Windows Setup Guide for Panic/Anxiety RAG

Chatbot

Your project structure is good! Now let's set up the chatbot on Windows.



Windows Commands Reference

Task	Windows	Linux/Mac
List files	dir or tree	ls or ls -la
Create folder	mkdir foldername	mkdir foldername
Create file	notepad filename	touch filename
View file	type filename	cat filename
Delete file	del filename	rm filename

copy source destination cp source destination Copy file

Current directory cd

Change directory cd path\to\folder cd path/to/folder

Activate venv venv\Scripts\activate source venv/bin/activate



→ STEP-BY-STEP SETUP FOR WINDOWS

Step 1: Check Your Current Structure



You're here (current structure):

C:\Users\lenovo\Documents\chatbot>tree

```
# Shows:
# C:.
# —data
# ____Plan
# L____V1
```

Good! You have data\docs\ ready for PDFs

Step 2: Create Virtual Environment



```
# Make sure you're in the chatbot directory
cd C:\Users\lenovo\Documents\chatbot

# Create virtual environment
python -m venv rag_chatbot

# Activate it (Windows command!)
rag_chatbot\Scripts\activate

# You should see: (rag_chatbot) before your prompt
```

Expected output:



(rag chatbot) C:\Users\lenovo\Documents\chatbot>

Step 3: Verify Python & Pip



bash

```
# Check Python version

python --version

# Should show: Python 3.8+

# Check pip

pip --version

# Should show: pip 23.0+
```

Step 4: Install Dependencies



```
# Upgrade pip first
python -m pip install --upgrade pip
# Install raganything (takes 10-15 minutes)
pip install "raganything[all]"
# Install additional packages
pip install sentence-transformers torch transformers langchain faiss-cpu
```

This will take time. Be patient!



Step 5: Verify MinerU Installation



Check if MinerU is installed mineru --version # If it shows version: Good! # *If error, install explicitly:*

pip install mineru

Step 6: Add Your PDFs



```
# Navigate to docs folder
cd data\docs

# Verify it's empty
dir

# Should be empty or show existing PDFs

# Now copy your 5 PDFs here:

# - panic_attack_coping.pdf

# - grounding_exercises.pdf

# - deep_breathing_manual.pdf

# - CBT_panic_guide.pdf

# - WHO_anxiety_tips.pdf

# Verify they're there
dir

# Go back to main folder
cd ..\..
```

Result should look like:



C:\Users\lenovo\Documents\chatbot\data\docs>dir

```
panic_attack_coping.pdf
grounding_exercises.pdf
deep_breathing_manual.pdf
CBT_panic_guide.pdf
WHO_anxiety_tips.pdf
```

Step 7: Create the Chatbot Script

Option A: Using Notepad (Easy)



hash

```
# Open Notepad
notepad chatbot.py
```

- # Paste the chatbot code from the artifact into Notepad
- # Then save it as chatbot.py (NOT as .txt!)
- # Make sure: Save as type = "All Files (*.*)" not "Text Documents"

Option B: Using PowerShell (Advanced)



bash

Open PowerShell as Administrator powershell

Navigate to your chatbot folder

cd C:\Users\lenovo\Documents\chatbot

Create the file

echo \$null > chatbot.py

Edit it with Notepad

notepad chatbot.py

Step 8: Verify Project Structure



basn

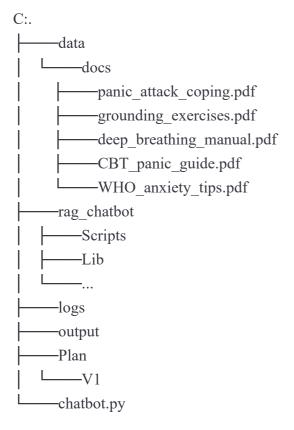
```
# Check what you have
```

dir

```
# Should show:
# Directory: C:\Users\lenovo\Documents\chatbot
# Mode
                LastWriteTime
                                  Length Name
# ----
# d----
           1/1/2025 1:00 PM
                                      data
# d----
           1/1/2025 1:00 PM
                                      rag chatbot
# d----
           1/1/2025 1:00 PM
                                      logs
# d----
           1/1/2025 1:00 PM
                                      output
         1/1/2025 1:00 PM
# d----
                                      Plan
# -a----
           1/1/2025 1:00 PM
                                  5000 chatbot.py
# Or use tree for prettier view
tree
```

Good structure should look like:





Step 9: Run the Chatbot!



- # Make sure venv is activated
- # You should see: (rag chatbot) in your prompt
- # If not activated:
- rag_chatbot\Scripts\activate
- # Run chatbot
- python chatbot.py
- # First run will:
- # 1. Setup directories ✓
- # 2. Check PDFs ✓
- # 3. Download models (~500MB)
- # 4. Load embedding model
- #5. Load LLM model
- # 6. Process PDFs
- # 7. Start chat interface
- # Ø Expected: 5-10 minutes first run

CHECKLIST - Windows Specific

- Activated venv: rag_chatbot\Scripts\activate
- Prompt shows: (rag_chatbot) C:\...>
- Python installed: python --version shows 3.8+
- Installed: pip install "raganything[all]"
- MinerU works: mineru --version returns version
- 5 PDFs in: C:\Users\lenovo\Documents\chatbot\data\docs\
- chatbot.py exists in main folder
- Can view it: type chatbot.py shows content
- First run: python chatbot.py

🐛 Windows-Specific Troubleshooting

"venv\Scripts\activate not found"



```
# Make sure you're in the chatbot folder
cd C:\Users\lenovo\Documents\chatbot

# Check if venv exists
dir | find "rag_chatbot"

# If not shown, recreate:
python -m venv rag_chatbot

# Then activate
```

"Python is not recognized"

rag_chatbot\Scripts\activate



bash

Python not in PATH. Options:

1. Reinstall Python (check "Add Python to PATH" during install)

2. Or use full path:

C:\Users\lenovo\AppData\Local\Programs\Python\Python311\python.exe chatbot.py

3. Or add Python to PATH manually:

- Search "Environment Variables"

- Click "Edit environment variables for your account"

- Click "New" and add: C:\Users\lenovo\AppData\Local\Programs\Python\Python311

- Restart terminal

"pip install fails"



bash

```
# Upgrade pip first

python -m pip install --upgrade pip

# Then try again

pip install "raganything[all]"

# If still fails, try:

pip install --no-cache-dir "raganything[all]"
```

"Permission denied" errors



bash

- # Run as Administrator:
- # 1. Right-click PowerShell/CMD
- # 2. Select "Run as administrator"
- # 3. Navigate to folder: cd C:\Users\lenovo\Documents\chatbot
- # 4. Then run: pip install "raganything[all]"

"Slow download"



bash

- # This is normal. Downloading 500MB+ of models.
- # First run takes 10-15 minutes.
- # You can see progress in terminal.

Create Remaining Folders

If they don't exist, create them:



bash

```
# In Command Prompt/PowerShell (in chatbot folder)
mkdir logs
mkdir output
mkdir rag_storage
# Verify
dir
# Should now show logs, output, rag storage folders
```

! Create Requirements File (Optional)

For easy reinstall later:



```
# Create file
notepad requirements.txt
# Paste this:
raganything[all]>=0.1.0
sentence-transformers==2.2.2
torch == 2.0.0
transformers==4.35.0
langchain==0.1.0
faiss-cpu=1.7.4
# Save it
# Later, install all at once:
pip install -r requirements.txt
```



✓ Your Exact Windows Commands (Copy & Paste)



```
cd C:\Users\lenovo\Documents\chatbot
# 2. Create venv
python -m venv rag_chatbot
# 3. Activate venv
rag_chatbot\Scripts\activate
# 4. Upgrade pip
python -m pip install --upgrade pip
# 5. Install dependencies (takes 10-15 min)
pip install "raganything[all]" sentence-transformers torch transformers langchain faiss-cpu
# 6. Verify MinerU
mineru --version
#7. Check if chatbot.py exists
type chatbot.py
# 8. Check if PDFs are in data\docs\
dir data\docs
#9. Run chatbot!
python chatbot.py
```

Success Indicators

1. Navigate to chatbot folder

When you run python chatbot.py, you should see:



PANIC & ANXIETY RAG CHATBOT - LOCAL VERSION Setting up directories... ./data/docs/ ✓ ./rag storage/ ./output/ ✓ ./logs/ ✓ Found 5 PDFs: panic_attack_coping.pdf (2.3 MB) grounding_exercises.pdf (1.8 MB) Loading embedding model... Model: sentence-transformers/all-MiniLM-L6-v2 Loading LLM model... LLM ready Initializing RAGAnything... RAGAnything initialized Processing 5 PDFs... [1/5] Processing: panic_attack_coping.pdf Completed PANIC & ANXIETY SUPPORT CHATBOT You: Then type your question! **Need Help?**

Common issues on Windows:

Problem Solution

Command not found Use dir instead of 1s

venv won't activate Use venv\Scripts\activate (not source)

Pip fails Run CMD as Administrator

Downloads slow Normal! 10-15 min first time.

Can't find Python Reinstall with "Add to PATH" checked

You're all set for Windows! Follow the commands above and you'll be chatting in 15-20 minutes! 🞉