**🧪 Protocol Tracker App**

Welcome! This is a **Protocol Tracker** app built with **Streamlit**.  
It helps you organize your **projects**, **tasks**, and **subtasks** — especially useful for research experiments.

✅ You can **track what needs to be done**  
✅ **Mark tasks as completed**  
✅ **Export your tasks** into a .csv file easily!

**📦 What's Inside**

* app.py — The main app you will run.
* tasks.db — A database file (optional) to store your tasks.  
  If it's missing, the app will automatically create a new one for you!

**🚀 How to Set It Up (Step-by-Step)**

**1. Install Python**

* Go to <https://www.python.org/> and download **Python 3.9 or newer**.
* Install it.
* When installing, **make sure you check the box** that says:

✅ “Add Python to PATH”

**2. Open Command Line**

* Press Windows + R
* Type cmd
* Press Enter
* You now have the command line open.

**3. Install the required packages**

Inside the command line, navigate to the folder where the files are located.  
Example if you saved it under C:\Users\YourName\Downloads\protocol\_tracker\:

bash

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cd C:\Users\YourName\Downloads\protocol\_tracker

Now install the required libraries:

bash

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pip install -r requirements.txt

✅ This will install **Streamlit** and **Pandas** for you.

**4. Run the App**

Still in the same folder, type:

bash

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streamlit run app.py

✅ This will launch the app.

✅ Your web browser will automatically open to:

arduino

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http://localhost:8501/

and you'll see the Protocol Tracker!

**🛠 How to Use It**

* 📋 **Dashboard** shows project and task summaries.
* ➕ **Create Task** lets you add new projects, tasks, and steps.
* 📅 **Daily Tasks** shows today's tasks.
* 📂 **Project Overview** organizes tasks by project.
* 📤 **Export** your tasks to a .csv file for backup or sharing.

**❓ If Something Goes Wrong**

* If you get an error about **missing packages**, make sure you did step 3.
* If streamlit is not recognized, you may need to **restart your computer** after installing Python.

**📢 Notes**

* You don't need an internet connection to run the app.
* You don't need to know any coding to use the app — just follow the steps above!

**🎉 Enjoy using your Protocol Tracker!**

If you have any questions, feel free to ask the person who shared this app with you. 😄

**📁 Folder Structure**

cpp

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protocol\_tracker/

├── app.py

├── requirements.txt

├── tasks.db (optional, created automatically if missing)

├── README.md

✅  
This version is clear enough that **even beginners who never installed Python before** can follow it without getting scared.