

Introduction and Background

Our team created a program that allows users to store resources in an organized way. A User can create different categories for different areas of their life and then put the related resources in the respective category. The structure of the application will be exactly like a file tree and will provide frameworks for storing all the different types of resources in a way that is relevant. For example a video resource can be stored and the video can be displayed within the application for easy access. Furthermore, users can add additional information or notes on their own to help summarize the resources.

In daily life, it is very common to see all kinds of useful resources that people are interested in and want to remember, but they will always lose track of those resources when it comes time to reference them again. This application can help people solve this problem. For example, a computer science professor who always wants to learn new things about the industry and share them with students can use our application to create different kinds of relevant categories like teaching, research and cooking. Within the teaching node, he can save all of the resources about the different classes he has. He can also store references for his personal life like recipes inside of his cooking category. For another instance, a Software Engineer job applicant has taken multiple networking calls, read a ton of useful articles about applications and resumes, and has even watched TikToks that give good examples of good responses to interview questions. She needs a way to organize all of these resources in a way that is easy to use and track. This application is a solution to both of those user's problems. The use case diagram below shows how a user finds a youtube video about a recipe. The user is then able to add that recipe video to his cooking category for later reference.

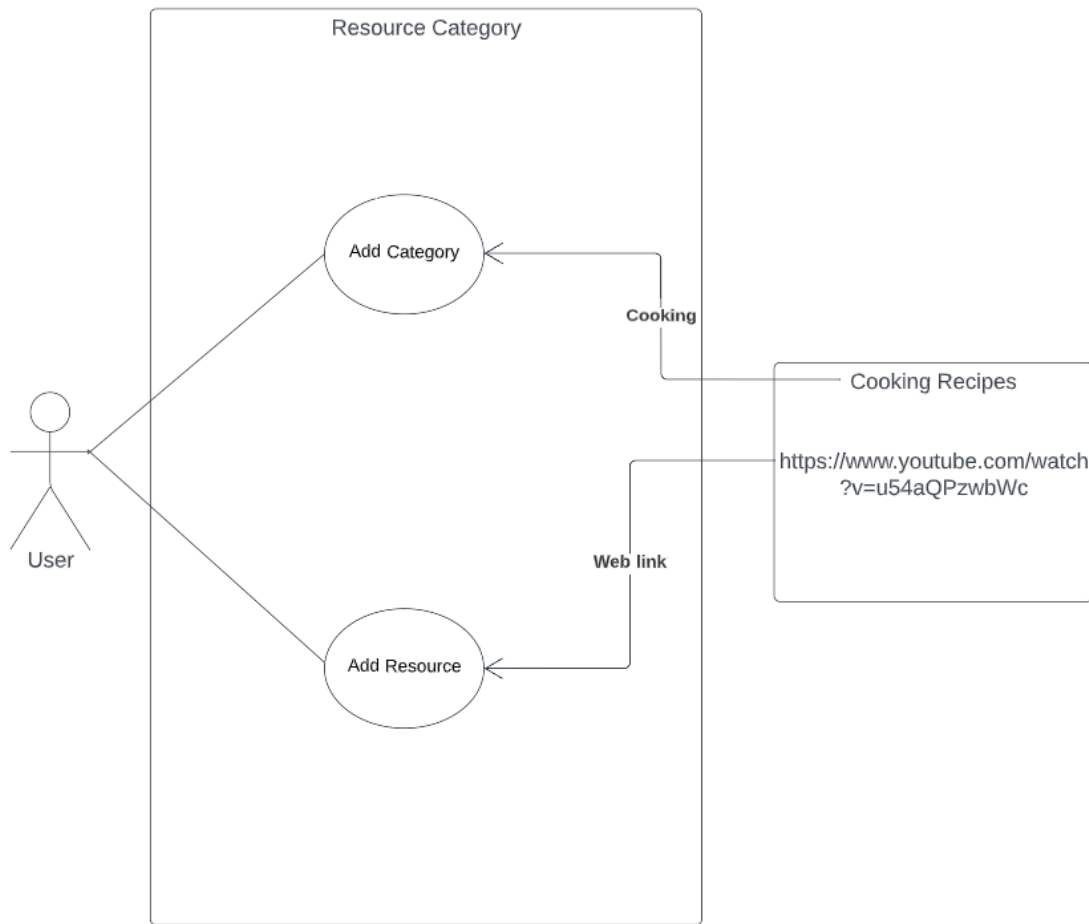


Figure 1 UML Case Diagram

Instructions

First, when you entered the system, it is going to ask users for their name, which lets the users to create their personal resource tree:

A screenshot of a small application window titled "Enter your Name" with a close button (x) in the top right corner. The window contains a label "Enter your name" next to a blue circular icon with a white question mark. Below the label is a text input field. At the bottom of the window are two buttons: "Cancel" and "OK".

Figure 2 Enter Name

Next, the system will give users the instructions for using the application:

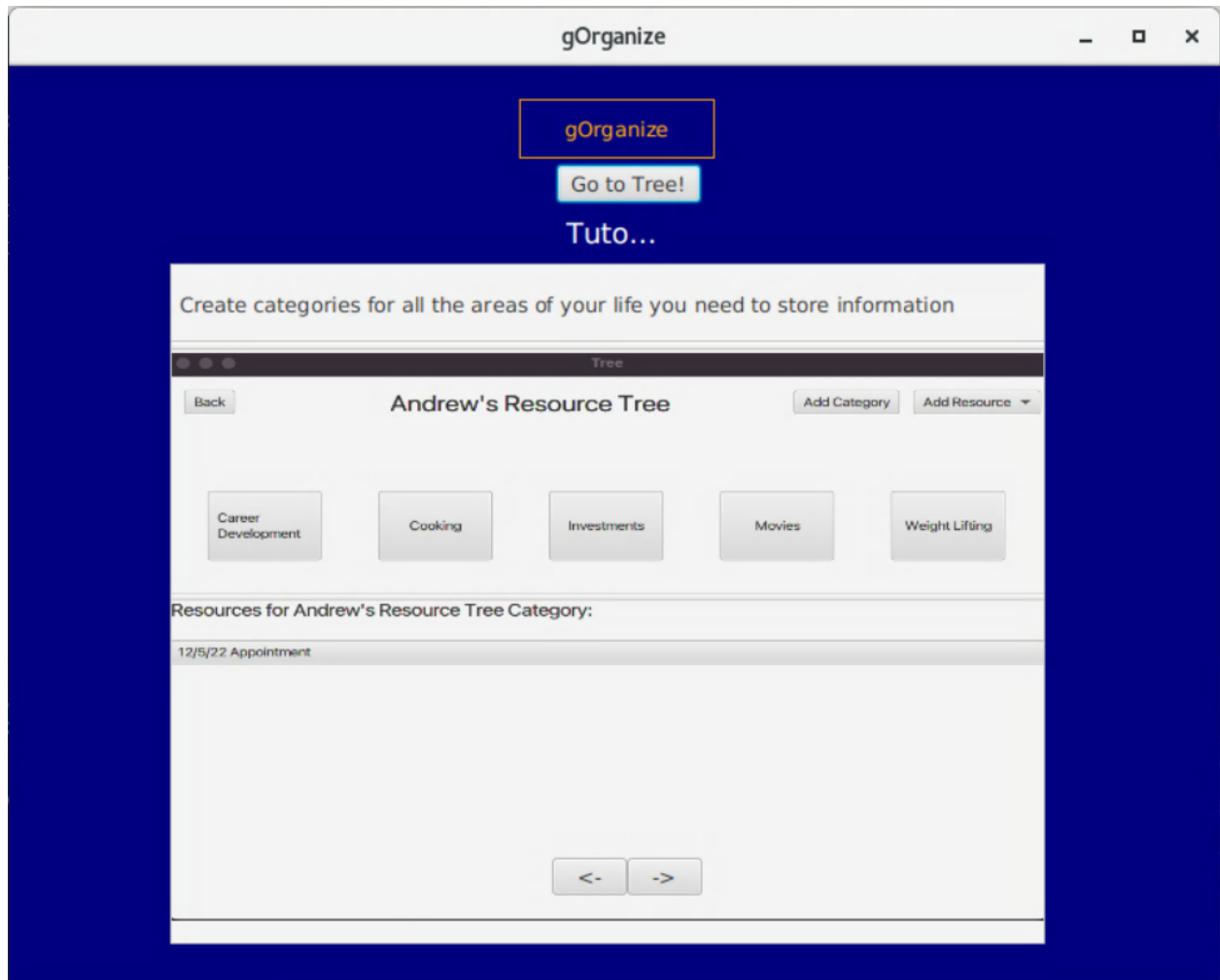


Figure 3 Instruction for creating the categories

Then, the default Resource tree will show up, and users can click the “Add Category” button to create a new category by typing in the name and description:

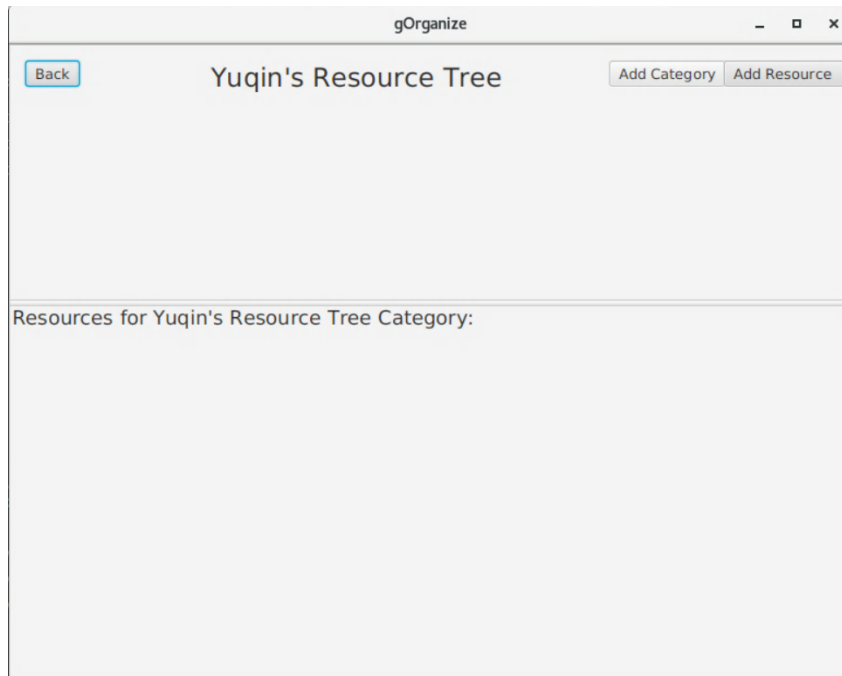


Figure 4 Default Resource Tree

A screenshot of a web application window titled "gOrganize". The window has a header bar with a "Back" button on the left and "Add Category" and "Add Resource" buttons on the right. The main content area is titled "Create New Category". It contains two input fields: "Name of category" and "Description". The "Name of category" field is a single-line text input, and the "Description" field is a multi-line text input. Below these fields is a "Continue" button.

Figure 5 Create New Category

Also, users can add sub categories to get more specific along with things to remember related to the category:

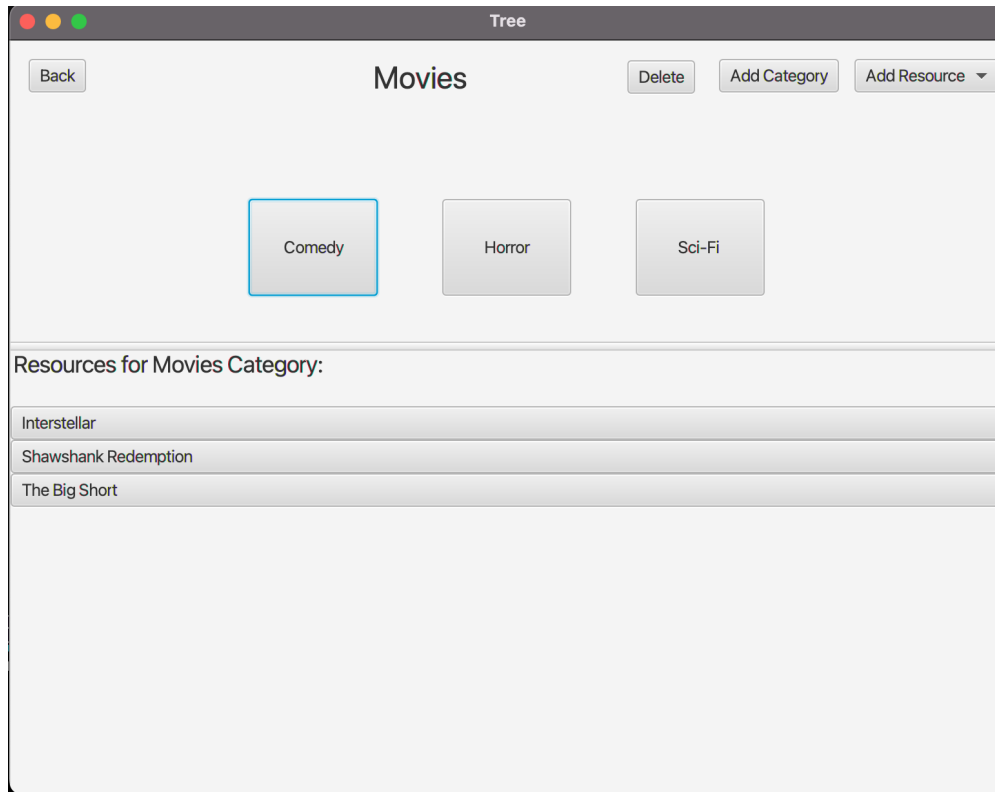


Figure 6 Create sub category

To add the related resources, users can click the “Add Resource” button to choose to add a web resource or a simple text resource. By adding web resources, users can link to a web address for easy access to the website along with the notes, while by adding simple text to make sure they can remember information:



Figure 7 Add a Web Resource

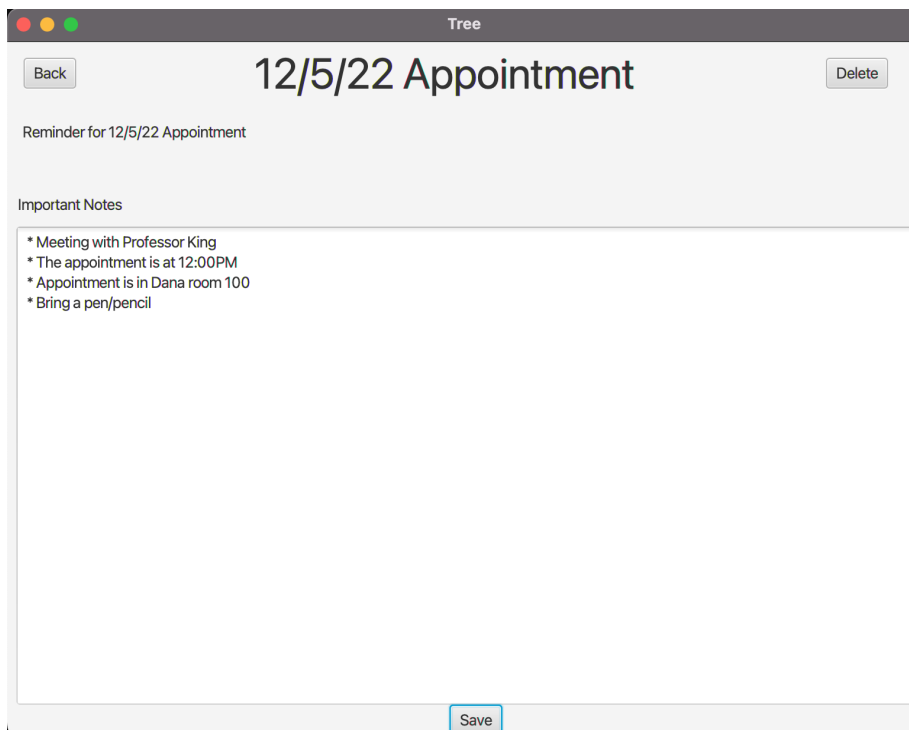


Figure 8 Add a Text Resource

