

Task Document

Role: AI Vibe Coder (Founding Engineer) at ADmyBRAND

Focus: Rapid development using AI tools + Beautiful, modern UI design

Choose ONE Task (A or B)

Task A: AI-Powered Analytics Dashboard

Overview

Build a modern, visually stunning analytics dashboard for "ADmyBRAND Insights" - a fictional analytics platform for digital marketing agencies.

Core Requirements



Dashboard Features

- Overview Page with key metrics cards (Revenue, Users, Conversions, Growth %)
- Interactive Charts - minimum 3 types (line chart, bar chart, pie/donut chart)
- Data Table with sorting, filtering, and pagination
- Responsive Design - looks perfect on desktop, tablet, and mobile



UI/UX Requirements (HEAVILY WEIGHTED)

- Modern Design System - consistent colors, typography, spacing
- Beautiful Visual Hierarchy - clear information architecture
- Smooth Animations - micro-interactions, hover effects, loading states
- Dark/Light Mode Toggle (bonus points)



Technical Implementation

- React/Next.js (preferably Next.js 14+ with App Router)
- Modern UI Library - Use shadcn/ui, MUI, Chakra UI, or similar
- Mock Data Integration - Create realistic sample data or use a public API
- Component Architecture - Build reusable components (Card, Chart, Table, etc.)

Bonus Features

- Real-time Updates (simulate with intervals)

- Export Functionality (PDF/CSV)
- Advanced Filters with date ranges
- Beautiful Loading Skeletons

Task B: Modern SaaS Landing Page & Component System

Overview

Create a stunning landing page for "ADmyBRAND AI Suite" - our fictional AI-powered marketing tool, plus a reusable component library.

Core Requirements

🌟 Landing Page Sections

- Hero Section - Compelling headline, subtext, CTA, hero image/video
- Features Section - 6+ features with icons and descriptions
- Pricing Cards - 3 tiers with feature comparisons
- Testimonials Carousel - Customer reviews with photos
- FAQ Section - Collapsible questions
- Footer - Links, social media, contact info

🎨 UI/UX Requirements (HEAVILY WEIGHTED)

- 2025 Design Trends - Implement glassmorphism, subtle animations, modern typography
- Stunning Visual Design - Professional, premium feel that converts
- Perfect Typography - Clear hierarchy, readable fonts
- Smooth Scrolling Animations - Elements animate in on scroll
- Mobile-First Responsive - Flawless on all devices

⚡ Technical Implementation

- Next.js 14+ with App Router and TypeScript
- Component Library - Build 8+ reusable components (Button, Card, Modal, etc.)
- Modern Styling - Tailwind CSS or styled-components
- Form Handling - Contact form with validation
- Performance Optimized - Fast loading, image optimization

Bonus Features

- Interactive Pricing Calculator

- Demo Video/Animation
- Blog/Resources Section
- Advanced Animations (Framer Motion/GSAP)

AI Tools & Resources

Recommended AI Assistants

- GitHub Copilot - Code completion and generation
- v0.dev - UI component generation
- ChatGPT/Claude - Architecture planning and debugging
- Bolt.new - Full-stack app generation
- Cursor IDE - AI-powered development environment

UI Inspiration Sources

- Dribbble/Behance - Modern dashboard and SaaS designs
- UI Libraries - shadcn/ui, MUI, Chakra UI documentation
- Design Systems - Study modern SaaS companies' design patterns

Submission Checklist

Required Deliverables

- GitHub Repository - Clean, documented codebase
- Live Demo - Deployed on Vercel/Netlify (Highly Preferred)
- README.md - Setup instructions and feature overview
- AI Usage Report - 200-300 words on your AI-assisted workflow

AI Usage Report Format

text

AI Tools Used

- Primary tools: [List main AI assistants]
- Key use cases: [How you used AI for different tasks]

Sample Prompts (2-3 examples)

1. "Create a responsive React dashboard component with..."
2. "Help me implement smooth scroll animations for..."

AI vs Manual Work Split

- AI-generated: [Percentage and what parts]
- Manual coding: [What you coded yourself]
- Customization: [How you adapted AI suggestions]

Evaluation Criteria

Criteria	Weight	What We Look For
Beautiful UI Design	40%	Modern aesthetics, visual hierarchy, consistency
AI Tool Usage	25%	Efficient use of AI assistants for rapid development
Code Quality	20%	Clean, reusable components, best practices
Functionality	10%	Features work smoothly, good UX

Documentation	5%	Clear README, code comments
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Pro Tips

Design Excellence

- Study modern SaaS websites - Notion, Linear, Vercel for inspiration
- Use consistent spacing - 8px grid system works well
- Color Psychology - Choose colors that convey trust and professionalism
- Typography Hierarchy - Clear distinction between headers, body, and captions

AI Optimization

- Be specific in prompts - Include context about React version, styling approach
- Iterate quickly - Use AI to generate multiple variations, then refine
- Combine tools - Use different AI assistants for different strengths
- Learn from outputs - Study AI-generated code to improve your own skills

Performance & Quality

- Optimize images - Use Next.js Image component
- Semantic HTML - Proper heading structure, ARIA labels
- Fast loading - Code splitting, lazy loading
- Cross-browser testing - Ensure compatibility



Timeline

Day 1: Planning, AI research, and setup

Day 2: Core development with heavy AI assistance

Day 3: UI polish, deployment, and documentation

Remember: Quality over quantity - we prefer a beautifully executed project over rushing through all features. Make it something you'd proudly show in your portfolio!

Questions? **Email ceo@admybrand.com**

Good luck! We're excited to see how you leverage AI to create something amazing! 🚀