Project Flow

Your work, your well-being, in sync.

This document outlines the product requirements for "Project FLOW"

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➡ **Flow Web App Link:** https://armanmahmud1.github.io/Flow-App/

➡ **Team Name: Team_Flow_BD**

➡ **Team Member: Arman Mahmud (armanmahmud.du18@gmail.com)**

➡ **Address: Mirpur-12, Dhaka, Bangladesh**

1. Introduction & Problem Statement

Knowledge workers today face a significant challenge: balancing high-demand productivity with personal well-being. Existing solutions are fragmented. Productivity tools, such as Asana or Trello, are hyper-focused on efficiency and task completion, often leading to burnout. Conversely, mindfulness and wellness apps, like Calm or Headspace, provide relaxation but are disconnected from the user's daily work context, making it difficult to seamlessly integrate well-being practices into a busy workday. The result is a cycle of distraction, stress, and dissatisfaction.

Project Flow aims to bridge this gap by creating a unified web application that helps users achieve their professional goals while actively supporting their mental health. It will not be two apps glued together, but a single, integrated experience where productivity and mindfulness are two sides of the same coin.

2. Target Audience

The primary target user is the Modern Knowledge Worker.

- Demographics: Ages 25-50, professionals working in creative, tech, or corporate environments.
- Behaviors: Often work remotely or in hybrid models; use multiple digital tools throughout the day; feel a constant pressure to be on and productive.
- Pain Points:
    - Feeling overwhelmed by a long to-do list.
    - Struggling to maintain focus and avoid distractions.
    - Experiencing burnout or mental fatigue.
    - Finding it difficult to build consistent habits for self-care.
- Goals:
    - Increase daily focus and output.
    - Reduce stress and prevent burnout.
    - Feel more in control of their work and well-being.
    - Create a healthier, more sustainable work-life rhythm.

3. Key Features & Functionality

3.1 Core Functionality

The application features a thoughtfully designed single-page interface that serves as a centralized hub for both productivity and well-being. At the top, the app prominently displays its name alongside a concise statement of its core mission, reinforcing the values

and intentions that guide the user experience. Just beneath this, the current date and time are shown in real-time, including GMT offset, offering users a clear temporal context for their daily planning and global coordination.

The layout includes an intuitive Metrics Dashboard button, granting quick access to performance insights and personal analytics. A dynamic summary of the user's current focus status is presented, followed by an interactive focus session module that helps structure deep work intervals. Integrated seamlessly into the page is the AI Wellness Coach, offering personalized guidance, focus rituals, and nudges. Adjacent to this is a streamlined task list for managing daily responsibilities, complemented by a habit tracker that encourages consistency in personal routines. To uplift and inspire, the interface also features a rotating selection of motivational quotes, carefully curated to align with the user's journey toward balance and achievement.

3.2 User Flow: Starting a Focus Session

- Flexible Focus Sessions: Users can start a focus session and have the freedom to stop it at any time.
- End Session Confirmation: A warning prompt always appears before ending a session to prevent accidental interruptions.
- AI Wellness Coach Integration
    - Displays a messages when a session begins.
    - Offers a "Get Suggestion" button to receive AI-generated focus rituals and productivity nudges.
- Daily Summary Dashboard
    - Shows total time spent in focus sessions.
    - Displays the number of sessions completed.
    - Includes a detailed history of all sessions from the current day.

3.3 Mindfulness Integration

- Guided Micro-Breaks: When a comparatively long focus session ends, the app automatically suggests and guides the user through a quick 2-3 minute mindfulness activity. Options include:
    - Breathing Exercises: Box breathing, 4-7-8 method.
    - Stretching: Simple desk-friendly stretches.
    - Reflection Prompts: Short, thought-provoking questions to reset the mind.
- Habit Tracking: Users can effortlessly create and track personalized daily habits; such as "drink water" or "walk for 10 minutes" within the app's intuitive interface. These habits are seamlessly integrated into the flow of the workday, designed to enhance well-being without interrupting productivity. To encourage consistency and mindful engagement, the app sends gentle, timely notifications throughout the day, reminding users to complete their chosen habits.

- **Habit Management:** In addition to tracking progress, users have full control over their habit list. They can easily add new habits that align with their personal goals or remove existing ones as their routines evolve. This flexibility ensures the habit tracker remains relevant, adaptive, and supportive of each user's unique lifestyle.

3.4 Task Management & AI Personalization

- **AI Task Breakdown:** After adding a task, an AI-powered button becomes available, allowing users to instantly generate a breakdown of the task into clear, manageable steps. With a single click, all of these AI-suggested subtasks can be seamlessly added to the user's task list, streamlining planning and making complex goals easier to tackle.
- **AI Wellness coach:** Before initiating a focus session, users can click the "Get Suggestion" button within the AI Wellness Coach section to receive personalized, AI-generated guidance tailored to enhance their concentration. Once the focus timer is active, the AI continuously monitors the entire dashboard and analyzes the user's focus history, offering timely suggestions designed to promote both mental alertness and physical well-being throughout the session.
- **Motivational Quotes:** At the bottom of the Flow app interface, users are greeted with a rotating selection of motivational quotes sourced from a diverse range of renowned figures. These quotes are designed to inspire focus, resilience, and positivity throughout the day. The content updates automatically after completion of each focus session, ensuring a fresh stream of encouragement that aligns with the app's mission to support both productivity and well-being.

3.5 Metrics Dashboard

At the top section of the Flow app interface, a dedicated button labeled "Metrics Dashboard" provides users with quick access to a comprehensive overview of their productivity performance. This dashboard displays key metrics including the overall productivity score, total focus time goal, actual focus time utilized, number of daily habits assigned and completed, as well as tasks assigned and completed. The productivity score is intelligently calculated by analyzing all these data points, offering users a clear and holistic snapshot of their progress and engagement throughout the day.

3.6 Ask Gemini

Sometimes, accomplishing a task can be challenging or time-consuming, especially when you're unsure where to start or need quick insights. That's where AI can make a real difference. The "Ask Gemini" section is designed to provide intelligent assistance, answer questions, and guide users through complex steps with ease. Whether you're stuck on a

technical issue, need creative input, or just want a smarter way to get things done, Gemini is here to help.

4. Technical Specification

The Flow App is currently hosted on GitHub and accessible via its GitHub Pages [link](#), making it easy for users to explore and interact with the platform directly from their browsers. To power its AI-driven features, the app integrates the Gemini public API, enabling intelligent suggestions, focus rituals, and wellness insights that enhance the user experience. This setup combines open-source accessibility with cutting-edge AI functionality, offering a seamless blend of productivity and mindfulness tools.

5. Future Enhancements

Looking ahead, we are excited to unveil a robust roadmap of enhancements designed to elevate the Flow App experience to new heights. Key upcoming features include the integration of a mood tracking system, enabling users to monitor emotional patterns and receive personalized support. We are also planning to introducing Voice Notes with automatic transcription, allowing users to effortlessly capture and organize spontaneous thoughts or reflections.

To further enrich the user experience, the app will offer mood-based article recommendations, delivering curated content aligned with the user's emotional state and interests. Additionally, Progress Visualization Dashboards will provide intuitive insights into productivity trends, focus cycles, and goal achievement.

We are also exploring the inclusion of curated music suggestions tailored to various focus modes, helping users cultivate the ideal auditory environment for deep work, creative flow, or relaxation

6. Conclusion

Project Flow represents a transformative approach to digital productivity, redefining how modern knowledge workers engage with their tasks and care for their mental well-being. By seamlessly integrating focus tools, habit tracking, task management, and AI-driven wellness support into a unified interface, the app addresses the fragmented nature of existing solutions. It empowers users not only to accomplish more but to do so with greater clarity, balance, and resilience.

With its intuitive design, real-time metrics, and thoughtful use of the Gemini API for intelligent personalization, Flow stands as a forward-thinking platform tailored to the

realities of remote and hybrid work. It's not just a productivity tool, it's a companion for sustainable success, helping users build healthier routines, stay mentally sharp, and feel more in control of their day. As the boundaries between work and life continue to blur, Flow offers a much-needed anchor: a space where efficiency and mindfulness coexist.