



- Problem Statement ID – ID3
- Problem Statement Title-
- Team Name : Dreadful APIs



# Dreadful APIs

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# Solo Suite

## Proposed Solution:

A unified productivity platform for student entrepreneurs & solo creators. Includes invoicing, portfolio showcase, task-board, and smart planning. It also helps the solo creators to find new clients and helps the clients to find their perfect provider

## How we solve this problem?

- Eliminates need for multiple disjointed apps (e.g., Trello, Google Docs, Invoicing tools).
- Streamlines day-to-day operations in a single interface.
- Saves time and reduces stress through automation and intelligent scheduling.
- Enable providers to find more clients

## Innovation and uniqueness:

- AI Schedule Optimizer: Auto-generates & adjusts weekly plans and todo list.
- Smart Task Estimator: Predicts task time, flags urgency with color zones.
- Client Request Analyzer: Understands and categorizes incoming client needs.
- Productivity Insights: AI-based summaries & improvement suggestions.

# TECHNICAL APPROACH

## Frontend:

- React (with TypeScript)
- Next.js (App Router, Client & Server Components)
- Tailwind CSS (for fast, responsive UI)
- ShadCN UI (for accessible and elegant components)

## Backend:

- Supabase (Auth, DB, API, File Storage)
- PostgreSQL (relational database via Supabase)

## AI Features:

- Gemini APIs (Text analysis and generating tasks and todos)



# FEASIBILITY AND VIABILITY

## Feasibility of the Idea

- Built using proven, accessible tech stack (React, Next.js, Supabase)
- Lightweight AI features — feasible within short dev timeline
- Clear use case: solo creators & students increasingly rely on digital tools

## Potential Challenges & Risks

- Balancing simplicity vs. feature richness in MVP
- Time constraints for full AI integration in 5 days
- User adoption — getting real users to try and trust the toolkit
- Managing state and role-based UI for two user types (client & provider)

## Strategies to Overcome Challenges

- Prioritize core features first (taskboard, login, requests, dashboard)
- Use mock data/test users for early feedback
- Implement role-based access control early using Supabase Auth
- Keep UI intuitive with Tailwind + ShadCN, reducing user

# Impact and Benefits

## Potential Impact on Target Audience

- Empowers student entrepreneurs & solo creators to manage work independently
- Reduces time wasted juggling multiple tools by offering an all-in-one solution
- Improves client communication and project tracking efficiency
- Boosts personal productivity through AI-assisted scheduling and insights

## Benefits of the Solution

- Social:
  - Encourages digital self-employment & micro-entrepreneurship
  - Fosters better work-life balance through smart planning
- Economic:
  - Reduces reliance on paid SaaS tools (invoicing, CRMs, schedulers)
  - Saves time, increasing billable hours and output
- Environmental:
  - Fully digital, reducing the need for paper-based management
  - Encourages remote-first operations, minimizing commuting footprint