ChatGPTatHome

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Summary

The program is aimed at those looking for a way to keep track of their project plans.

Persona(s):

Ms. Bizzle, age 30, an arts and crafts enthusiast, likes creating little art projects as a hobby. She likes being organized and keeping track of her costly hobby.

Ms. Lara, age 27, is an elementary school teacher with a passion for crafts and personal touches. She enjoys using her creativity to make heartfelt, handmade cards and gifts for her friends and family, particularly around holidays and special occasions.

Mr. Walters is meticulous, tech-savvy, and enjoys problem-solving. He works as a software developer and has a keen interest in building and programming his robotic projects during his free time. He is always on the lookout for new sensors and components to enhance his creations.

Ms. Harper, a 26-year-old professional makeup artist, combines her love for interior design and DIY to creatively personalize her workspace. Inspired by fashion magazines and design blogs, she excels in organizing and styling her environment to enhance her artistic work.

Ted, age 11, son of Ms. Bizzle, shares his mother's passion for DIY projects. Whenever Ms. Bizzle starts a new DIY project, Ted always wants to help out. Ted is prone to making mistakes, so his mother has to selectively pick out tasks for him, or supervise him.

Gor Donram Zee, age 57, owns a bakery. Loves baking for his customers, family, friends, and for himself. Enjoys tackling a variety of recipes. Wastes a lot of time organizing and utilizing his recipe lists.

Scenario(s):

Ms. Bizzle loves hoarding materials like tape, glue, cardboard, and anything she might find useful for her personal art projects. However, she has trouble as to how much she has spent in buying materials for her projects vs. how much she budgeted. She'd also like something to organize and log her projects so that she can keep track of how much time, money, and material went into each one. Being a forgetful lady sometimes, she'd like to keep a hard budget and know when she's almost at or over budget with the actual costs of her expenses.

Ms. Lara wants to expand her crafting skills to create more elaborate handmade cards and personalized gifts. She finds herself spending too much time and money on craft supplies due to poor planning and organization. Ms. Lara would benefit from a crafting management app that helps her catalog her existing supplies, track her spending against a specific budget, and manage her time effectively. The app could also offer inspiration and tutorials to help her refine her skills and keep her projects innovative and exciting. This tool would help her maximize her creativity while keeping her organized and within budget.

Mr. Walters is deeply engaged in constructing custom robots that can perform various household tasks. Although he excels at the technical aspects, he often loses track of his spending on new components and tools. With multiple projects usually ongoing, Mr. Walters needs a system to help him manage budgets for each project individually. He also finds it challenging to estimate the time each project will take, which sometimes leads to overlapping deadlines. A digital organizer that could help him schedule project timelines, track expenses, and remind him of upcoming milestones would greatly enhance his productivity and help keep his hobby within budget.

Ms. Harper is passionate about creating a functional yet stylish makeup table that reflects her personality and meets her professional needs. She envisions a space where everything is easily accessible and beautifully displayed. However, Ms. Harper struggles with finding the right mix of storage solutions and aesthetic enhancements within her budget. She often goes overboard with buying decorative pieces and underestimates the cost of practical items like good lighting and durable organizers. She needs a system to plan her decoration projects, track her expenses, and manage her budget. A tool that allows her to visualize the layout, store links to products she intends to buy, and keep an inventory of items she already owns would help her stay organized and on track financially.

Ted loves helping his mother, Ms. Bizzle, with her DIY projects. Recently, his mother has gotten ahold of an app she uses to keep track of her projects. Whenever Ted helps his mother out with a project, he might need to update certain things on this project, such as checking off a task as done. However, Ted struggles to navigate the main menu of this project, as he doesn't have experience with any similar applications. He also often makes changes that he did not mean to and wishes he could undo them.

Gor Donram Zee loves baking a variety of recipes. Whenever a customer leaves an order, he writes down their specifications, and then the steps to get it done. He also keeps track of the deadline for the order, and which ingredient he will need, and how much it will cost, so he can calculate how much to charge the customer. He also has a list of foods he must bake to stock his bakery, for everyday customers. He might also have recipes he wants to try in his personal time, so he separates recipes by ones for customers and ones for his personal use.

Functional Requirements

Epics:

1. As a DIY enthusiast, I need a way to organize my project plans**.**
2. As a DIY enthusiast, I need a way to keep track of project progress.
3. As a DIY enthusiast, I need a way to separate projects.
4. As a DIY enthusiast, I need a way to upload files.
5. As a regular user of popular programs, I want a GUI that I am familiar with.

User Stories:

US01: As an organized user, I want to be able to easily create folders.

US02: As a DIY enthusiast, I want to keep track of tools and materials used for a project.

US03: As a DIY enthusiast, I need a way to keep track of project costs.

US04: As a DIY enthusiast, I need a way to estimate project costs.

US05: As a DIY enthusiast, I want to be notified when a project exceeds budget or estimates.

US06: As a DIY enthusiast, I want to have a way to download information from the app for storage or sharing.

US07: As a DIY enthusiast, I want to compare budgets and estimates with actual costs.

US08: As a DIY enthusiast, I want to be able to set and track my budget for each project.

US09: As an organizer, I want to close/minimize my windows through conventions.

US10: As a DIY enthusiast, I want to manage multiple projects simultaneously, with the ability to easily switch between them, so I can efficiently handle various tasks without losing track.

US11: As a DIY enthusiast, I want to set reminders for project deadlines, so I can manage my time effectively.

US12: As an organized user, I want to be able to easily delete folders.

US13: As a Chrome user, I want tabs because it is a familiar concept and it would make things easier to navigate.

US14: As a DIY enthusiast, and a parent, I want to be able to have multiple users, such that I or my child are able to log into their own accounts.

US15: As an organized person, I want to be able to organize my tabs to whatever fulfills my needs at the time.

US16: As a DIY enthusiast, and a parent, I want to be able to have admin privileges for my projects, so that I can prevent drastic changes to them from other users.

US17: As a DIY enthusiast, I want to access information on past projects, so I can reuse successful ideas and learn from past mistakes.

US18: As a DIY enthusiast, I want to be able to set reminders for purchasing needs.

*US19: As a DIY enthusiast, I want to view summaries and progress reports for each project, so I can easily assess what has been done and what still needs attention.

US20: As a DIY enthusiast, I want to have information on tools and appliances even if the links or websites about them are dead.

US21: As a DIY enthusiast, I want to document my projects and share them easily with others, so I can showcase my work and inspire others.

Business Rules:

- BR01: The program should be able to clear all your data to comply with General Data Protection Regulation (GDPR) rules
- BR02: The personal information of customers should be encrypted.
- BR03: All users must be authenticated through secure login procedures before accessing the application to ensure that access is restricted to authorized users only.

Non-functional Requirements:

- NF01: The app startup shouldn't take long to load
- NF02: The user interface should update fast
- NF03: The user interface should be intuitive and easy to navigate for users of all skill levels.
- NF04: The application should support multiple languages and regional settings to accommodate users from different geographical locations.

Paper Prototypes

As a DIY enthusiast, I need a way to organize my project plans.
As a DIY enthusiast, I need a way to keep track of separate projects.
As a DIY enthusiast, I need a way to keep track of project costs.
As a DIY enthusiast, I want to keep track of tools and materials used for a project.
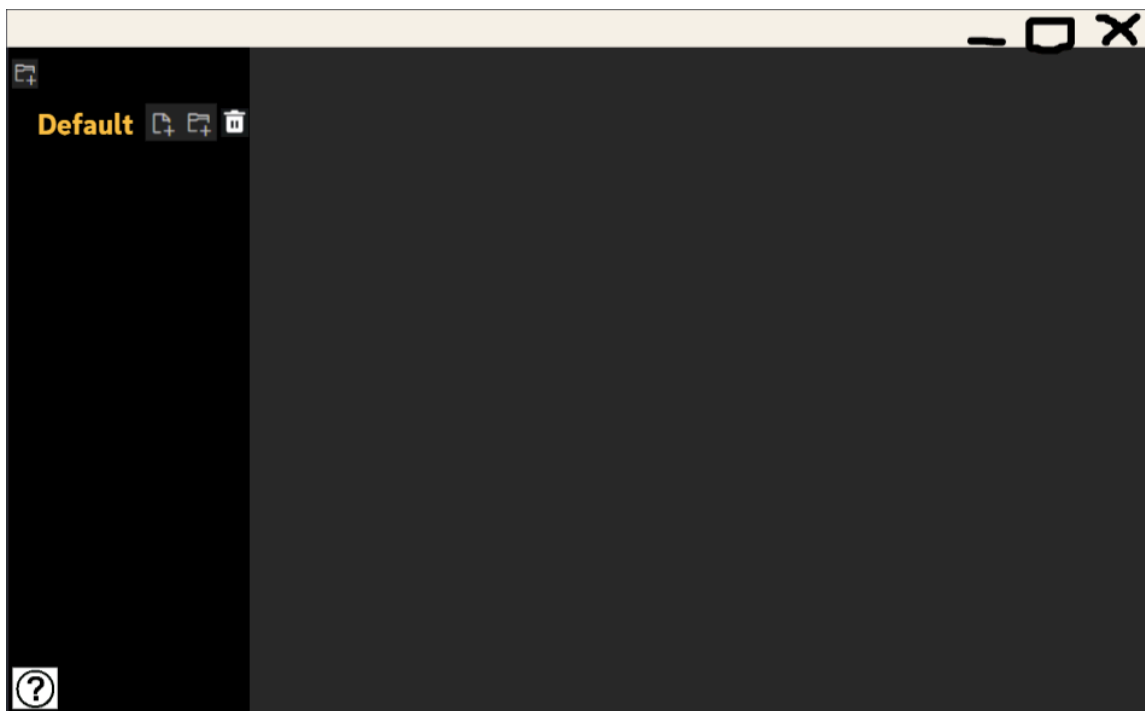
The main interface will contain a directory of all projects. Every icon is clickable.
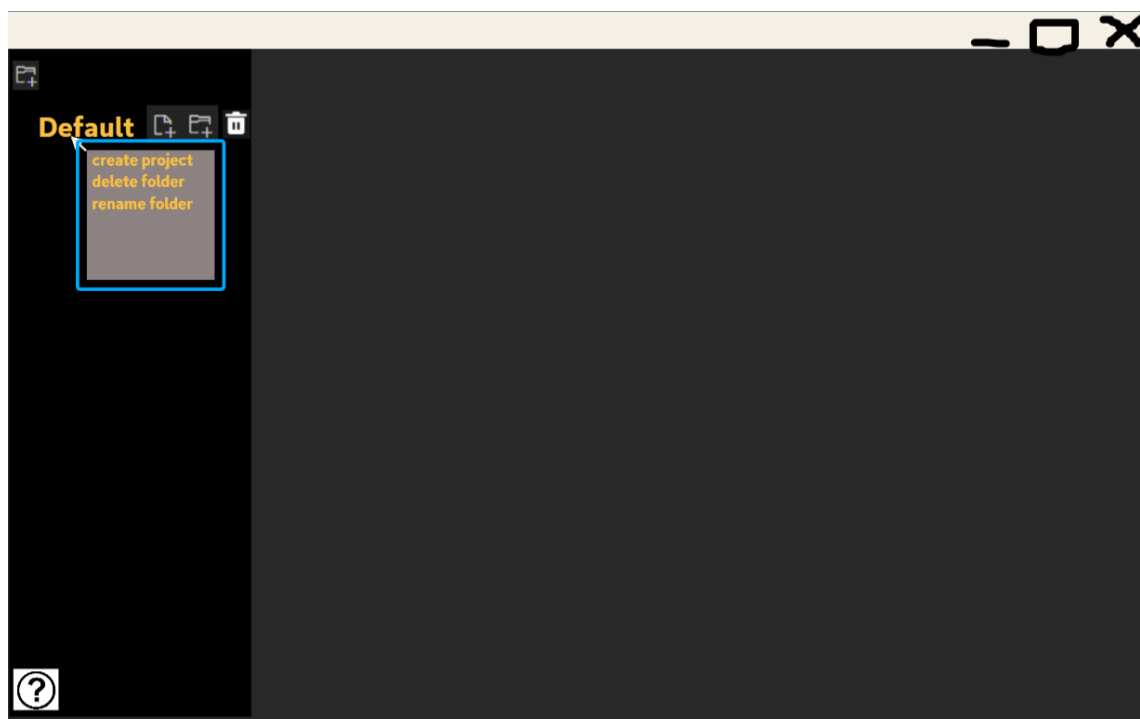
Right-clicking on a folder will bring up further options
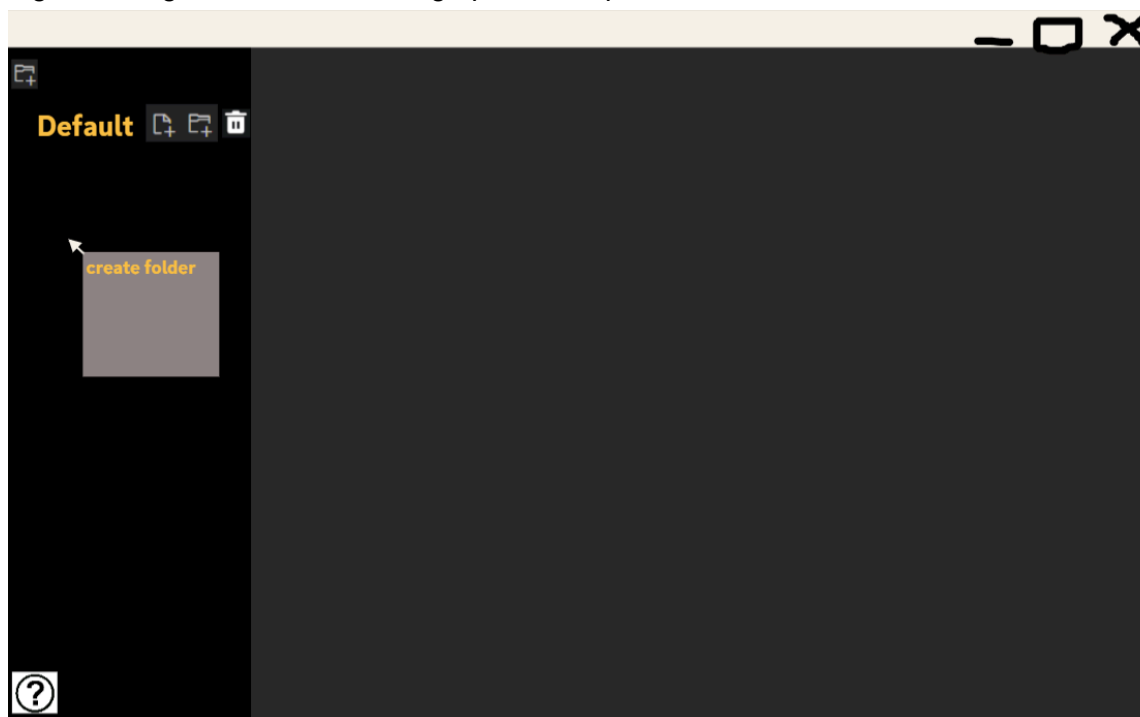
Right-clicking on the side panel will bring up another way to make a folder.
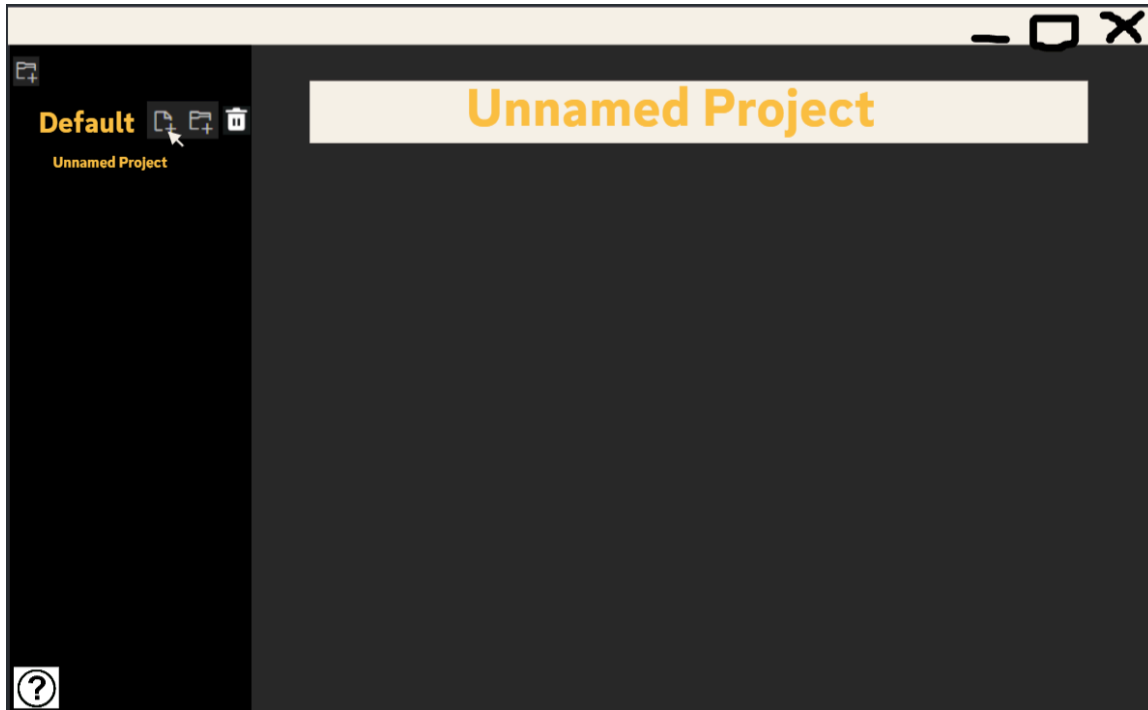
Clicking on the new project button will create a new project file.
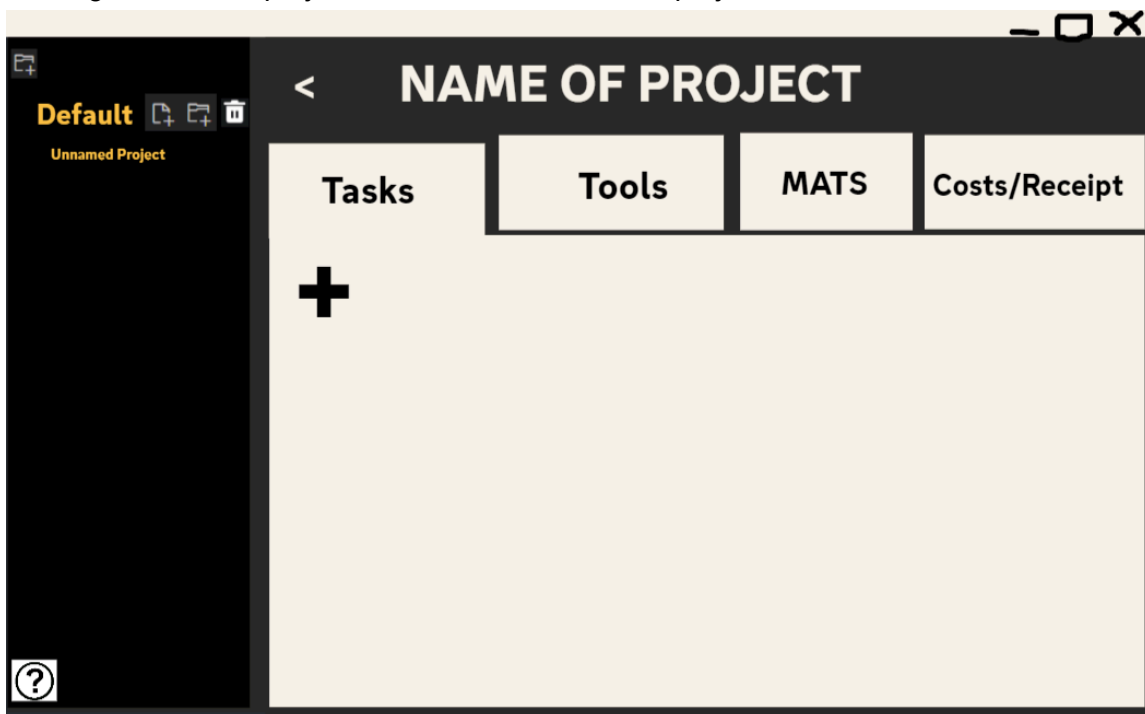
Entering the new project will display a workspace - tabs for organizing and inserting text.
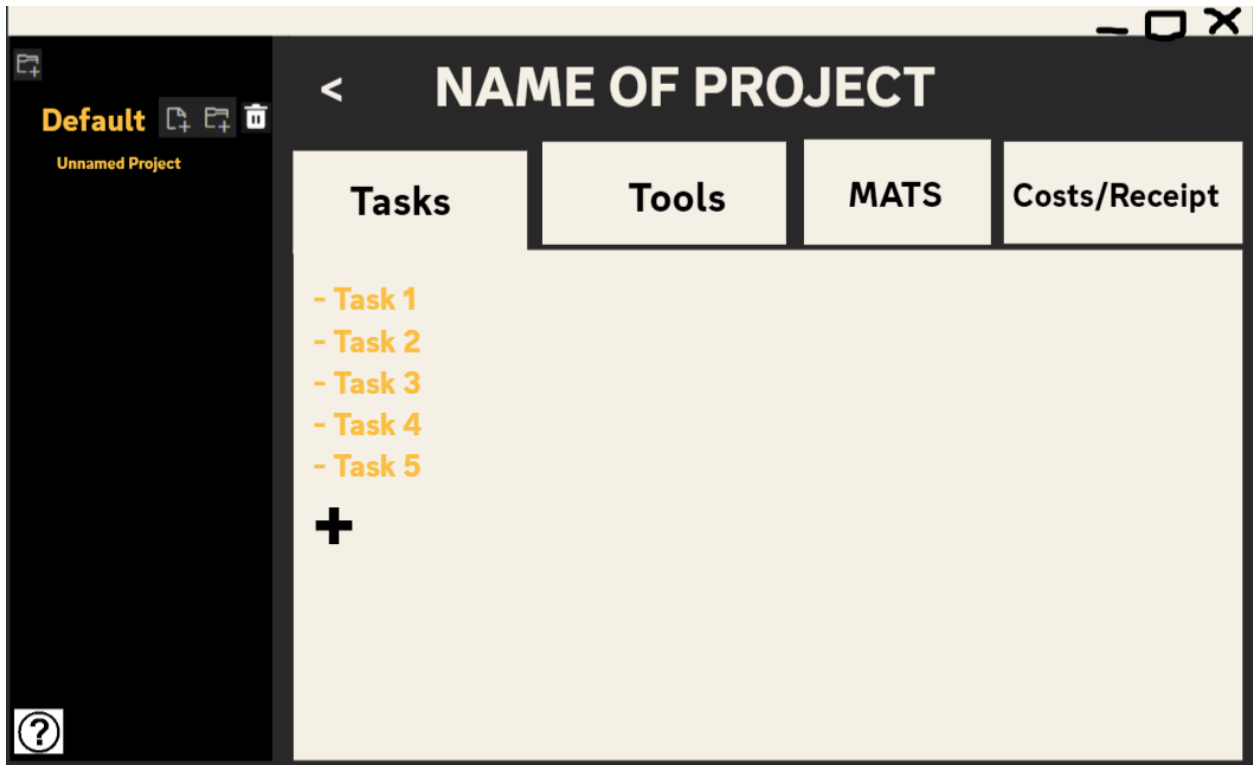
Users can add a list of tasks they want to do. They can click on other tabs to view more.
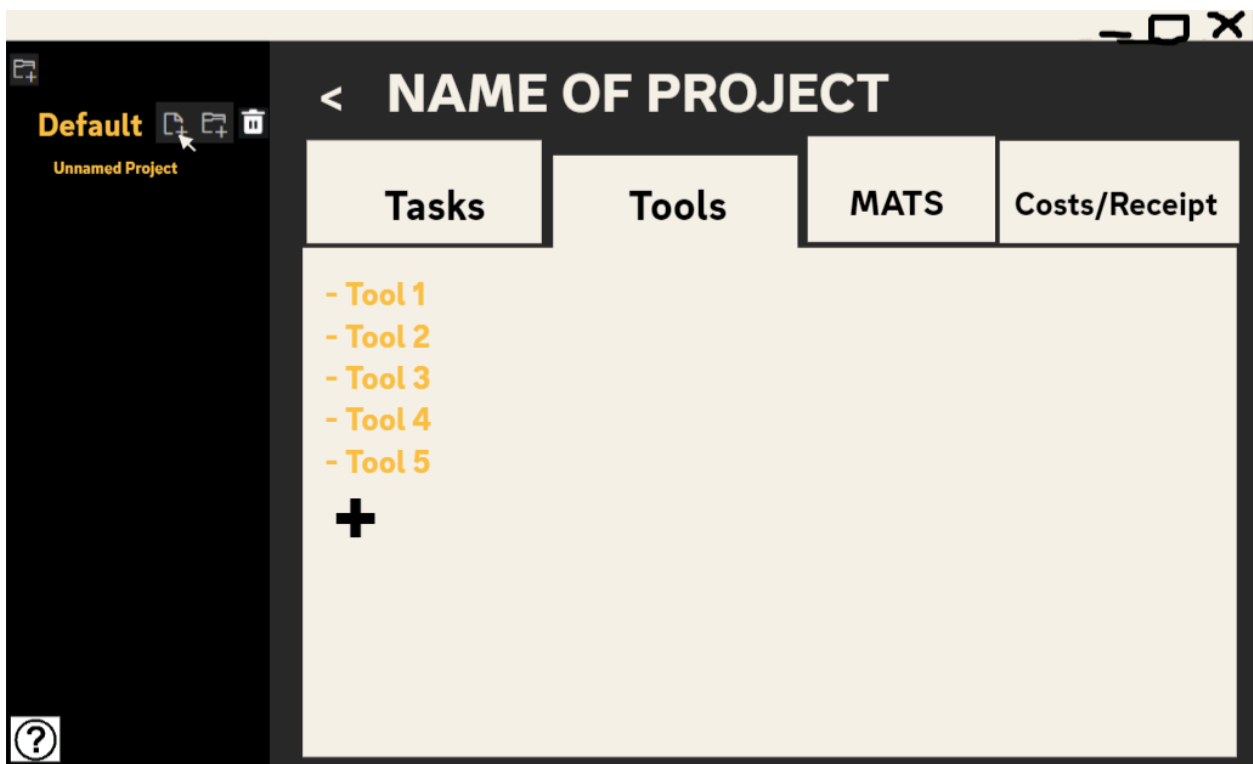
Users can add a list of tools they need.

Users can add any amount of materials they need.

The Receipt tab will display all tools and materials previously inputted, the User will decide the budget and costs of each object.

The calculations are automatic when the user inputs the costs of each Tool or Material and the budget, if any.

Clicking on the bottom left help icon will display a help panel.

Requirements Specification

- Create individual projects.
- Have a main menu.
- Create folders that can contain projects or other folders.
- Help menu that specifies how to use the app.
- Be able to delete folders and projects.
- Have each project its own workspace.
- Each workspace is divided by tabs.
- Be able to rename tabs.
- Have some amount of general tabs for certain uses.
- Be able to close windows
- Be able to quit the app from the main menu.