It sounds like you already have a solid foundation for your Todo application! To take it to the next level and make it the most advanced and feature-rich task management app ever, you can incorporate a wide range of features from beginner to expert levels, and even beyond that. Here’s a detailed list of features, categorized from basic to genius, that could elevate your app into a full-blown productivity suite:

**Beginner to Intermediate Features**

1. **Subtasks & Nested Tasks**: Allow users to break down tasks into smaller, manageable sub-tasks with their own due dates, priorities, and completion status. **(DONE)**
2. **Task Prioritization & Tags**: Allow users to set priority levels (low, medium, high) and tag tasks with custom labels (e.g., “work,” “home,” “urgent”). **(Not perfect DONE)**
3. **Due Dates & Reminders**: Add custom reminders for tasks and allow due date setting with time. Notifications for upcoming tasks. **(Not perfect DONE)**
4. **Recurring Tasks**: Enable users to set recurring tasks (e.g., daily, weekly, monthly) with customizable intervals.
5. **Dark Mode & Custom Themes**: Add dark mode support and customizable color themes for personalization.
6. **Task History & Audit Log**: Track all task changes (e.g., creation, completion, deletion) in a history or log.
7. **Search & Sort**: A robust search function to filter tasks by name, priority, tags, or due date. Sorting options for better task organization.
8. **Notes/Attachments**: Allow users to add notes and attach files (documents, images, etc.) to tasks. **(DONE)**
9. **Task Comments**: Users can add comments or discussions for collaborative tasks. **(DONE)**

**Intermediate to Advanced Features**

1. **Collaborative Tasks (Team Mode)**: Allow multiple users to collaborate on tasks, share to-do lists, and assign tasks to team members. Task permissions for different roles (e.g., Admin, Member).
2. **Time Tracking & Pomodoro Integration**: Add a timer to track the time spent on a task. Integrate the Pomodoro Technique (25-minute work blocks with 5-minute breaks).
3. **Voice Recognition & Task Creation**: Implement voice input to create tasks via speech (e.g., "Remind me to call John at 3 PM tomorrow").
4. **Offline Mode**: Allow users to access and manage tasks when they're offline. Sync changes once they’re back online.
5. **Smart Suggestions & Task Prediction**: Based on user behavior, suggest tasks they frequently do or tasks that are due soon.
6. **Calendar View & Task Planning**: Offer a calendar view for tasks where users can drag and drop tasks, plan for the week, month, etc.
7. **Task Dependencies**: Allow users to define task dependencies (e.g., Task B can only be done after Task A is completed). **--**
8. **Task Templates**: Create templates for common tasks or projects (e.g., weekly planning, project planning, etc.).
9. **Integrations (Google Calendar, Slack, Trello, etc.)**: Allow users to sync their tasks with external apps like Google Calendar, Trello, and Slack for seamless workflow.
10. **Smart Notifications**: Adaptive notification system based on user preferences. Only notify the user of important tasks based on past behavior or urgency.

**Advanced to Expert Features**

1. **AI-Powered Task Assistant**: Use AI to intelligently recommend tasks based on urgency, deadlines, and user habits. The AI can also predict how long a task will take based on previous tasks and suggest time slots for completion.
2. **Mood/Emotion Tracker**: Track how users feel after completing tasks and analyze the emotional impact of different types of tasks. Over time, suggest tasks that improve their well-being.
3. **Gamification & Achievements**: Introduce badges, points, or a streak system. Users can earn rewards for completing tasks on time, achieving certain milestones, etc.
4. **Advanced Analytics (Personal/Team)**: Dive deep into task analytics—track how much time is spent on specific tasks, average task completion time, efficiency, and so on. Provide feedback on how to improve productivity.
5. **Productivity Report**: Generate detailed weekly or monthly reports that show productivity patterns, completed vs. pending tasks, average time spent per task, and more.
6. **Deep Customization with Webhooks**: Enable power users to integrate webhooks or APIs to trigger external actions based on task events (e.g., completing a task can trigger a specific Slack message or a GitHub update).
7. **Work-Life Balance Tracker**: Track time spent on personal vs. work tasks. Provide insights on how to balance the two and suggest ways to avoid burnout.
8. **Smart Task Rescheduling**: Based on user habits and task urgency, intelligently reschedule tasks that haven't been completed or are getting delayed.
9. **Calendar Sync with External Tools**: Sync tasks with external calendars (Google Calendar, Apple Calendar) and even sync with external productivity tools like Notion, Asana, etc.
10. **Customizable Dashboards**: Allow users to create a personalized dashboard with widgets showing their most important tasks, productivity trends, upcoming deadlines, and much more.

**Genius-Level Features**

1. **Augmented Reality (AR) Task Management**: Use AR to visualize your to-do list in the real world. For example, tasks can be displayed as holograms or can be projected in your workspace using AR glasses or a phone.
2. **AI-based Task Automation**: Allow AI to automatically create tasks based on user actions. For example, if the user gets an email or a Slack message about something they need to do, the AI can automatically create a task and set a reminder.
3. **Multi-Device Synchronization with Contextual Awareness**: Sync tasks across devices while maintaining contextual awareness. For example, if the user starts a task on their phone, they can pick up where they left off on their laptop.
4. **Advanced Data Security (Blockchain, Decentralized Storage)**: For highly sensitive tasks, implement blockchain technology for verifying task completion or use decentralized storage for task-related files.
5. **Natural Language Processing for Task Creation**: Enable task creation through natural language processing, where users can just type in a sentence like, “Remind me to meet Sarah for coffee on May 23rd at 10 AM” and the app automatically extracts the relevant details.
6. **Virtual Assistant for Task Management**: Integrate a voice assistant (e.g., Google Assistant, Siri) to create, update, and check tasks via voice commands. It could act like a personal assistant for tasks.
7. **Biofeedback Integration for Task Focus**: Connect to wearable devices (e.g., heart rate monitors, fitness bands) to track user focus and suggest productivity-enhancing activities based on biometric data.
8. **Task Sharing with Social Media Integration**: Allow users to share their completed tasks or progress on social media, adding a layer of social accountability.
9. **Holistic Life Organization**: The app could become more than just a task manager—it could help users manage all aspects of their life, from tasks to health, finances, and hobbies, with a unified interface that offers suggestions across categories.
10. **Intelligent Task Delegation**: In collaborative settings, allow the app to intelligently delegate tasks based on team members' strengths, schedules, and workload.