

FocusFlow

App Concept: FocusFlow

Purpose:

FocusFlow is designed to help users stay productive and improve focus by combining task management, time tracking, and self-reflection into one powerful tool. The app integrates journaling for end-of-day reflection and provides insights into productivity patterns.

Folder Structure

Structure

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/FocusFlow
|
|— /assets                # Static resources
|   |— /images            # Icons, illustrations, and backgr
ounds
|   |— /audio             # Focus sounds, background music
|   |— /themes            # App themes (light, dark, minima
l)
|
|— /lib                   # Main application logic
|   |— main.dart          # App entry point
|   |— /models            # Data models
|       |— Task.dart      # Task details (title, descripti
on, due date, etc.)
|       |— JournalEntry.dart # Journal entry for reflection
|       |— Timer.dart     # Timer for Pomodoro or time trac
king
|       |— ProductivityStats.dart # Productivity trends and
analysis
|       |— Goal.dart      # Daily/weekly productivity goals
|   |— /screens           # Main screens of the app
|       |— HomeScreen.dart # Dashboard with task list, jou
rnal, stats
|       |— TaskScreen.dart # View, add, and manage tasks
|       |— TimerScreen.dart # Pomodoro timer or task time t
racking
|       |— StatsScreen.dart # View productivity trends and
insights
|       |— JournalScreen.dart # Daily reflection and goal tr
acking
```

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|   |   └─ SettingsScreen.dart # Customize app preferences
|   └─ /widgets                # Reusable UI components
|   |   └─ TaskCard.dart       # Display task details
|   |   └─ TimerWidget.dart    # Pomodoro timer UI
|   |   └─ JournalCard.dart    # Display journal entry preview
|   |   └─ GoalProgress.dart   # Visualize progress towards goals
|   └─ StatChart.dart          # Graphical representation of productivity data
|   └─ /services               # App services
|   |   └─ TaskService.dart    # Task management (add, edit, delete)
|   |   └─ TimerService.dart   # Manage Pomodoro timer and time tracking
|   |   └─ StatsService.dart   # Track and analyze productivity
|   |   └─ GoalService.dart    # Goal setting and tracking progress
|   |   └─ JournalService.dart # Manage journal entries
|   └─ /utils                  # Helper functions
|   |   └─ TimerUtils.dart     # Timer calculation and formatting
|   |   └─ Constants.dart      # App-wide constants (e.g., default work time)
|   └─ /backend                # Optional backend services
|   |   └─ /api                # API endpoints for tasks, stats, and journal entries
|   |   └─ server.js           # Main server file (if using Node.js)
|   |   └─ /models             # Backend schemas (tasks, stats, journals)
|   |   └─ /database           # Data storage (e.g., Firebase, MongoDB)
|   |   └─ /docs               # Documentation
|   |   |   └─ README.md       # Overview of the app
|   |   |   └─ API_Documentation.md # API endpoint details
|   |   |   └─ UX_Wireframes.pdf # Wireframe designs and UI/UX
|   └─ /test                   # Unit and integration tests
|   |   └─ TaskTests.dart
|   |   └─ TimerTests.dart
|   |   └─ StatsTests.dart
|   |   └─ JournalTests.dart
|   └─ /config                 # Configuration files
|   |   └─ firebase.json       # Firebase configuration

```

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|— .env          # Environment variables
|— package.json  # Backend dependencies
```

Features

1. Task Management

- Create, edit, delete, and categorize tasks with due dates.
- Assign priority levels and tags (e.g., work, personal, urgent).
- Tasks can be checked off as completed, and new ones can be added as needed.

2. Pomodoro Timer/Time Tracking

- Includes a Pomodoro timer for focused work sessions.
- Track time spent on tasks or projects with automatic logging.
- Option to pause, reset, and track breaks.

3. Productivity Stats and Insights

- Analyze time spent on tasks over days, weeks, or months.
- View productivity reports with graphical charts (e.g., pie charts, bar charts).
- Set and track productivity goals (e.g., work 30 hours a week).

4. End-of-Day Reflection (Journal)

- Daily journal entry to reflect on accomplishments, challenges, and mood.
- Offers prompts like "What went well today?" or "What could have been better?".
- Reflect on how focused you were, if you met your goals, and overall well-being.

5. Goal Setting

- Set specific, measurable goals (e.g., complete 5 tasks per day, work for 25 hours in a week).
- Track progress and receive insights on goal completion.
- Visualize goal progress with a progress bar or completion percentage.

6. Focus Mode

- "Focus mode" allows users to mute notifications and block distractions.

- Customizable to set break times and focus periods (e.g., 25 minutes focus, 5-minute break).
- Option to set ambient sounds or focus music during work.

7. Task and Journal Reminders

- Set reminders for tasks and journal entries.
- Push notifications to prompt journal entries or remind about tasks.
- Can sync with calendar apps for better scheduling.

8. Daily Summary & Weekly Overview

- Daily summary of completed tasks, time tracked, and journal insights.
- Weekly overview with productivity stats (time worked, goals achieved, tasks completed).
- Reflect on weekly productivity trends and set new goals for the next week.

9. App Customization

- Allow users to choose themes (light, dark, minimal).
- Customizable home screen widgets for tasks, stats, and timer.
- Set preferred work hours and break times.

10. Integration with Calendar

- Sync with Google Calendar or Apple Calendar to automatically import tasks and deadlines.
- Schedule tasks directly from the app into the calendar.

Additional Ideas:

- **Focus Music & Sound Effects**

Include a library of focus music or ambient sounds (e.g., rain, nature) for better concentration.

- **Gamification**

Earn points or rewards for completing tasks or achieving productivity milestones (e.g., streaks, badges).

Create weekly challenges for users to stay motivated.

- **Collaboration**

Allow users to collaborate on tasks or projects with others, sharing progress and notes in real-time.

- **Offline Mode**

Allow users to track tasks, time, and journal entries offline, with automatic syncing when back online.
