### Python – PyQt

**Storage/Database:**

**If it's simple**: Using JSON or INI files to store settings and task data is sufficient.

**If it's more complex**: Consider using SQLite for more structured and relational data storage.

### Core Features

1. **Task Management**:
   * Create new tasks with titles and descriptions.
   * Edit existing tasks.
   * Delete tasks.
   * Mark tasks as completed or pending.
   * Set priorities (high, medium, low).
2. **Task Organization**:
   * Categorize tasks into projects or lists.
   * Tagging system for better organization.
   * Subtasks for breaking down larger tasks.
3. **Due Dates and Reminders**:
   * Set due dates for tasks.
   * Recurring tasks (daily, weekly, monthly).
   * Notifications and reminders for upcoming due dates.
4. **Search and Filter**:
   * Search functionality to find tasks quickly.
   * Filter tasks by status, priority, or due date.
5. **Pomodoro Technique:**

**1. Choose your topic.  
2. Set a timer for 25 minutes.  
3. Work on the topic until the timer goes  
off.  
4. Take a short break (usually 5 minutes).  
5. After every fourth Pomodoro, take a  
longer break (usually 15-30 minutes).**

1. **Progress Insights & Analytics**:
   * Provide insights into task completion; how many tasks are completed by day, average completion time, most productive times, etc.
2. **Calendar View:**
   * Offer a calendar view for a visual representation of upcoming deadlines and events.
3. **Progress Tracking:**
   * Offer a progress bar or percentage completion for tasks that involve multiple steps or subtasks.

### User Interface Features

1. **Customizable Themes**:
   * Light and dark modes.
   * Option to change color schemes.
2. **Drag and Drop**:
   * Reorder tasks using drag and drop.
3. **Responsive Design**:
   * Ensure the UI adapts to different screen sizes.
4. **Context Menus**:
   * Right-click options for quick actions (edit, delete, mark complete).