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Table of Contents

| | |
|---------------------------|---------------|
| 1. Summary | Page 3 |
| 2. User Stories | Page 4 |
| 3. Paper Prototype | Page 6 |

[Summary]

The goal of our project is to create an easy to use, efficient program for users to upload and view custom DIY projects. Our intended audience is anyone interested in making a DIY project, no matter the background: amateur, professional, etc.. For example, consider these scenarios:

- A user wishes to share their custom computer desk with other users.
- A user wishes to browse for a non-specific project for their front yard.

Our project allows all users to both browse all submitted DIY projects based on whatever category they want to see, but also search for a specific type of project (for example, “I want to build a desk”).

Our project will use a form of persistent storage so that no user information or project information is lost. Users will also be able to create accounts and see projects they have submitted.

We hope this project will be useful to anyone who wishes to experiment or view DIY projects.

[User Story]

Top Priority

US01 - As a DIYer, I want to select from a variety of DIY projects, so that I am able to easily find what I want to make.

US02 - As a DIYer, I want to be able to upload my DIY project, so that I can share with the rest of the community what I've been working on and inform them of my process.

US03 - As a DIYer, I want to be able to get an estimate on my small DIY projects so that i can know if the project is within my budget.

US04 - As an Admin, I want my data in a database, so that it is easier to manage all the data on the server.

US05 - As a DIYer, I want to be able to gauge the difficulty of my DIY projects so that i can determine if the project is doable with my level of expertise.

Secondary

US06 - As a User, I want to be able to backup my data, besides the Cloud, so that I don't lose my work.

US07 - As a DIYer, I want a suggestion for better alternative products so that I can further my savings and/or build a better project.

US08 - As a Product seller, I want to be able to list my products on the app so that it can get exposure, provide details about my products.

US09 - As a DIYer, I want to be able to make simple choices about my projects so that I can save energy for my home.

US10 - As a DIYer, I want to be able to measure and monitor my energy consumption so that I can 7As a DIYer, I want a product that will help me save money on my projects.

US11 - As a User, I would like to be able to upload a picture of my electric meter so that my next bill can be estimated.

US12 - As a Business Owner I would like a website where users can type in data and get a detailed analysis.

US13 - As an Admin, I want to be able to list new products as options for DIY products so that the Users may get suggestions for their projects.

US14 - As a User I would like a simple program that can export my data, so that I can take my data to another device without relying on the cloud for data management.

US15 - As the Provider of the tool I would like a way to eventually provide updates for my users, so that I can continue to improve on the program after the initial release.

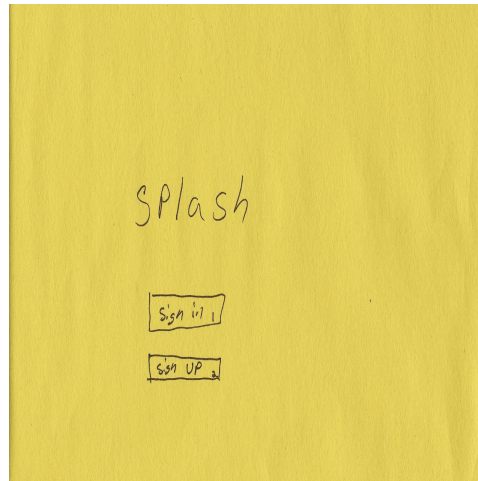
US16 - As a User, I want to be able to use this application offline so that I can use it at work sites.

Business Rule

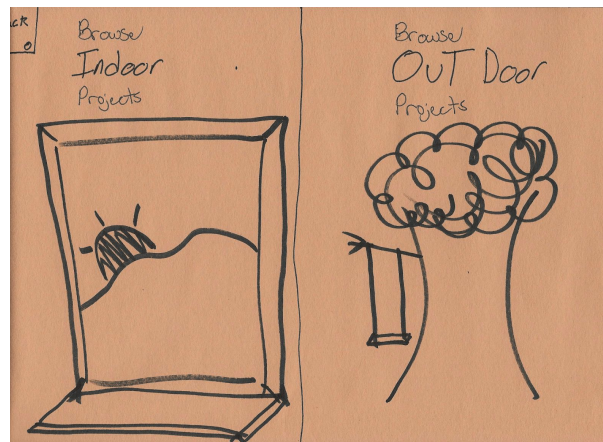
BR01 - There will be no cloud storage of user data.

BR02 - Program will utilize a database

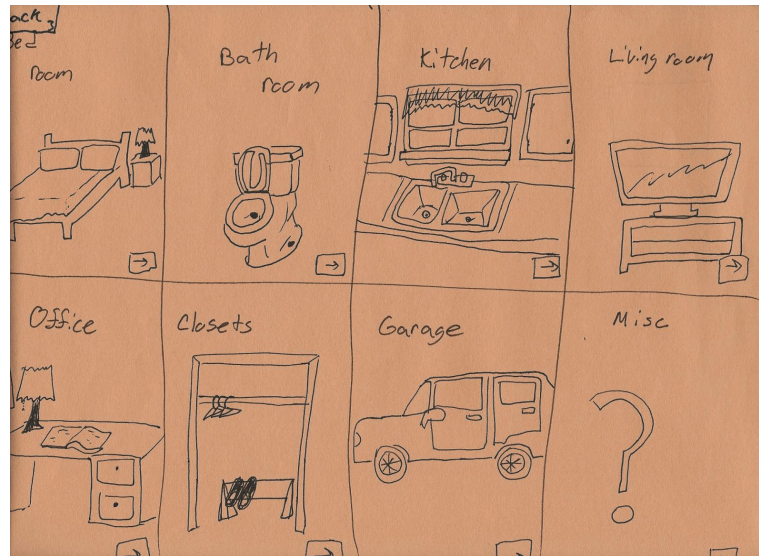
[paper prototype]



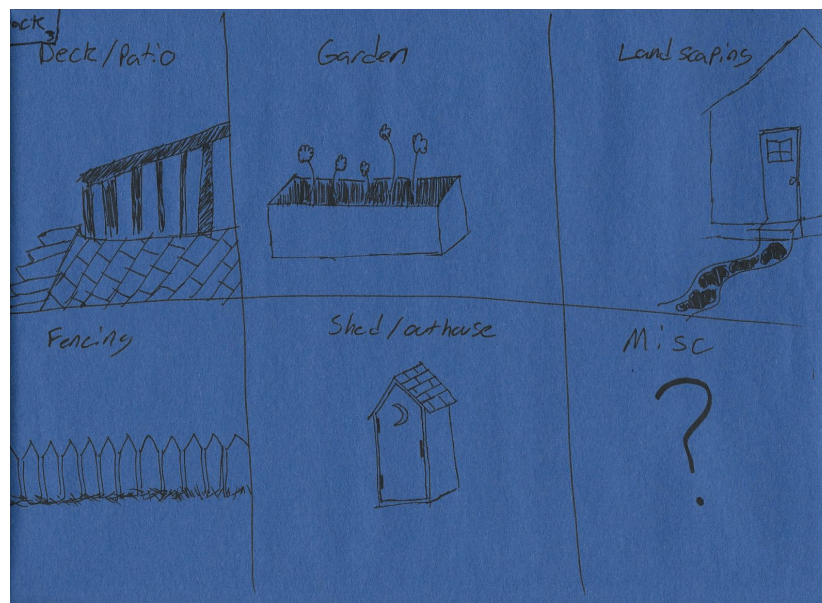
The splash screen of the application, this lets the user know what application they have started.



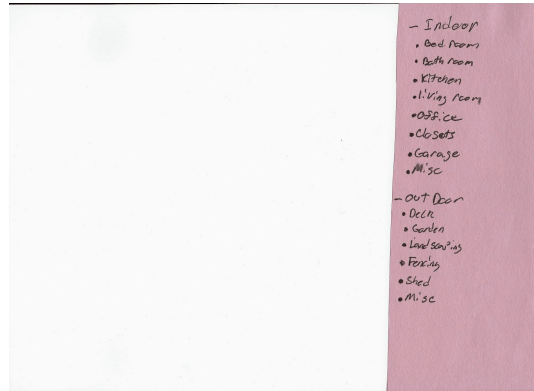
The user has the option to select either indoor projects or outdoor projects. If the user already knows what category they want to view then they have the option to use the fast navigation panel which has popular categories listed.



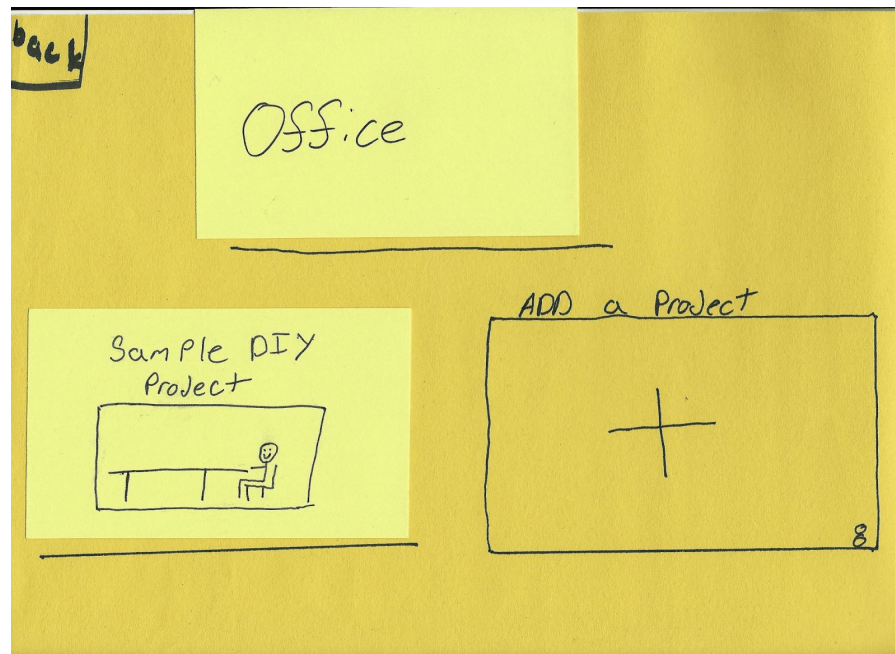
The user has the option to select a subcategory of indoor projects. The user also can step backwards or use the navigation panel from this page.



The user has the option to select a subcategory of outdoor projects. The user also can step backwards or use the navigation panel from this page.



The fast navigation panel, this is so that the user can get to a category without having to go through submenus.



The Main project page will look the same for all types of projects. It will show what ever project fits the tags you selected.

Submit A Project!

Title

Materials/Tools

Difficulty

Cost

Direction

This will be the form the user fills out when they want to submit a project. The user will also select the image that will display on the project thumbnail on the main page

Desk Cool

Difficulty: ★★★★★

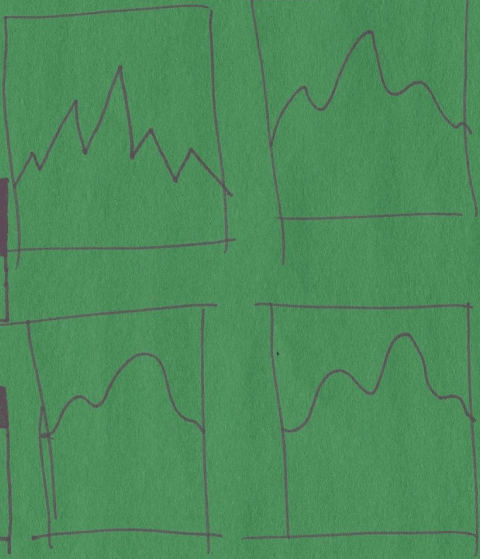
Estimated cost: \$150-

Materials and Tools:

- Circular or table saw
- 2' x 4' x 1" wood of your choosing
- 2.5' x 2" x 2" wood of choice
- ~80 screws

Directions:

- 1... wwww
- 2... wwww
- 3... wwww
- 4... wwww
- 5... wwww



This is what a sample project will look like for a user that wants to view a project.