

TeamName

Michael Theisen, Patrick Tibbals, Jasharn Thiara, Trevor Tomlin

<https://teamname-tcss360.github.io/>

teamname.tcss360@gmail.com

Table of Contents

Summary.....	2-3
Requirements Definition / Functional Specification.....	4
Story Board / Paper Prototypes.....	5
Requirements Specification / Technical Specification.....	

Summary

The group name is TeamName. Our shared vision for this project would be a self contained file finder window that will be tailored towards storage of solely text documents, pictures/drawings. This application will function as a digital file folder to store customer purchase documents to allow combined location for all associated files of all file types.

Personas:

1. Jeffrey Weiss is a software developer working on behalf of his development team. After receiving a contract request by Bob Keener, retired engineer and DIYer, he shows that he is keen on asking the correct questions to ensure that he and his team are able to develop an app that fits the specifications that Bob has in mind. Luckily Jeffrey is able to empathize with Bob's situation, leading to him asking some very good questions during the interview. Jefferey moves from question to question while allowing Bob to elaborate on a variety of scenarios that allow Jeffery to grasp a bigger picture on what Bob needs. In the process, Jefferey's questions move from what Bob wants in an app toward how Bob would like to see the app function and ties up many loose ends by asking Bob if there are any additional features he would like to see. Jeffery shows that he can ask good questions while still acknowledging the data he will confer to his team. In ending the interview, Jeffery shows that he has genuine enthusiasm toward dealing with this project and promises to continue to ensure that Bob will be able to continue watching the progress that the team makes.
2. Bob Keener is the potential product owner and happens to be a retired electrical engineer. After getting fed up with an excess of outdated manuals and broken URL links to old products, Bob launched an inquiry to a software development contract to Jefferey Weiss and his development team. Bob's frustration leads him to wanting an organizer for all his information that he has to keep track of regarding major appliances and home systems. As a retired engineer, Bob likes to keep his own notes on these appliances that have his own with measurements, drawings, and plans. His filing cabinet is substantially full and still holds old documents pertaining to appliances he no longer has. Bob's feelings and situation leading to a firm understanding between the two parties and allows Bob to convey his needs more accurately.

Scenarios:

1. Bob installs laminate flooring in the family room. He wants to keep the drawings he made, the manufacturer's information, and the warranty in one place, but he feels silly printing this information and storing it in a folder.
2. Bob purchased an oven range for the kitchen. The warranty, receipts, and manuals are scattered between paper and the phone app so he wants to have one place where he can keep all of this information.
3. Bob feels frustrated when trying to search through an abundance of outdated information.
4. Bob feels overwhelmed with remembering all of the expiration dates to his warranties.
5. Bob wants friends and family to be able to access certain files, but not have the ability to edit them.

Requirements Definition / Functional Specification

User Stories:

- US01: As a user, I want to be able to store documents.
- US02: As a user, I want to be able to use a keyword search.
- US03: As a user, I want to be able to delete old info.
- US04: As a user, I want to be able to edit documents.
- US05: As a DIYer, I want to be able to keep track of measurements alongside documentation.
- US06: As a user, I want to be able to access to all drives
- US07: As a user, I want to have the ability to export data.
- US08: As a user, I want to be able to upload my data to the cloud.
- US09: As a user I want to sign in to a profile.
- US10: As a user, I want to be able to control who has access to the info.
- US11: As a user, I want to be able to share documents.
- US12: As a user, I want to be able to sort the documents.
- US13: As a user, I want to have navigation buttons to move through folders efficiently.
- US14: As a user, I want to use the app offline.
- US15: As a user, I want to have a service reminder.
- US16: As a DIYer, I want to be able to edit the code.
- US17: As a developer I want to have a user suggestion feature
- US18: As a developer I want to be able to use a bug reporting feature.

Business Rules:

- BR01: The user must have access to combine online and hard copy information into one location
- BR02: The user must have access to all files
- BR03: The user must have access with or without internet
- BR04: The user must be able to edit/move/delete files
- BR05: The user must be able to share files with other users
- BR06: The user must have the ability to search by keyword
- BR07: The user will have a calendar to track repairs/maintenance needed for products

Non-Functional Requirements:

- Capacity/Scalability
- Product will not require any sensitive personal data to run
- Work on or offline
- Storage will be similar to the finder window though subfolders will likely be auto generated within each.

Paper Prototype

Functionalities:

Add

- Drag and drop

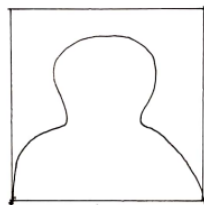
Delete/Remove

- Right click, Delete.

Search

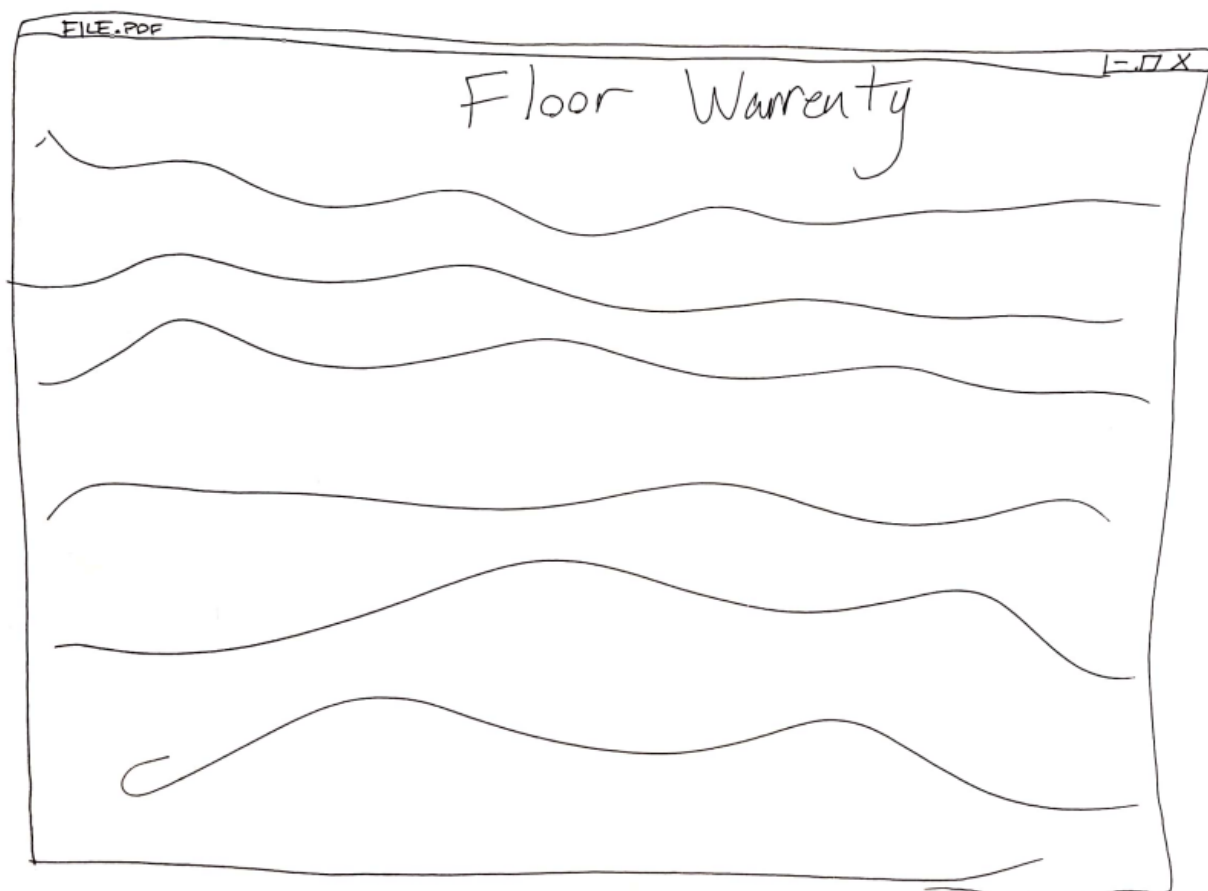
- Via keyword
- Save file path

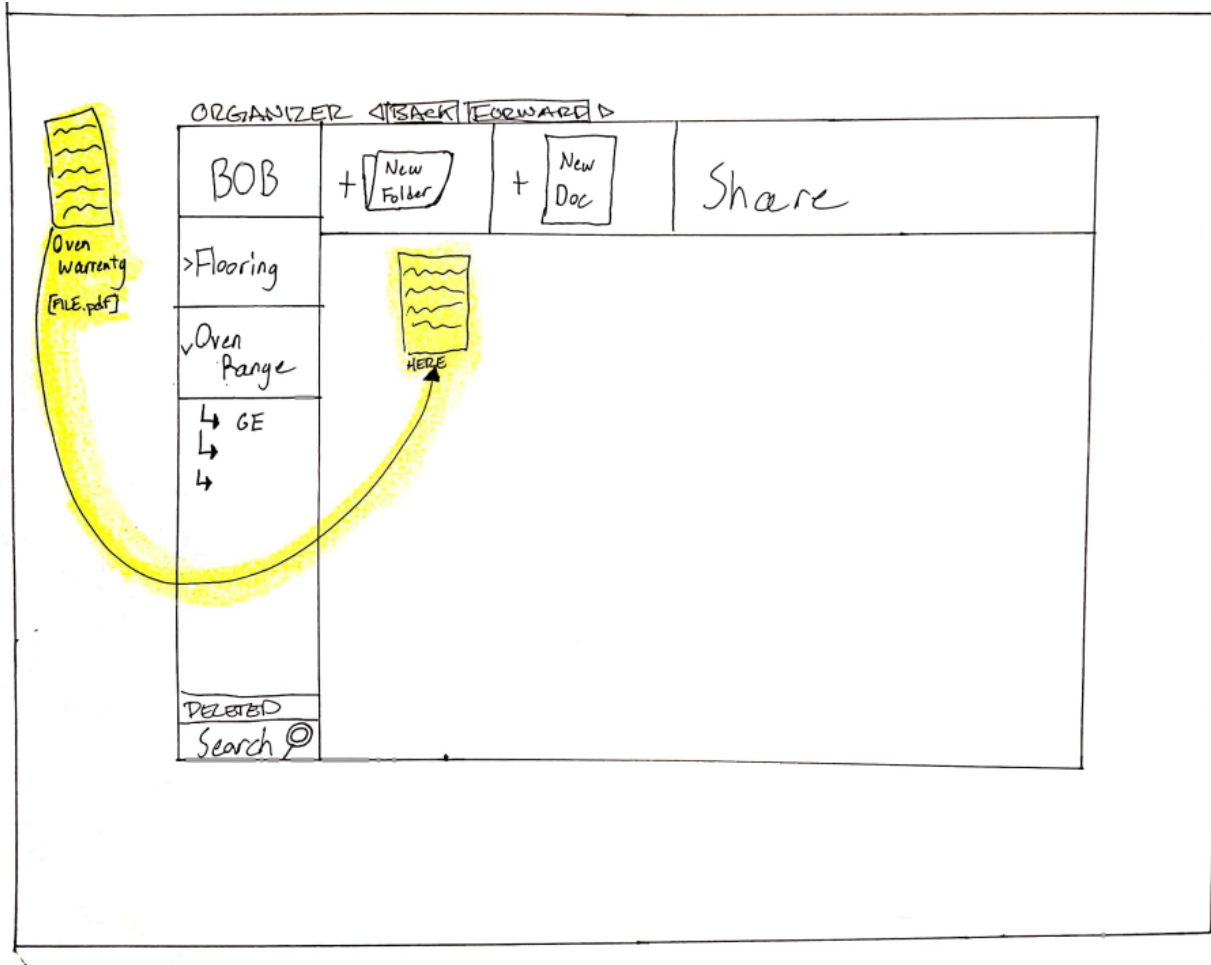
! - □ X



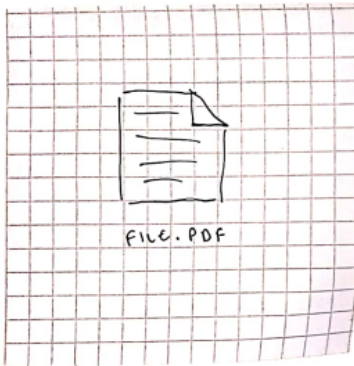
BOB

A hand-drawn sketch of a file explorer interface. The top bar contains the text "Organizer..." followed by navigation buttons: a left arrow, "BACK", "FORWARD", and a right arrow. On the far right of the top bar is a close button labeled "- X". Below the top bar is a header row with three buttons: "+ New Folder", "+ New Document", and "Share". The main area of the interface is divided into a left sidebar and a main content area. The sidebar has a header "BOB" and two items: "> Flooring" and "> Oven Range". The main content area displays two document icons: one labeled "Flooring" and another labeled "Oven Range". At the bottom of the sidebar, there are two buttons: "Deleted" and "Search" with a magnifying glass icon. The bottom status bar contains the text "START" followed by five icons: a square, a square, a triangle, a square, and a square. On the far right of the status bar is a timestamp: "4/14/2022 1:00".





2/



SEARCH 	GO
--	----

FLOORING

Right click on File Menu

Save
Open
Delete
Get File Path
~~~~~
~~~~~
~~~~~
~~~~~

Deletion conFirmation

Are you Sure you would like to Delete this File?

Yes	NO
-----	----

Today (Tuesday 4/19), after a lecture in the first part of the class session, I would like to review with each team a first draft of your requirements deliverable due next week. Please have ready a paper copy we can review and markup. You can review the deliverable assignment here -> [Project Requirements Deliverable](#).

1. Cover page: Team name, membership, website url, and contact information.
2. Table of Contents
3. Summary Page
4. Requirements Definition / Functional Specification : This will be a list of the user stories and a list of business rules.
5. Story board / Paper Prototypes: Make prototypes to enact the 3 highest priority user stories or user story epics. Capture a sequence of images to demonstrate a usability session using the paper prototypes for the success (“acceptance” or “sunny day”) scenarios of each story. Include alternate scenarios (“invalid” or errors) if possible
6. Requirements Specification / Technical Specification: A brief section that can outline only what is obvious at this early stage about the implementation. Make no assertions about implementation technologies. Use information from the textbook and articles I’ve shared for guidelines on specifications.
7. Optionally include a single page of additional text or images that helps convey the requirements that hasn’t been expressed in the other parts of the deliverable document