



Creative Tech Brains

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Summary

Development Team

Role	Name	Participation
IT Sponsor/Tech Lead/Developer	DJ Green	Issue escalation, technical, team coordination, solution definition, project plan, communication, solution architecture, development, integration, testing, documentation
IT Sponsor/Tech Lead/Developer	Harman Singh	Issue escalation, technical, team coordination, solution definition, project plan, communication, solution architecture, development, integration, testing, documentation
IT Sponsor/Tech Lead/Developer	Zarif Mazumder	Issue escalation, technical, team coordination, solution definition, project plan, communication, solution architecture, development, integration, testing, documentation
IT Sponsor/Tech Lead/Developer	Vindhriko Chandran Cain	Issue escalation, technical, team coordination, solution definition, project plan, communication, solution architecture, development, integration, testing, documentation

Introduction to the Product Vision

In the dynamic world of project management, it's vital to maintain a clear overview of all facets of a project – from ideation to completion. The vision for our product, as informed by our esteemed client's requirements, is to create a comprehensive project organization tool that effortlessly bridges the gap between planning and execution. This tool aims to offer users a seamless way to catalog project information, budgets, progress, and actual costs, thereby fostering informed decision-making at every juncture of the project lifecycle.

User Personas

1. *The Project Planner:* This individual is often at the helm of initial project ideation. They are responsible for outlining preliminary plans, estimates, and budgets. With our tool, the Project Planner can swiftly input this data and adjust it as the project evolves, ensuring that the entire team is aligned with the project's financial trajectory.
2. *The Field Manager:* Engaged in the day-to-day activities of a project, the Field Manager actively monitors progress and makes purchases necessary for the project. Using our program, they can record each activity and purchase, enabling them to compare real-time costs with initial estimates and make requisite adjustments.
3. *The Decision Maker:* Often overseeing multiple projects, the Decision Maker is keen on understanding the broader financial implications of every project activity. With the insights provided by our tool, they can swiftly gauge if a project is veering off budget and make strategic decisions, be it scaling back or allocating additional funds.

Scenarios of Product Usage

1. *Scenario - Minor Remodel:* Jane, a Project Planner, is gearing up for a minor remodel of her living room. She aims to repaint the walls and update the light fixtures. After inputting her plans and budget into our program, she hands over the reins to Tom, the Field Manager. As Tom proceeds with the project, he journals each purchase – from paint cans to new fixtures. Halfway through the project, the tool alerts him that they're nearing their budget due to an unexpected expense on a premium light fixture. Leveraging the tool's insights, Jane and Tom decide to opt for a slightly less expensive wall paint to stay within budget.
2. *Scenario - Garden Landscaping:* Robert, a landscaping enthusiast, is embarking on a mission to transform his backyard into a vegetable garden paradise. He details his plans, estimates, and budget into the tool. As he procures seeds, fertilizers, and tools, he journals each expense. Upon realizing that he's overspending on certain seeds, the tool's insights guide him to cut back on decorative plants and reallocate funds to essential vegetable seeds, ensuring he achieves his dream garden without overshooting his budget.

In essence, our product's vision is to empower users with an intuitive tool that not only tracks project progress and expenses but also actively aids in making informed, strategic decisions, ensuring project success irrespective of its scale.

Requirements Definition / Functional Requirements

User Stories

1. As someone who loves to do projects myself, I want a way to organize the costs so that I can make a guided decision regarding expenses.
2. As someone who is a DIY enthusiast, I want a way to set up a project to organize plans.
3. As someone who loves to do projects myself, I want a way to journal the progress of my projects.
4. As someone who is a DIY enthusiast, I want to access and manage multiple projects.
5. As someone who loves to do projects myself, I want a way to organize project information.
6. As someone who loves to do projects myself, I want a way to organize estimates.
7. As someone who does my own networking, I want a way to view the information offline so that I can work on my home network while it is not running.
8. As someone who wants to maintain the projects, I want a way to search for manuals and documentation using keywords.
9. As someone who loves to do projects myself, I want a way to track the costs of the project.
10. As someone who wants to share project information, I want a way to export the documents.
11. As someone who maintains my own appliances, I want a reminder of when respective warranties end.
12. As someone who maintains my own appliances, I want a reminder of when the respective servicing is required.
13. As someone who shops for project materials, I want a way to view the info away from my computer so that I can look at the information at a hardware store.
14. As someone who is a DIY enthusiast, I want to get rid of old documentation when appliances are discarded.

Business Rules

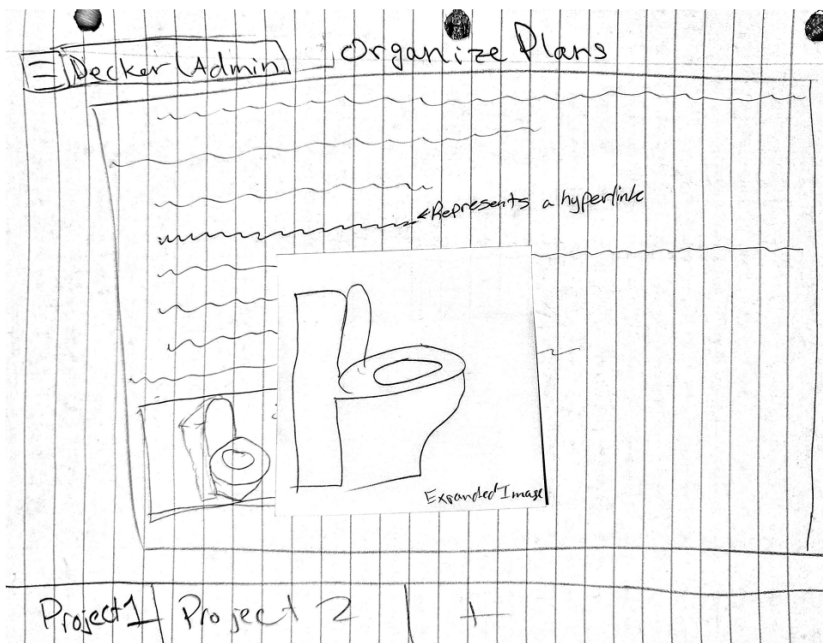
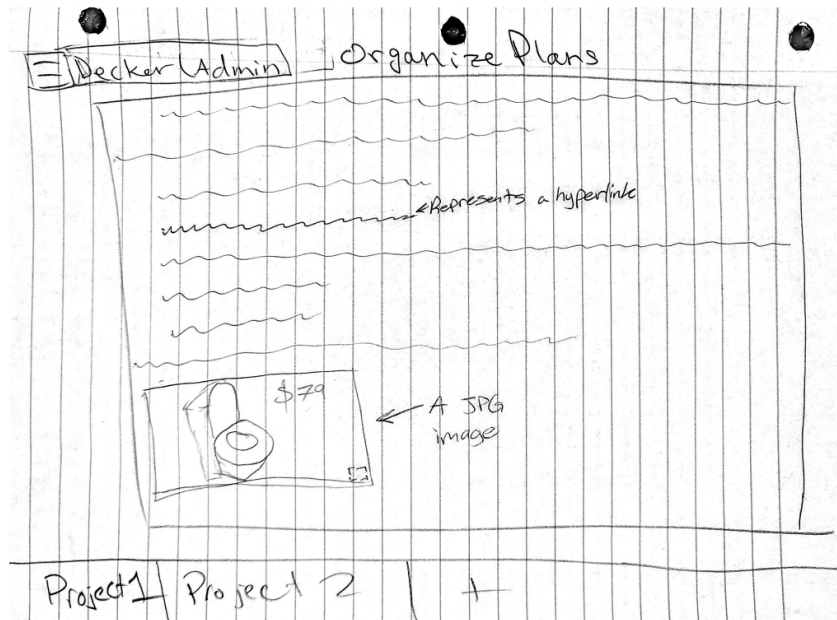
1. Able to use the application without connection to the internet.

Non-Functional Requirements

1. Protect information from accidental change or unauthorized deletion

Storyboard / Paper Prototypes

User Story 1: As someone who loves to do projects myself, I want a way to organize plans.



User Story 2: As someone who loves to do projects myself, I want a way to journal the progress of my projects.

A hand-drawn sketch of a project progress journal interface. At the top left is a hamburger menu icon followed by the text "Decker (Admin)". Below this is a table with four rows. The first three rows represent projects with their completion status and a progress indicator. The fourth row is a button to add a new project. The table is as follows:

Project	Progress	Status
Project 1	3/10 Completed	Progress bar (3/10 filled)
Project 2	Completed	Progress bar (10/10 filled)
Project 3	4/5 Completed	Progress bar (4/5 filled)
+ New Project		

A hand-drawn sketch of a project progress journal interface, similar to the one above but with an additional summary section. It includes a hamburger menu and "Decker (Admin)" text. The table below it lists three projects and a "New Project" button. To the right of the table is a "Summary" box containing a "Total" field with a dollar sign icon. Below the summary box is a "Hour" label and a grid of empty boxes for recording hours.

Project	Progress	Status
Project 1	3/10 Completed	Progress bar (3/10 filled)
Project 2	Completed	Progress bar (10/10 filled)
Project 3	4/5 Completed	Progress bar (4/5 filled)
+ New Project		

Summary

Total: \$

Hour

Journal the Project's Progress

Deck (Admin)

Project 1	3/10 Items Done	▼
Project 2	Completed	▼
Project 3	4/5 Items Done	▲
<input checked="" type="checkbox"/>		
<input checked="" type="checkbox"/>		
<input checked="" type="checkbox"/>		
<input checked="" type="checkbox"/>		
<input type="checkbox"/>		

Example of Completed Project

Expanded Checklist

Add New Project + New Project

User Story 3: As someone who loves to do projects myself, I want a way to organize the budget.

I want a way to organize the Budget

Deck (Admin)

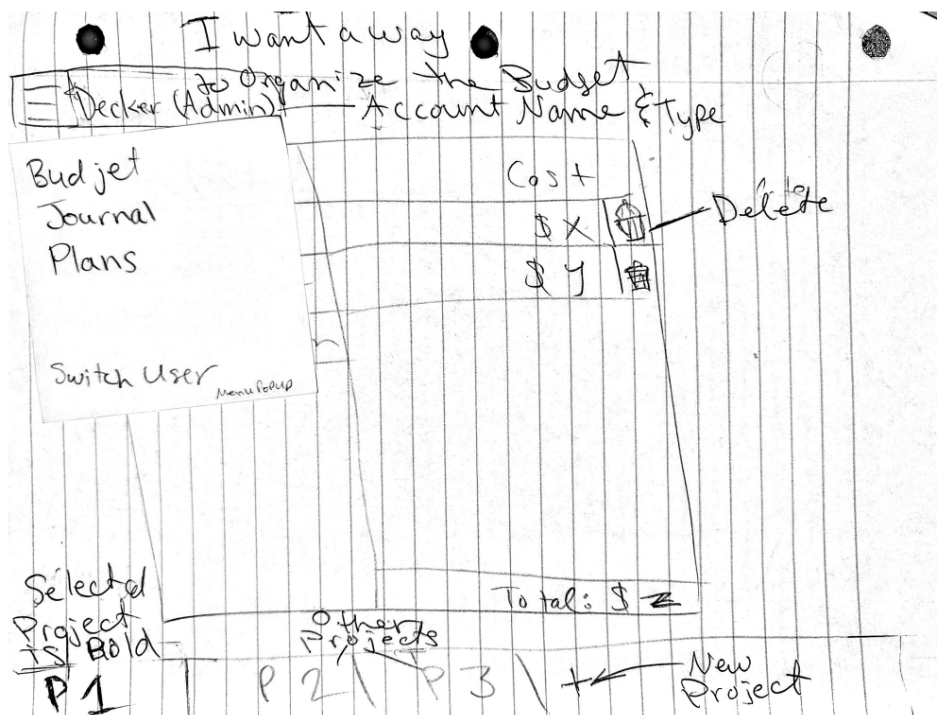
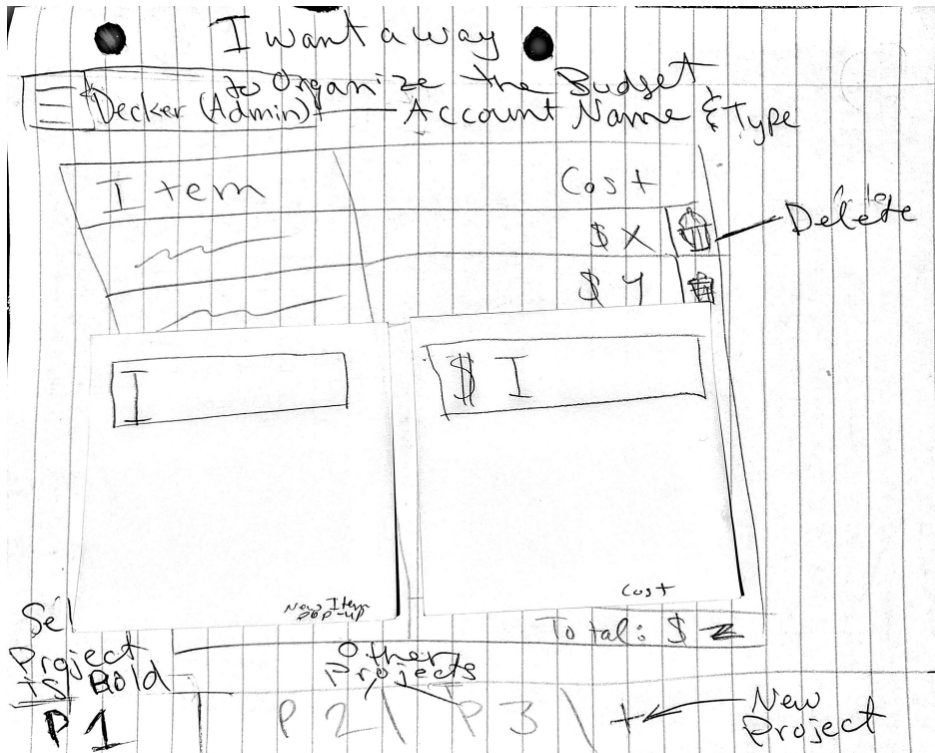
Item	Cost	Type
	\$X	Delete
	\$Y	
New Item		

Total: \$Z

Selected Project is Bold

Other Projects

P1 | P2 | P3 | + New Project



Requirements Specification / Technical Specification

There will be a page, similar to Microsoft Excel, where you can organize your project as well as tabs at the bottom of the page with different tabs with names of different projects that one may have at the moment. You can add a new project with a plus icon that will be to the right of the tab farthest to the right of the screen. This will be a page where you can upload documents, add links, write down information about your project or whatever pertains to it, and upload pictures, as well as enhancing the picture's image to make it appear bigger on screen.

The user's name will be in the top left displaying the status of the user (admin, or guest, etc.). To the left of the user's name will be a button that you can click on that gives a dropdown menu that gives the options; budget, journal, plans, and switch user. Budget will take you to the budget page of your project, journal to the journal page, and plans to the plans page, switch user will allow you to switch to a different admin, or switch to a guest, if you switch to an admin you will have give a name and password before you're admitted as an admin. If you choose guest then you will just switch instantly, but you won't have as many privileges as an admin has.

The user's name, as well as the button for the menu will be available on the same spot for every page.

The Journal page will show you a list of all your projects and thier names as well as a fraction describing how many items have been completed versus how many items there are total. At the bottom of all the named projects will be an option to add a new project. When you hover over a certain project it will give a summary of what the project has in it. Each project will have a drop down arrow next to it that when clicked will show a checklist of items that have either been completed (checked) or uncompleted (unchecked).

The budget page will have a list of items, showing, Item, and cost, in the form of a list. There will also be an option to delete an item by clicking a little garbage can symbol on the right hand side of any given item. At the bottom of the page will be a sum of all the items cost, giving the user a total cost of all the items.