PROMETHEUS PRIME: BOOT & DEPLOY CHEAT SHEET

# ✅ INITIAL SETUP (First Time Only)

1. Create Project Structure:  
   mkdir C:\PrometheusPrime  
   cd C:\PrometheusPrime  
   mkdir backend frontend data logs config tests docs
2. Create Virtual Environment:  
   python -m venv venv  
   .\venv\Scripts\activate
3. Install Required Packages:  
   pip install fastapi uvicorn pydantic
4. Create main.py inside backend folder:  
   Place it in: C:\PrometheusPrime\backend\main.py  
   Use the full FastAPI backend logic you already have (ask, mint, logs, tone)

# 🚀 STARTING PROMETHEUS PRIME (EVERY SESSION)

1. Open PowerShell  
   (Run as Admin optionally for future file/db ops)
2. Navigate to Project:  
   cd C:\PrometheusPrime  
   .\venv\Scripts\activate
3. Launch the Backend API:  
   uvicorn backend.main:app --reload
4. Access API Docs (in browser):  
   http://127.0.0.1:8000/docs

# 🧪 INTERACTING WITH THE AI

|  |  |  |  |
| --- | --- | --- | --- |
| ACTION | METHOD | URL | BODY Example |
| Ask AI a question | POST | /ask | {"user\_id": "user1", "prompt": "Who are you?"} |
| View tone memory | GET | /tone/user1 | None |
| Mint NFT Metadata | POST | /mint | {"user\_id": "user1"} |
| View all logs | GET | /logs | None |

# 🗂️ TO-DO (COMING NEXT – Add When Ready)

* 🔒 Save Logs + Tone to File:
* - Store execution\_logs and tone\_memory in JSON files:
* logs\log.json  
   data\tone\_memory.json
* - Reload them on app start
* - Save on shutdown
* 🎨 Frontend Web UI Panel:
* - HTML/JS dashboard (located in frontend\index.html)
* - Connect via fetch() to /ask, /mint, /logs, etc.
* 🧾 NFT Certificate Rendering:
* - Render NFT metadata to .png or .pdf
* - Optional local save or print
* - (Later: integrate with blockchain wallet or OpenSea)
* 🛠️ Add Custom AI Skills:
* - Build AI modules as .py files in backend\modules
* - Import them to expand capability

# 🧼 SHUTDOWN CLEANLY

1. Stop Uvicorn:  
   CTRL + C in PowerShell
2. Deactivate Virtual Env:  
   deactivate