Blueprint: A Framework for Collaborative Success

Requirements Specification & Technical Roadmap

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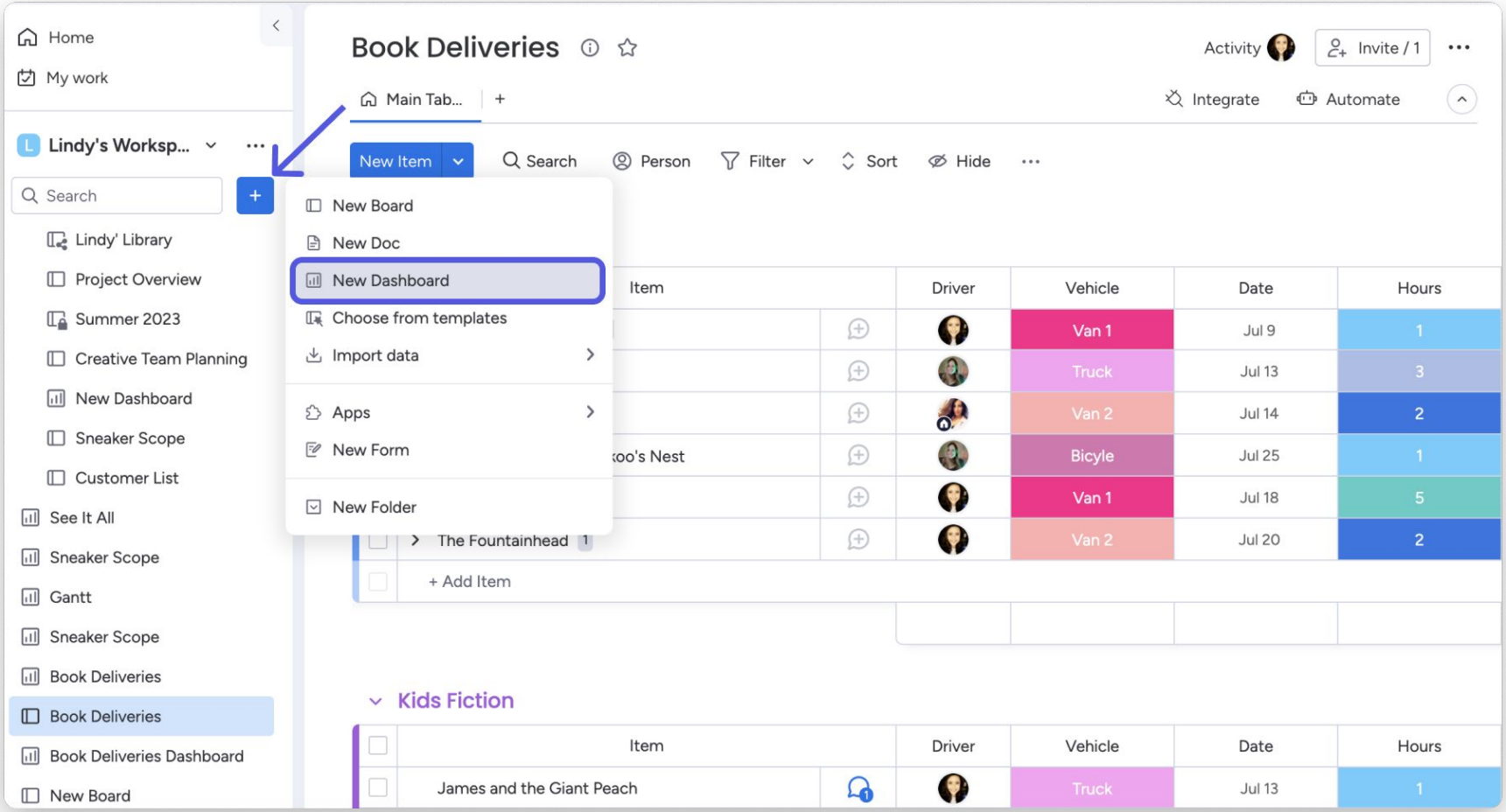
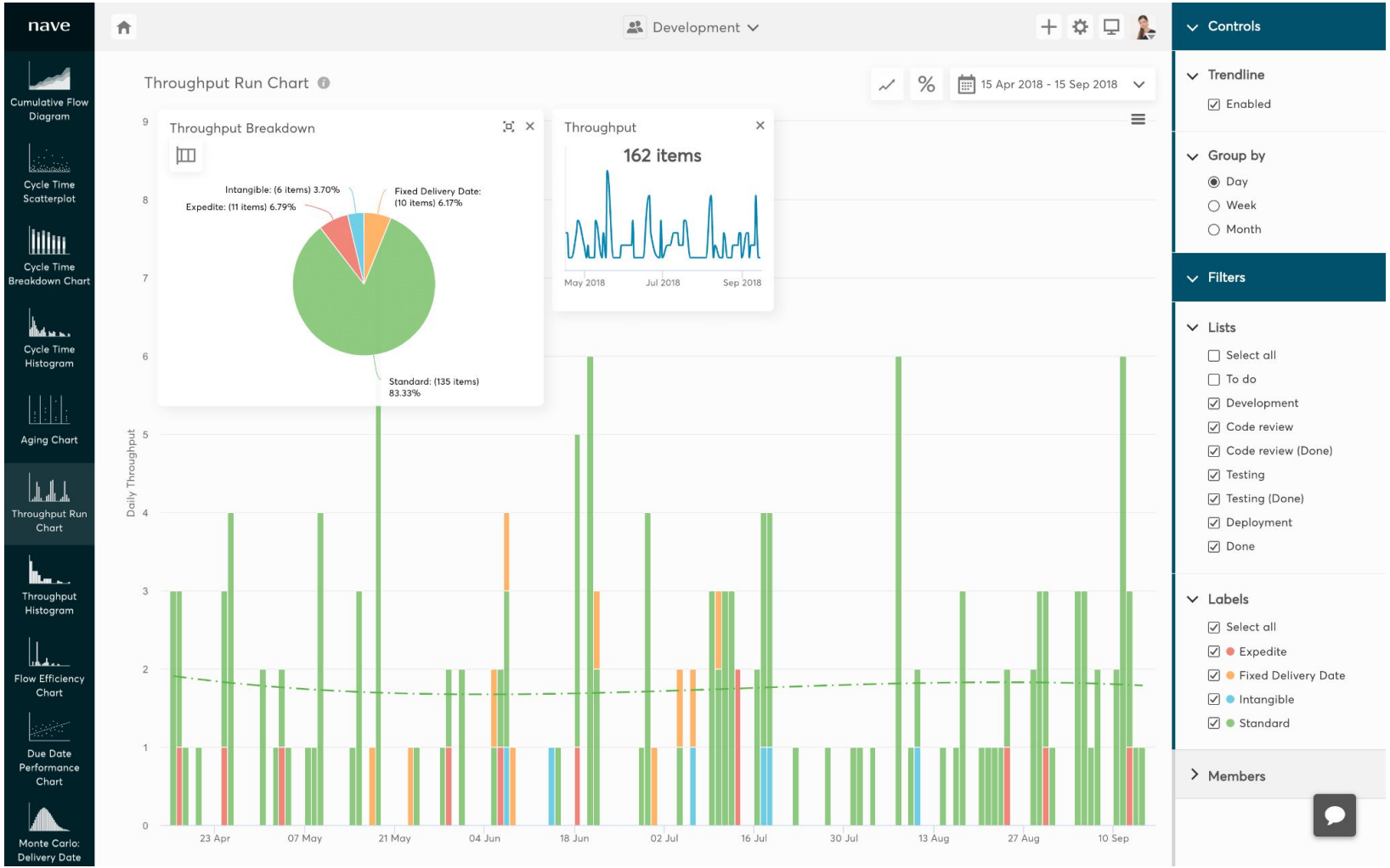

Home
My work
Lindy's Worksp...
Search
Lindy' Library
Project Overview
Summer 2023
Creative Team Planning
New Dashboard
Sneaker Scope
Customer List
See It All
Sneaker Scope
Gantt
Sneaker Scope
Book Deliveries
Book Deliveries
Book Deliveries Dashboard
New Board
Book Deliveries
Activity
Invite / 1
Main Tab...
Integrate
Automate
New Item
Search
Person
Filter
Sort
Hide
New Board
New Doc
New Dashboard
Choose from templates
Import data
Apps
New Form
New Folder
Item
Driver
Vehicle
Date
Hours
Van 1
Jul 9
1
Truck
Jul 13
3
Van 2
Jul 14
2
Bicyle
Jul 25
1
Van 1
Jul 18
5
The Fountainhead
1
Van 2
Jul 20
2
+ Add Item
Kids Fiction
Item
Driver
Vehicle
Date
Hours
James and the Giant Peach
Truck
Jul 13
1


nave
Development
Cumulative Flow Diagram
Cycle Time Scatterplot
Cycle Time Breakdown Chart
Cycle Time Histogram
Aging Chart
Throughput Run Chart
Throughput Histogram
Flow Efficiency Chart
Due Date Performance Chart
Monte Carlo: Delivery Date
Throughput Run Chart
15 Apr 2018 - 15 Sep 2018
Throughput Breakdown
Intangible: (6 items) 3.70%
Fixed Delivery Date: (10 items) 6.17%
Expedite: (11 items) 6.79%
Standard: (135 items) 83.33%
Throughput
162 items
May 2018
Jul 2018
Sep 2018
Daily Throughput
0
1
2
3
4
5
6
7
8
9
23 Apr
07 May
21 May
04 Jun
18 Jun
02 Jul
16 Jul
30 Jul
13 Aug
27 Aug
10 Sep
Controls
Trendline
Enabled
Group by
Day
Week
Month
Filters
Lists
Select all
To do
Development
Code review
Code review (Done)
Testing
Testing (Done)
Deployment
Done
Labels
Select all
Expedite
Fixed Delivery Date
Intangible
Standard
Members

ClickUp

Home
Notifications
Goals

Spaces

Everything
D Design
E Engineering
P Product

Dashboards
Docs

Project | Box | Board | Timeline | Doc | Whiteboard

Workload

Maria

12 Not done
1 Done
25%

READY (1)
IN PROGRESS (17)
REVIEW (8)

Brendan

23 Not done
6 Done
50%

TIME ESTIMATE
5d 15h Not done
6h Done
34H remaining

⚠ 19 tasks *without estimate*

READY (8)
IN PROGRESS (14)
REVIEW (14)

Amy

12 Not done
3 Done
50%

TIME ESTIMATE
1d 15h Not done
3h Done
12H remaining

⚠ 17 tasks *without estimate*

READY (8) TIME EST.
- User research - P... 2h
- Wireframe new... 0.5h
- Review & Appro... 2h

IN PROGRESS (2)
REVIEW (3)

Introduction

- The problem: group projects are typically hard to manage in a group setting and the tools out there are far too complicated to warrant using them in the first place.
- The solution: a simple project management web application that is free to use and compares everyone’s schedules to find the best time for them to meet and collaborate on group projects.
- The core philosophy: minimalist and student focused.
- Gamification elements to keep the users motivated and consistent with the project’s management

Overview

- Tools & Technologies
- Project Requirements
- Tentative Schedule

Tools & Technologies

React	Front end with a component-based, reactive U.I.
Supabase	Back end for a real time database and Google OAuth 2.0.
Vercel	Back end, hosting, and deployment of the website.
Figma	Design and rapid inspiration of the G.U.I.

Front End


React


render() {
return (
<React.Fragment>

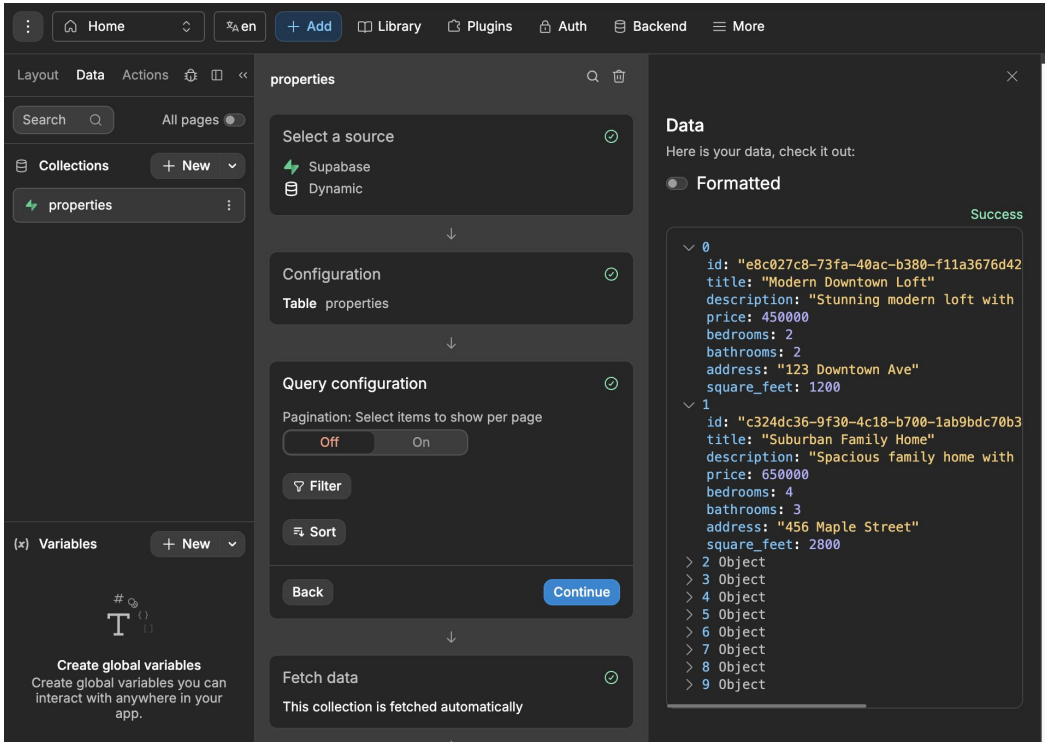
<Title name="our" title= "product

<ProductConsumer>
{(value) => {
console.log(value)
}}
</ProductConsumer>

</React.Fragment>

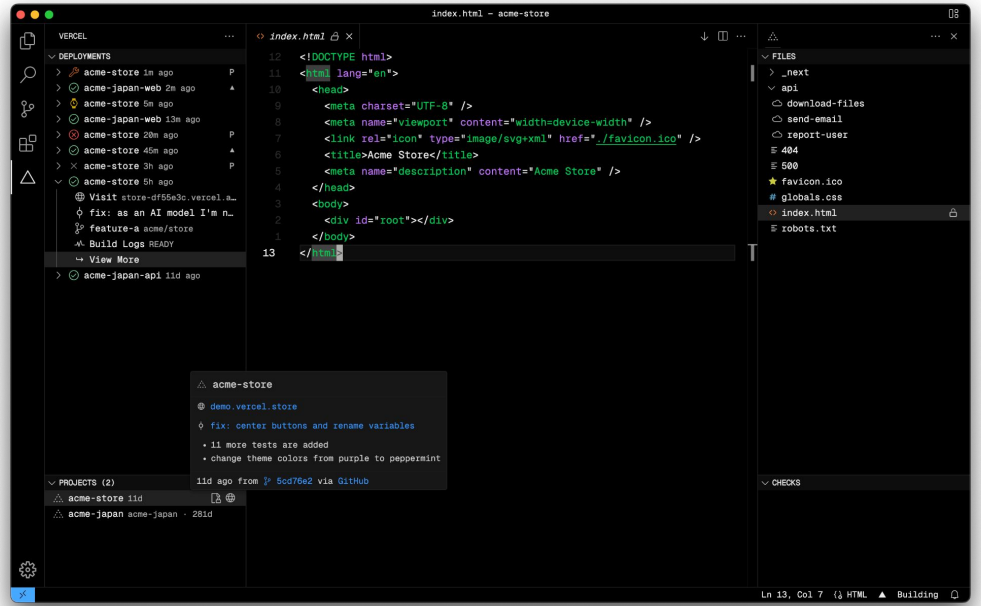
Back End

supabase



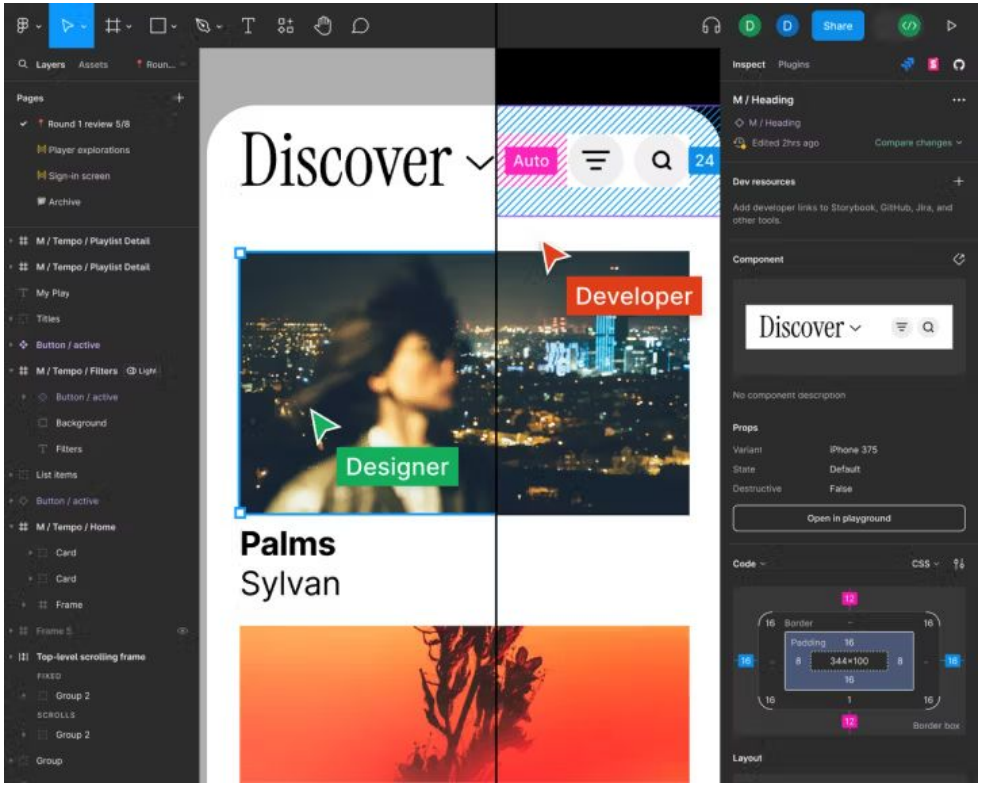
Server

Vercel



Additional Tools

Figma

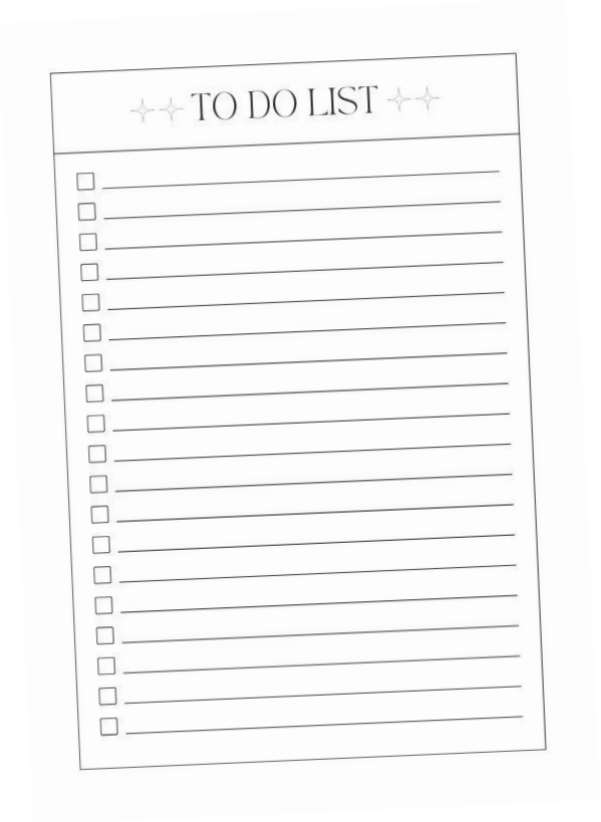


Project Requirements

- Task Management Component
- Calendar Component
- Notification System
- Design: examples and non examples
- Dashboard

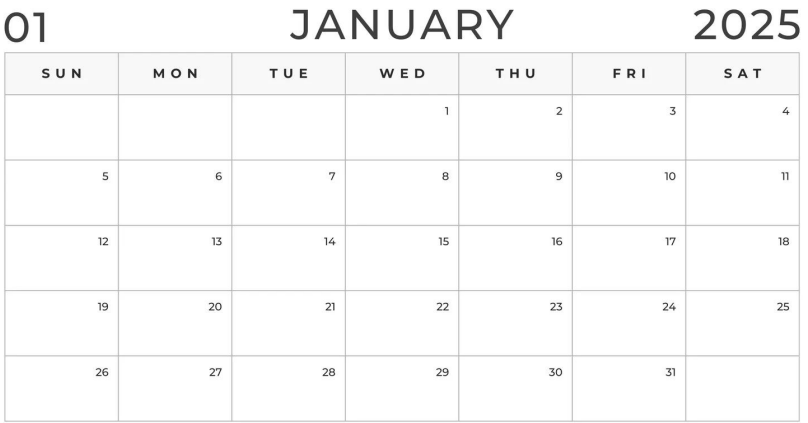
Task Management Component

- A dynamic task list: gives the user the ability to view the tasks, the members assigned to them, and their priority at a glance.
- Color-coded priorities: red for high, orange for medium, white for low, and green for completed tasks.
- Completion animation for when a task is finished.
- A “Past Tasks” view



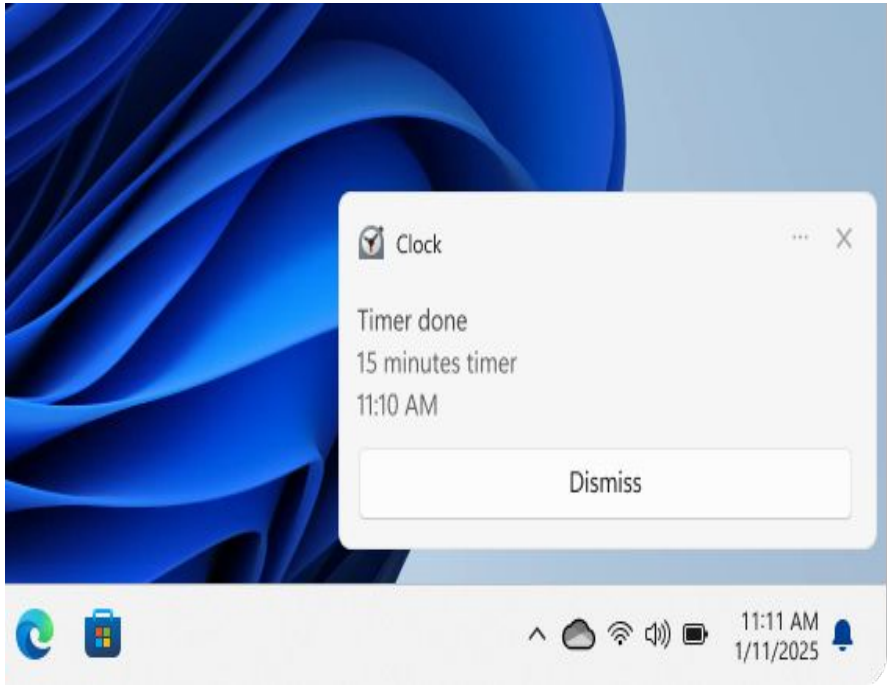
Calendar Component

- Monthly grid view
- Selection for other months will be above
- The current month will be the default one shown
- The tasks shown will have one of the four priorities (white, orange, red, or green)
- Clicking any day on the calendar will show all the tasks assigned to that day
- Tasks will be automatically be “Unassigned” until the users assigns a due date for that specific task



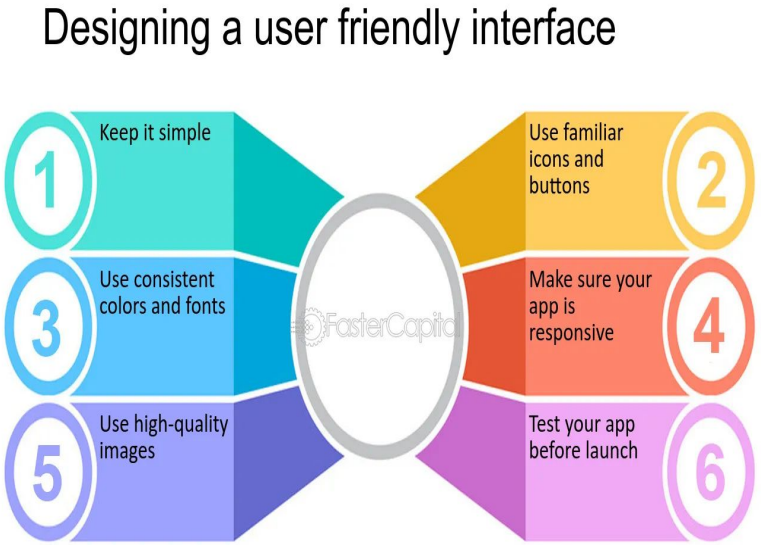
Notification System

- 24 hours before due dates
- Audible alert
- Title and Task
- Notify when the time is changed by Daylight Saving Time begin



Design

- Entertaining elements
- Replace the word task with quest
- Quest Rewards - 30 minute break, snack time, Play video games
- Encourage users to enter the work zone comfortably.



Mirha

Project

Hope project

- Dashboard
- Tracking
- projects
- work History

Tools

- Inbox
- Setting

ADD NEW TASK

JOE MAX
TEAM LEADER

Dashboard

13 March 2021

Search

13 March 2021

March 2021

Welcome To

Your Task Management Area

Lorem ipsum dolor sit amet consectetur. Bibendum risus urna tortor praesent.

Learn More

1220	07	43	1550
Total Task	InProgress	Pending	completed

March 2021

27	28	1	2	3	4
5	6	7	8	9	10
11	12	13	14	15	16
17	18	19	20	21	22
23	24	25	26	27	28
29	30	31	1	2	3

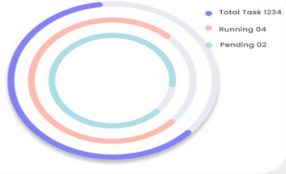
Total work

6 Month

Tasks

Weekly

Task Percentage



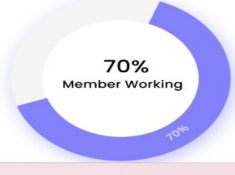
Work Progress

See All

Ongoing Project
Dashboard Design
90 % Complete
Start Date : 10 Jan
End Date : 29 Jan

Ongoing Project
App UI UX Design
30 % Complete
Start Date : 12 Jan
End Date : 25 Jan

Working Status



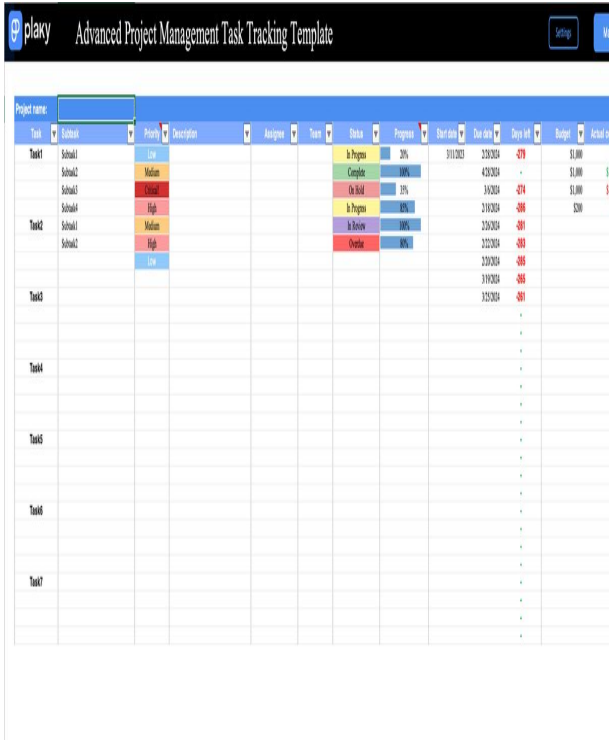
Upcoming

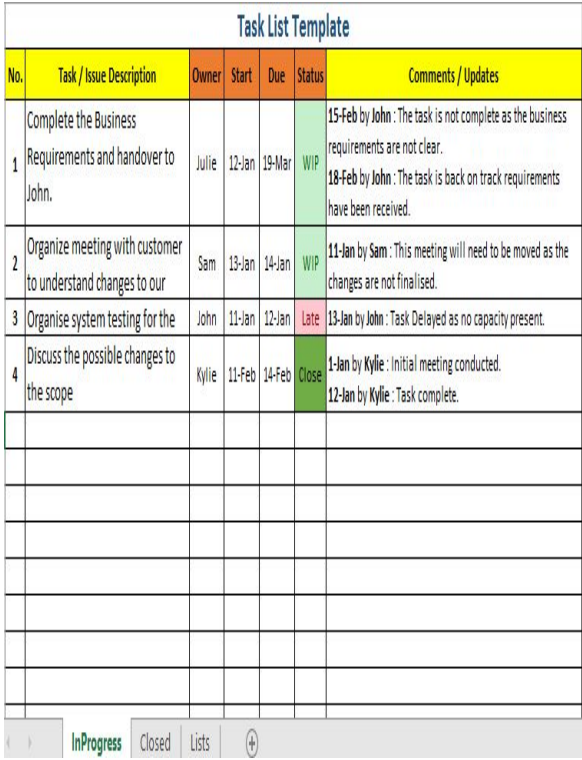
Wednesday, 13 March, 2021

10 Am | 11 Am | 12 Pm | 1 Pm

- Research — 03 People
- Landing Page Design — 03 People
- Dashboard Design — 03 People
- Design Theory — 03 People

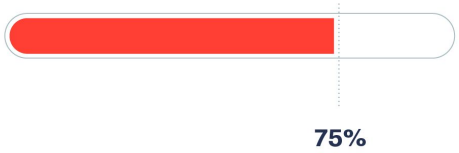
Unacceptable Design Examples





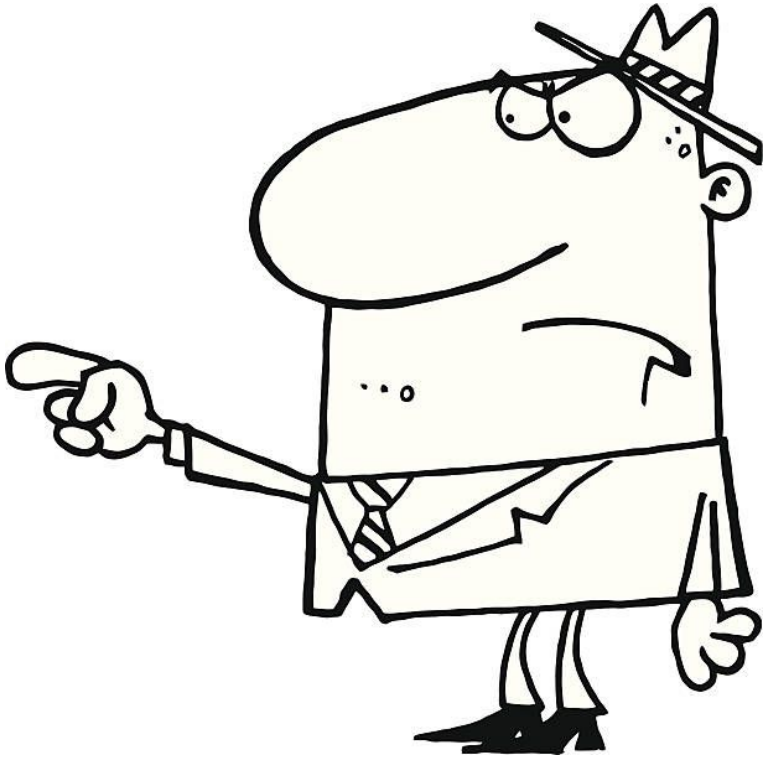
Dashboard

Google OAuth2



A completion bar to show the user’s progress.

Roles & Permissions



- Every user can be assigned a role from the creator (“Founder”) of that specific Blueprint
- These roles are Manager and User
- Managers will have full “Create, Read, Update, and Delete” privileges or (CRUD) for every tasks and members under the Blueprint
- Users can update their own assigned tasks and view the project’s overall status

Tentative Schedule

Week 1: Feb 9-15	Finalize requirements document, initialize GitHub, and setup Supabase and Vercel
Week 2: Feb 16-22	Begin the front end with React and configure the database with Supabase
Week 3: Feb 23-Mar 1	Implement Google OAuth and begin laying out the dashboard
Week 4: Mar 2-8	Create the task list, calendar components, and hooks for the database
Week 5: Mar 9-15	Implement the task list and calendar and begin making the logic for the completion bar
Week 6: Mar 16-22	Create and implement the notification system, implement roles, and test for bugs
Week 7: Mar 23-29	Conduct an overall assessment of the website and fine tune the website with “Past Tasks”
Weeks 8-12: March-May	Create and implement gamification and ChatGPT API call, if time permits

Conclusion

- Blueprint is the solution to group projects being hard to manage and there simply being too many project management tools out there that aren’t simple enough for an academic environment
- Blueprint will be simple and easy-to-use, catering specifically to students
- We will be using React, Supabase, Vercel, and Figma to do this
- If time permits, we will implement gamification affects and an API call to Chat GPT to make suggestions for the user

Questions?