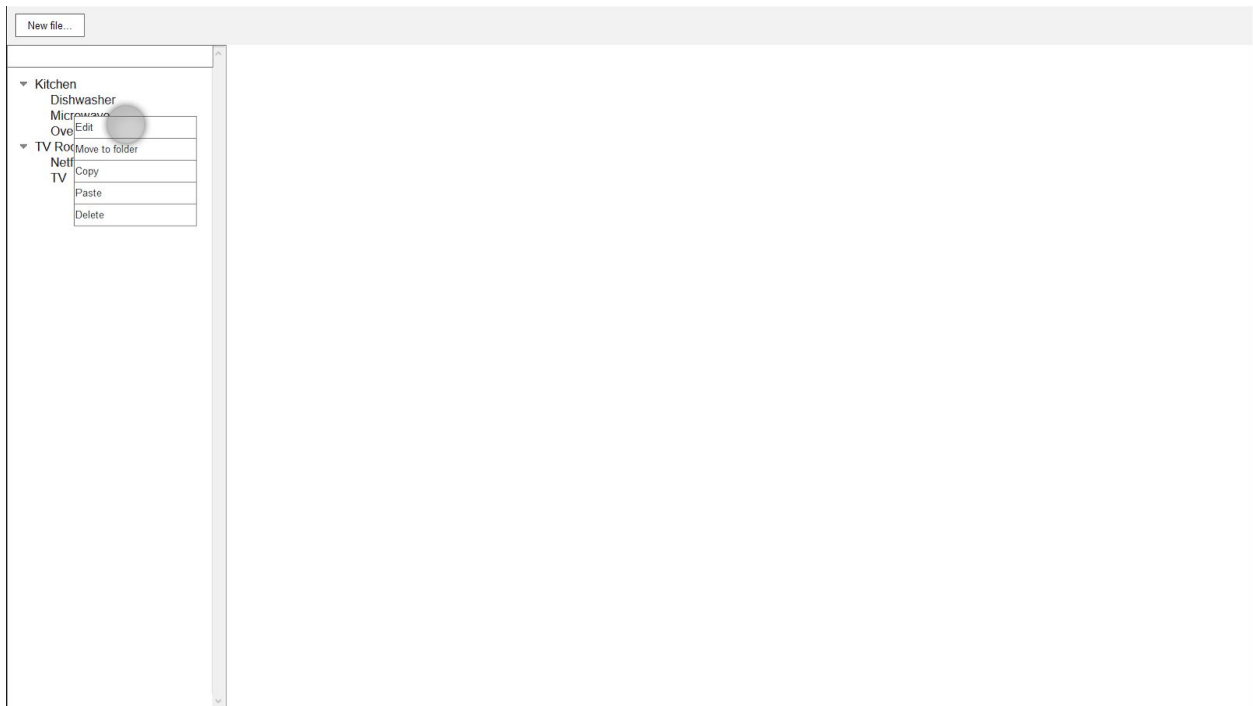   a. When importing a file:

Type desired tags individually or separated by commas.

        b. After importing a file:

New file...

- Kitchen
  - Dishwasher
  - Microwave
  - Oven
- TV Room
  - Netflix
  - TV

Right-click item to add tags.
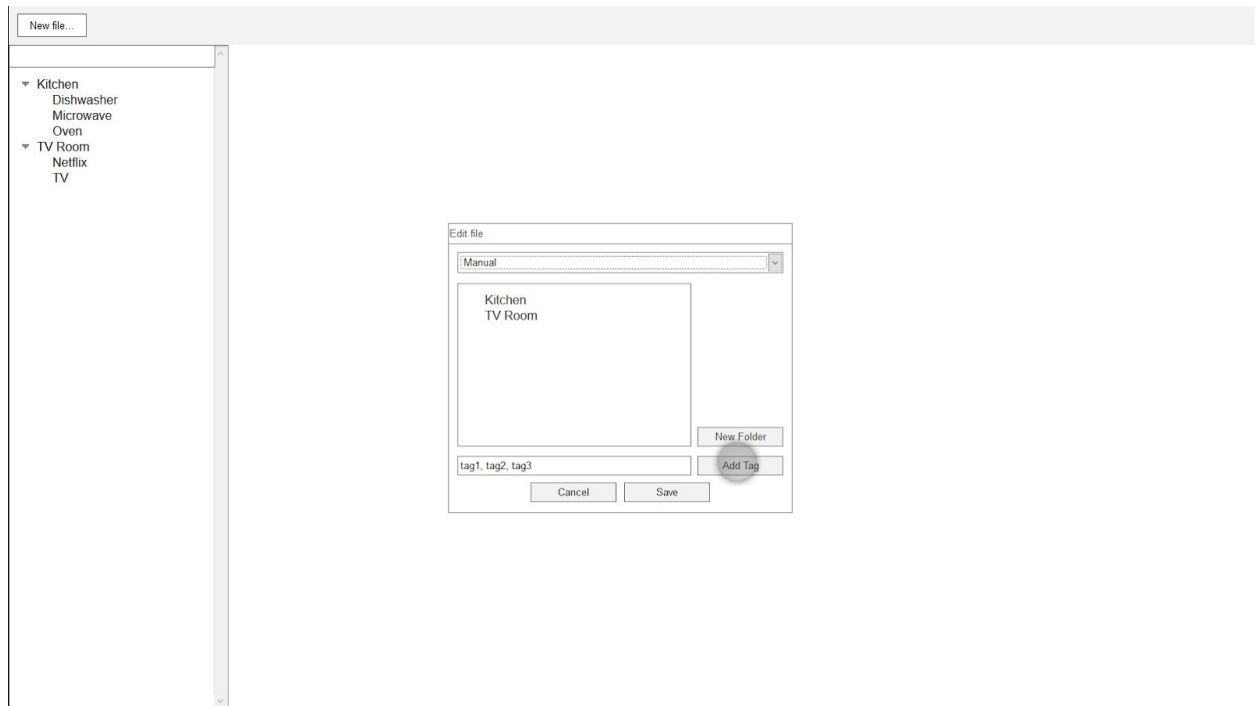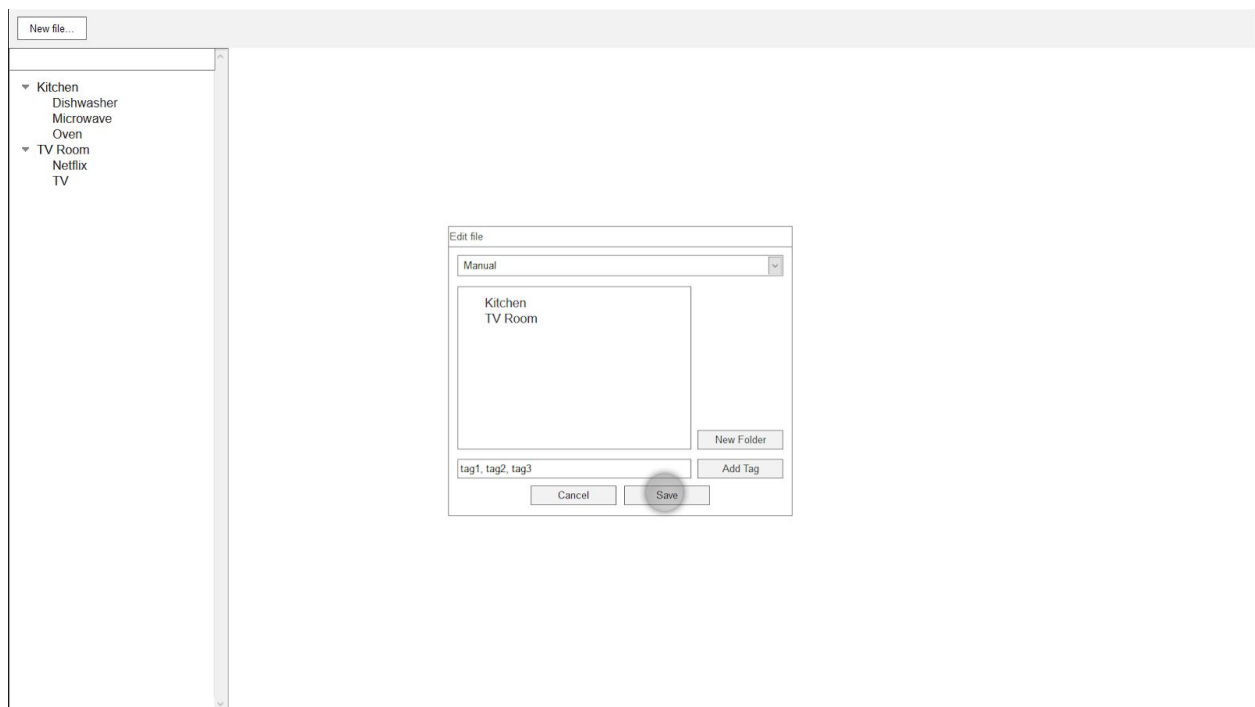
New file...

- Kitchen
  - Dishwasher
  - Microwave
  - Oven
- TV Room
  - Netflix
  - TV

| Edit |
| Move to folder |
| Copy |
| Paste |
| Delete |

Type tags individually or separated by commas.

New file...

Kitchen
Dishwasher
Microwave
Oven
TV Room
Netflix
TV

Edit file

Manual

Kitchen
TV Room

New Folder

tag1, tag2, tag3   Add Tag

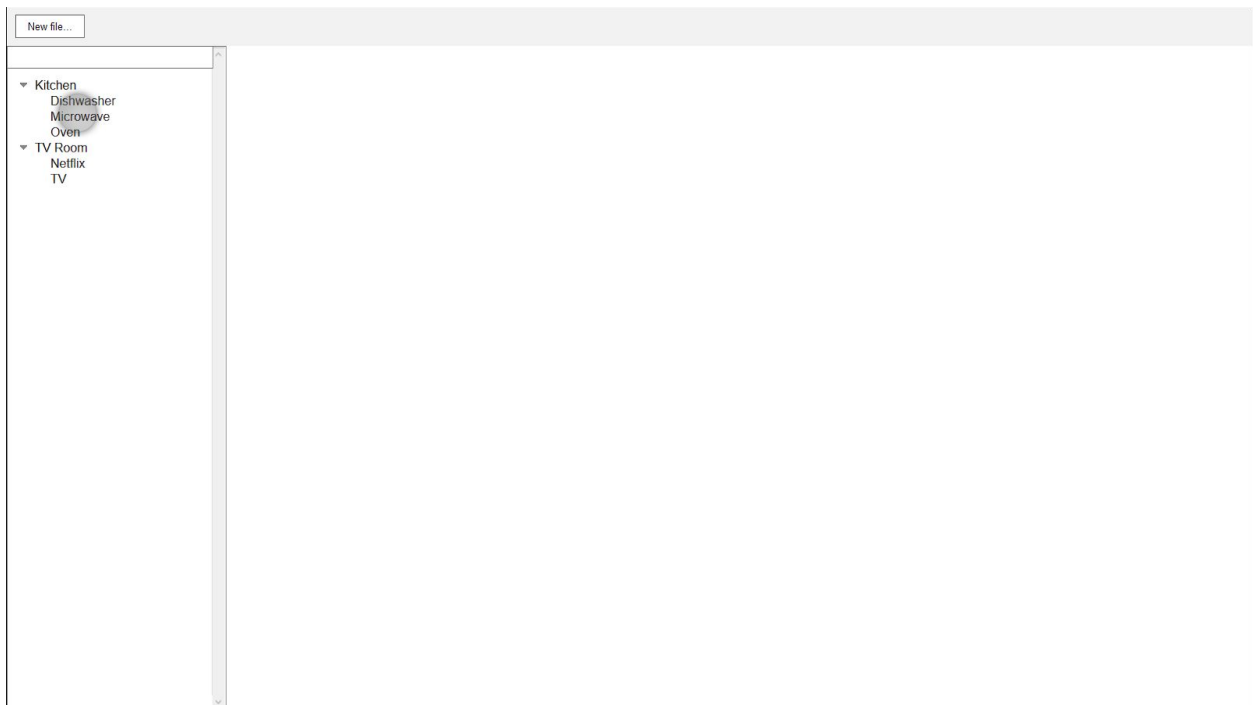Cancel   Save

4. As a <u>user/client</u> I want to <u>be able to separate different categories of information</u> so that <u>my home owner's manual is organized and easily navigable.</u>

New file…

- ▸ Kitchen
- ▾ TV Room
    - Netflix
    - TV
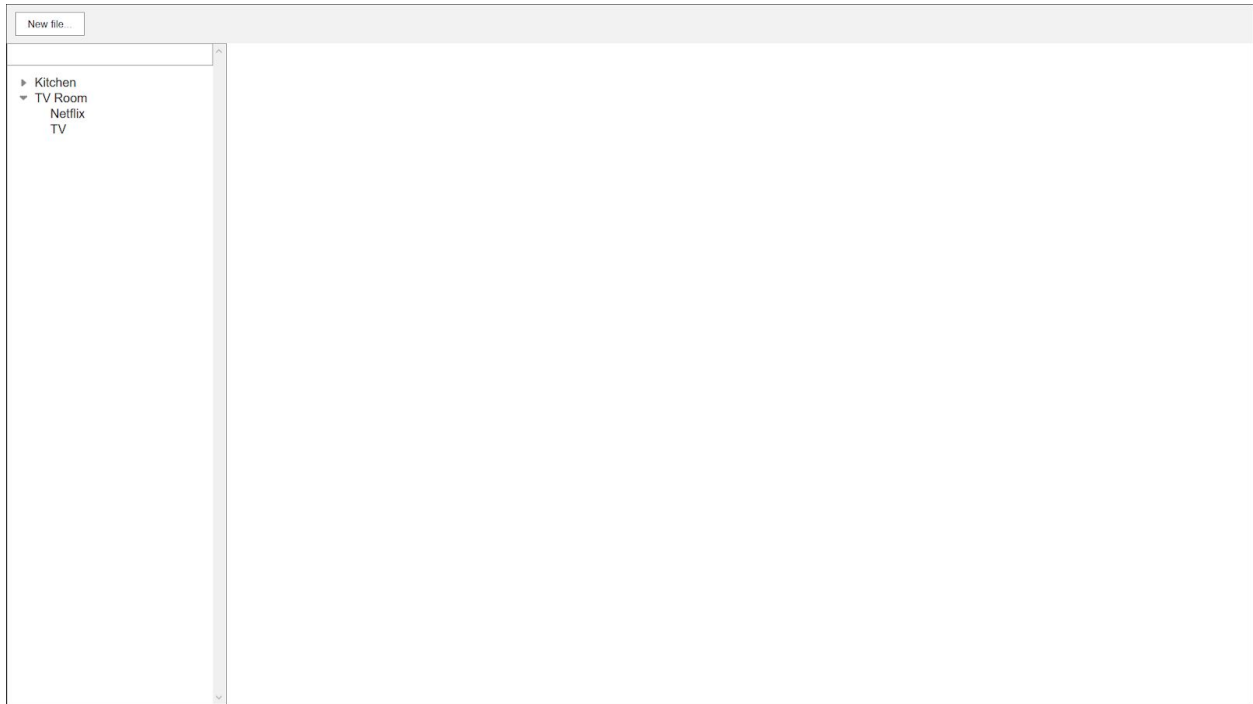
All folders are collapsible and can be renamed. New folders can be added upon import.

5. As a user/client I want to be able to be able to get rid of unnecessary files.

New file…

- ▾ Kitchen
    - Dishwasher
    - Microwave
    - Oven
- ▾ TV Room
    - Netflix
    - TV

New file...

▼ Kitchen
  Dishwasher
  Micr_____
  Ove Add tags
▼ TV Ro Move to folder
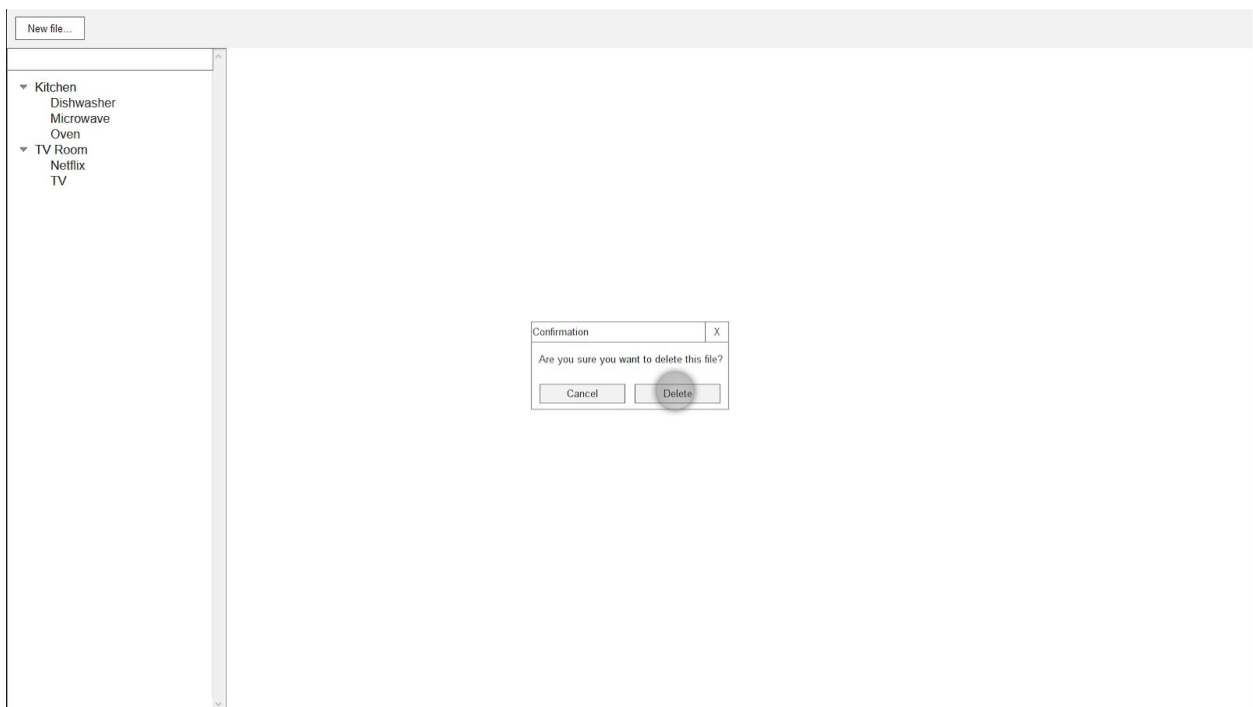 Net Copy
  TV
       Paste
       Delete
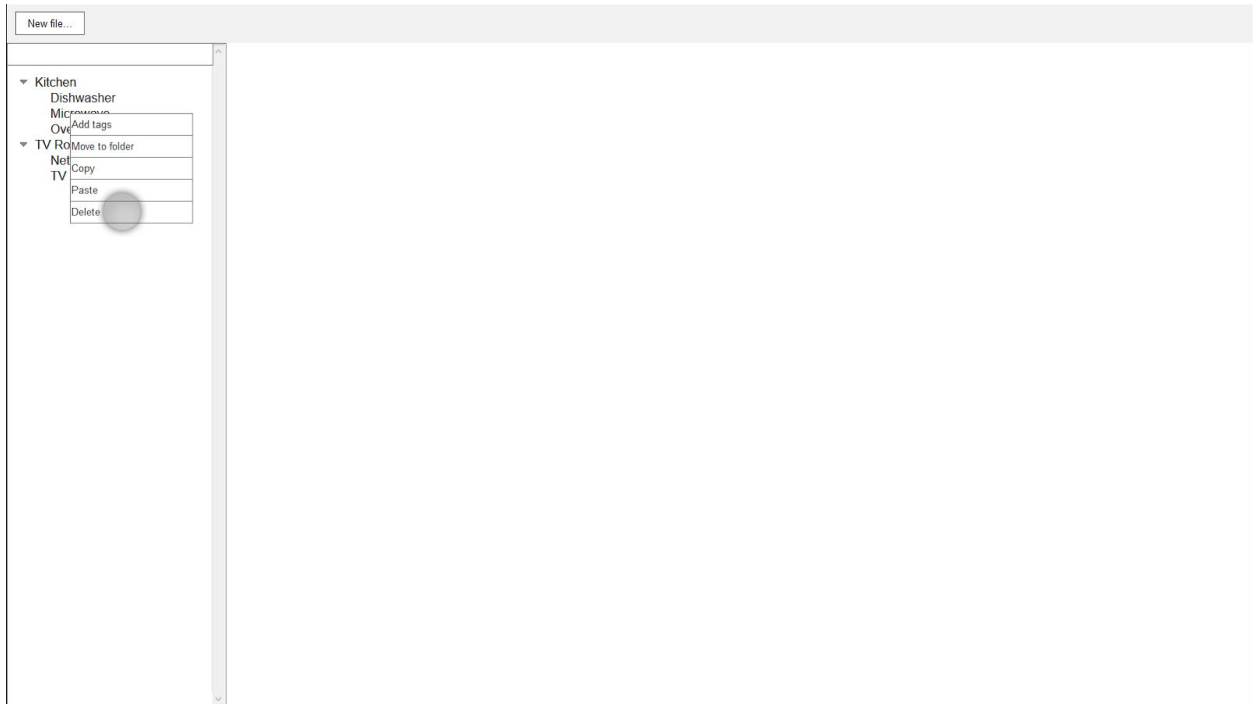
Right-click desired item to delete.

New file...

▼ Kitchen
  Dishwasher
  Microwave
  Oven
▼ TV Room
  Netflix
  TV

Confirmation   X
Are you sure you want to delete this file?
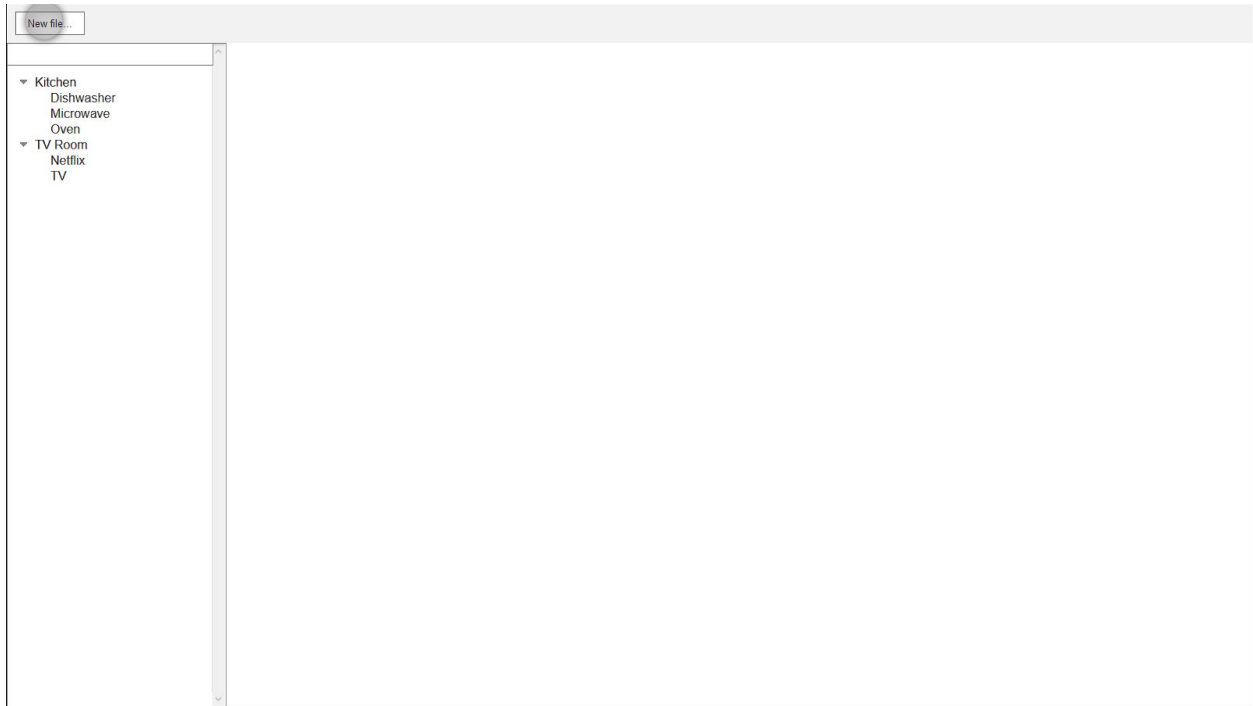   Cancel   Delete

6. As the homeowner I want to be able to upload files on my app so that users can view and refer to them on the app.

Screen 1

New file...

- ▼ Kitchen
  - Dishwasher
  - Microwave
  - Oven
- ▼ TV Room
  - Netflix
  - TV

Screen 2

New file...

- ▼ Kitchen
  - Dishwasher
  - Microwave
  - Oven
- ▼ TV Room
  - Netflix
  - TV

Choose file...   X

- ▼ Desktop
  - Item 1.1
  - Item 1.2
  - Item 1.3
- ▼ Documents
  - Item 2.1
  - Item 2.2
  - Item 2.3

[   ] Add File

New file...

- ▾ Kitchen
    - Dishwasher
    - Microwave
    - Oven
- ▾ TV Room
    - Netflix
    - TV

Choose file...	X
▾ Desktop	
Item 1.1	
Item 1.2	
Item 1.3	
▾ Documents	
Item 2.1	
Item 2.2	
Item 2.3	

Item 1.1	Add File
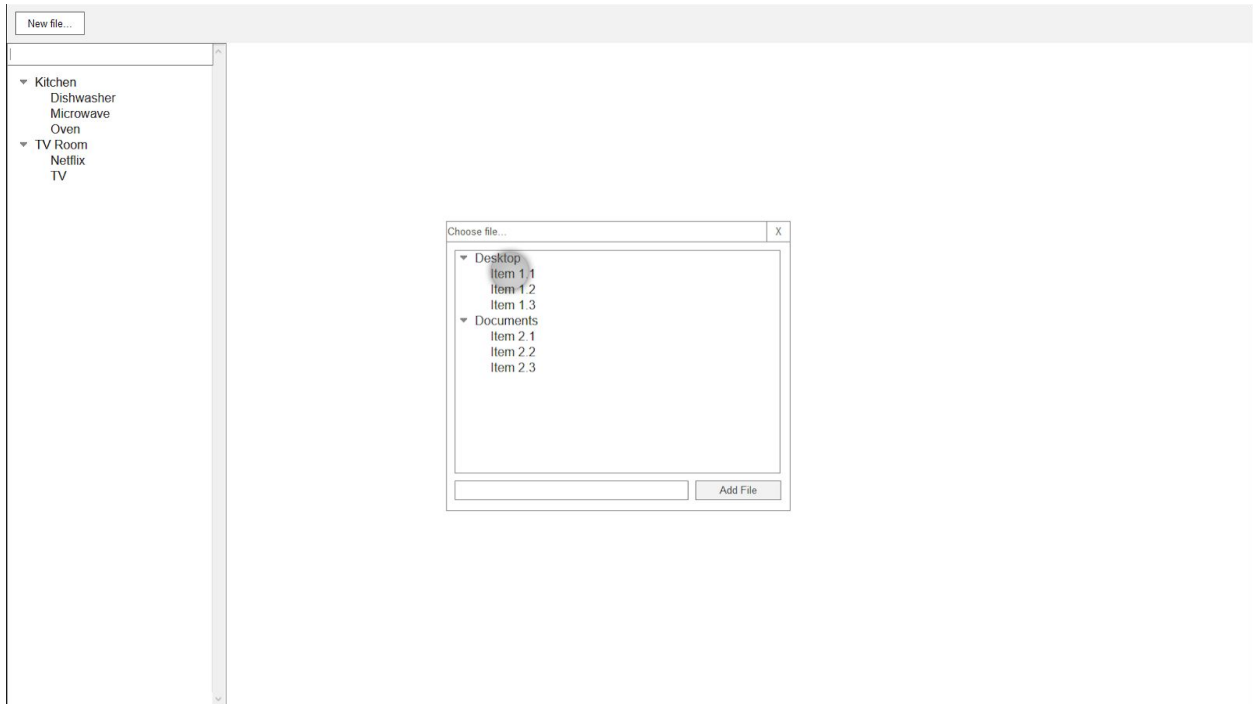
Choose item from file system to import.

New file...

- ▾ Kitchen
    - Dishwasher
    - Microwave
    - Oven
- ▾ TV Room
    - Netflix
    - TV

Add file...

File type...

Kitchen
TV Room

New Folder

Add Tag

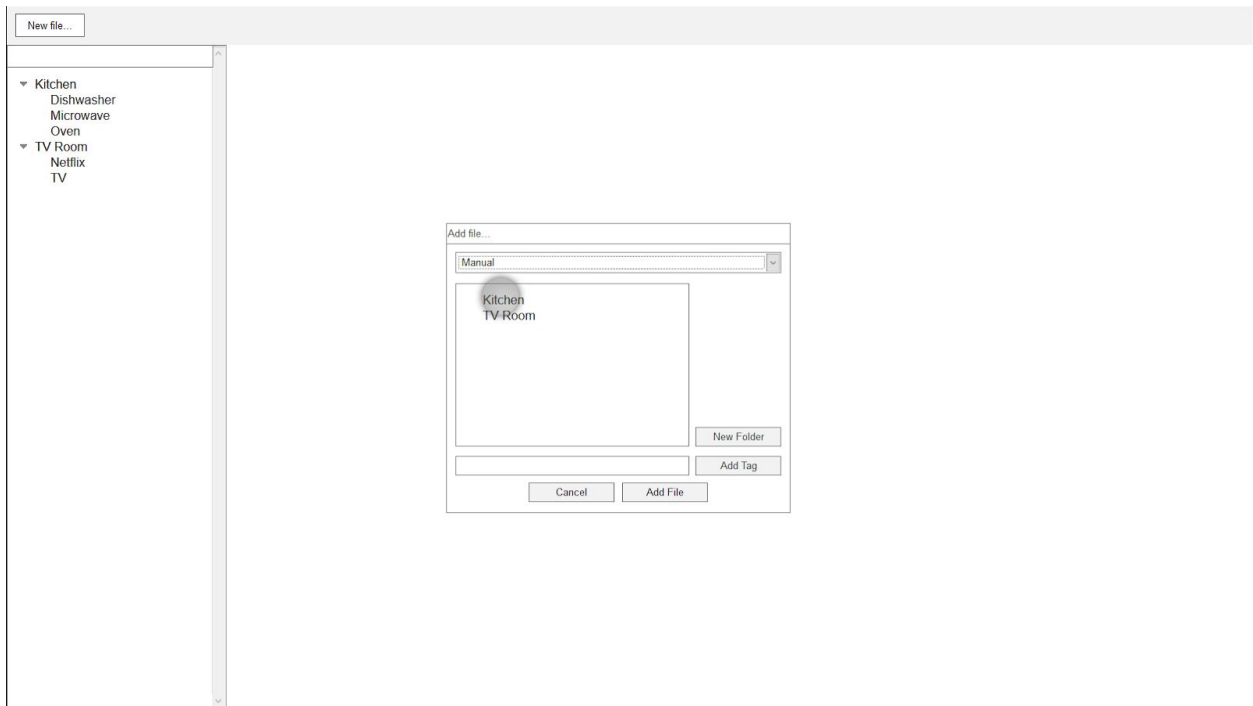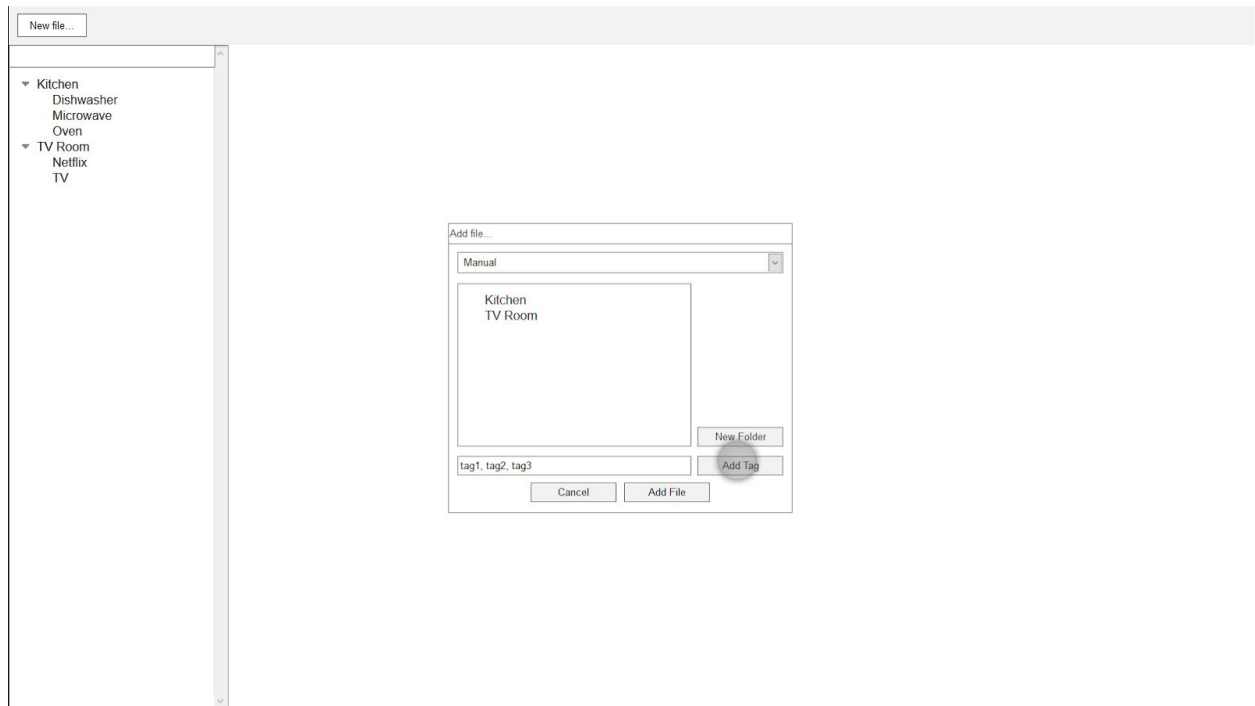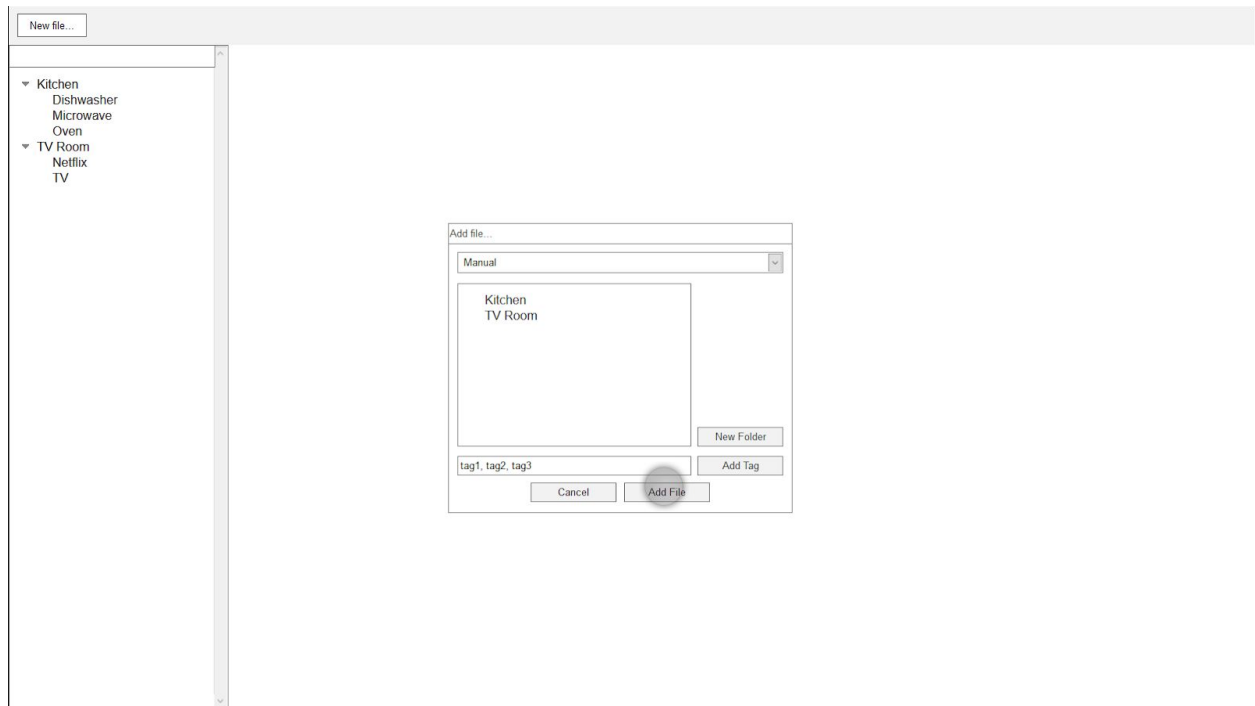Cancel   Add File
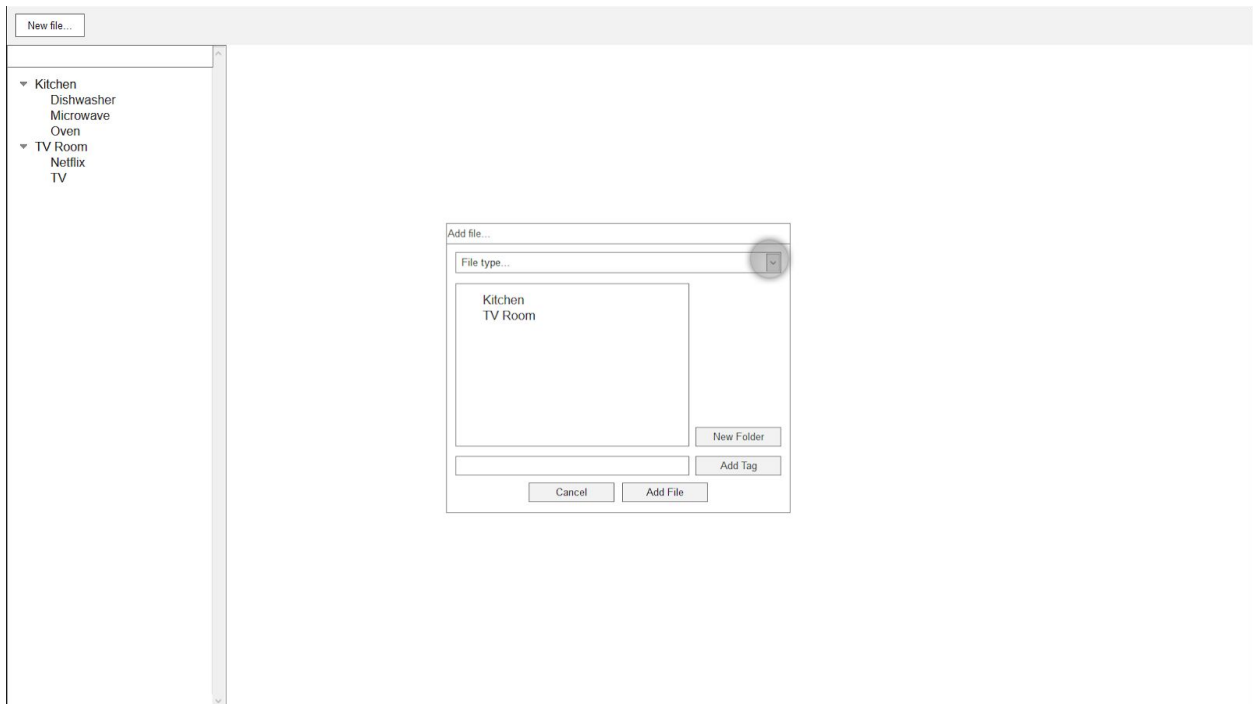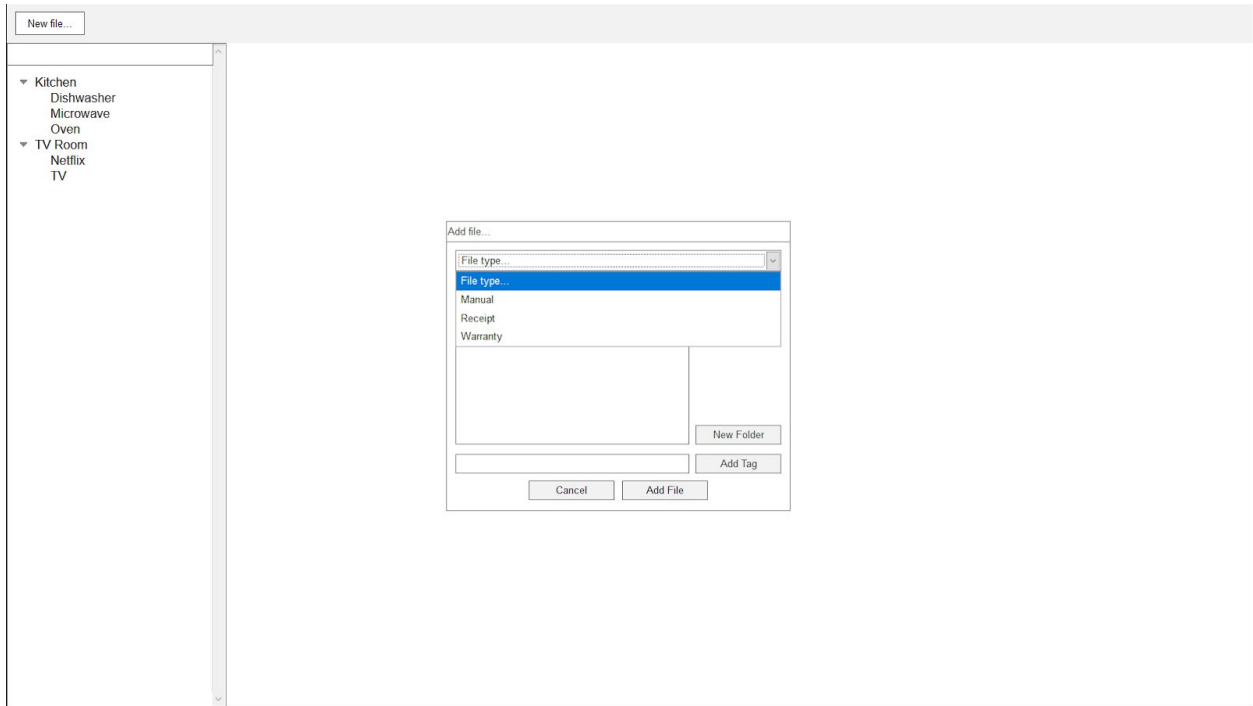
Select desired item type.

Select the folder the item is to be filed under or add a new folder.

Add tags individually or separated by commas.

New file...

▼ Kitchen
    Dishwasher
    Microwave
    Oven
▼ TV Room
    Netflix
    TV

Add file...

Manual

Kitchen
TV Room

New Folder

tag1, tag2, tag3 | Add Tag

Cancel | Add File

4) Requirement Specifications

4.1) Overview

The Home Owner's Manual application is an application that would help organize documents and information for your home and things around your home.

4.2) Home Page

The home page is the only page of this application and it is what would be displayed when the application is opened. The home page is divided into 3 sections: the tool bar, the folder directory (the sidebar), and the main panel. The idea behind just having one page for the entire application is to keep the navigation experience as simple as possible. This prevents the user from being overwhelmed by many different pages and having to click on a back button to get out from where they were.

4.3) Toolbar

The toolbar would have four buttons: File, Edit, Login, and Help. The File tool allows the user to add, import, and export files. The Edit tool allows the user to update/change the contents of a file or delete a file. Logging in is only for admins to gain access to use the File and Edit tools. Help would contain documents on how to navigate and use the application. When any of the options in each tool is selected, a pop up would appear for the respective option. For example, if the admin were to select on the import file button under File, a file upload pop up would be displayed to allow the admin to select a file.

4.4) Folder Directory

The folder directory is a sidebar located on the left side of the screen. This is how the user would navigate through the different files on the application. This sidebar would also contain a search bar on the top. Tags can be added to folders and files to allow for quicker and easier searches. The admin can organize the folders by rooms in the house such as Living Room, Kitchen, and Bathroom. Within each of these room folders, there may be additional folders for sub categories such as Items, Manuals, Receipts, etc. Right clicking on folders or files would also give the admin additional options such as copy, paste, delete, etc.

4.5) Main panel

The main panel is where a selected file would be displayed. The user should be able to view the contents of supported file types directly on this application. Common file types

such as images, text files, Word documents, and PDFs should be supported. The user should not have to download the file and open it using another software as that would defeat the whole purpose of this application. On multiple page documents, the user can click on previous and next page buttons to go through the document.

4.6) Administrator
An administrator can login to gain administrative privileges. An admin would have total control of the app. Only the admin has access to the File and Delete buttons on the toolbar that would allow the admin to add, delete, or change anything. Regular users can only view files and may not change the folder directory in any way.