Manual Installation Guide for Prompt Quill

This guide walks you through installing Prompt Quill manually on a Windows system if the one-click installer fails. Follow each step carefully. If you encounter issues, check the installation.log file in the same folder as this guide for details.

Prerequisites

* Windows Operating System: This guide is for Windows users.
* Internet Connection: Required to download files.
* Administrator Access: You may need this to install software.
* Disk Space: At least 15-20 GB free (for downloads, environments, and runtime).

Step 1: Install Git

Git is a tool needed for version control and downloading files.

1. Check if Git is Installed:
   * Open Command Prompt (Press Win + R, type cmd, and press Enter).
   * Type git --version and press Enter.
   * If you see a version number (e.g., git version 2.XX.X), Git is installed. Skip to Step 2.
   * If you get an error like 'git' is not recognized, proceed to install it.
2. Download and Install Git:
   * Open your web browser and go to <https://git-scm.com/download/win>.
   * Click the link for the Windows version to download the installer (e.g., Git-2.XX.X-64-bit.exe).
   * Run the downloaded file.
   * Follow the installer prompts. Use the default settings unless you have a specific reason to change them.
   * Verify by typing git --version in Command Prompt.

Step 2: Download Miniconda

Miniconda is a lightweight Python distribution for setting up the environment.

1. Create an Installation Folder:
   * Open File Explorer and navigate to the folder where you ran the one-click installer (e.g., where this guide is located).
   * Create a new folder called installer\_files if it doesn’t exist.
2. Download Miniconda:
   * In your web browser, go to <https://repo.anaconda.com/miniconda/Miniconda3-py310_23.3.1-0-Windows-x86_64.exe>.
   * Download the file and save it into installer\_files as miniconda\_installer.exe.

Step 3: Install Miniconda

Install Miniconda into a specific directory.

1. Run the Installer:
   * Open File Explorer, go to installer\_files, and double-click miniconda\_installer.exe.
   * If prompted, allow it to run as an administrator.
   * Follow the prompts:
     + Choose "Install for me only" (if asked).
     + Set the installation path to [Your Folder Path]\installer\_files\conda (e.g., C:\path\to\your\project\installer\_files\conda).
     + Uncheck "Add Anaconda to my PATH" (we’ll manage this manually).
   * Wait for the installation to finish.
2. Verify Installation:
   * In File Explorer, check that installer\_files\conda contains \_conda.exe.

Step 4: Set Up a Python Environment

Create a Python 3.11 environment for the project.

1. Open Command Prompt:
   * Press Win + R, type cmd, and press Enter.
2. Navigate to the Conda Folder:
   * Type cd [Your Folder Path]\installer\_files\conda (e.g., cd C:\path\to\your\project\installer\_files\conda) and press Enter.
3. Create the Environment:
   * Type:

\_conda.exe create --no-shortcuts -y -k --prefix ..\env python=3.11

* + Press Enter and wait (this may take a few minutes).

1. Check the Environment:
   * In File Explorer, confirm installer\_files\env exists.

Step 5: Activate the Environment

Activate the environment to use it.

1. Run the Activation Command:
   * In Command Prompt, type:

..\conda\condabin\conda.bat activate ..\env

* + Press Enter. The prompt should change to include (env).

Step 6: Install Initial Python Libraries

Install required Python libraries.

1. Install Requests:
   * In the activated Command Prompt, type:

pip install requests

* + Press Enter and wait.

1. Install tqdm:
   * Type:

pip install tqdm

* + Press Enter and wait. This provides download progress bars.

1. Install py-cpuinfo:
   * Type:

pip install py-cpuinfo==9.0.0

* + Press Enter and wait. This checks CPU features.

Step 7: Install Qdrant

Qdrant is a key component of the project.

1. Create Additional Folders:
   * In File Explorer, in the project folder, create installer\_cache if it doesn’t exist.
   * Inside installer\_files, create a folder called qdrant if it’s not there.
2. Download Qdrant Files:
   * In your browser, download these into installer\_files:
     + Qdrant Binary: <https://github.com/qdrant/qdrant/releases/download/v1.12.6/qdrant-x86_64-pc-windows-msvc.zip> → Save as qdrant-x86\_64-pc-windows-msvc.zip
     + Qdrant Web UI: <https://github.com/qdrant/qdrant-web-ui/releases/download/v0.1.33/dist-qdrant.zip> → Save as dist-qdrant.zip
     + Prompt Quill Data: <https://civitai.com/api/download/models/567736> → Save as data.zip
3. Extract the Files:
   * Qdrant Binary: Right-click qdrant-x86\_64-pc-windows-msvc.zip, select "Extract All," and extract to installer\_files\qdrant. Check for qdrant.exe.
   * Qdrant Web UI: Right-click dist-qdrant.zip, extract to installer\_files\qdrant. Rename the dist folder to static.
   * Prompt Quill Data: Create installer\_files\delete\_after\_setup, right-click data.zip, extract to delete\_after\_setup. Check for prompts\_ng\_gte-2103298935062809-2024-06-12-06-41-21.snapshot.
4. Mark Setup Complete:
   * In installer\_files, create an empty text file named qdrant\_loaded.txt (New > Text Document).
5. Optional Cache:
   * Copy the three .zip files to installer\_cache for future use.

Step 8: Run the Application

Set up and launch the web UI.

1. Install PyTorch and Dependencies:
   * In the activated Command Prompt, choose your GPU type:
     + NVIDIA GPU: Type:

python -m pip install torch==2.4.1 torchvision==0.19.1 torchaudio==2.4.1 --index-url https://download.pytorch.org/whl/cu121

* + - * For CUDA 11.8 (older cards), use:

python -m pip install torch==2.4.1 torchvision==0.19.1 torchaudio==2.4.1 --index-url https://download.pytorch.org/whl/cu118

* + - AMD GPU (ROCm): Type:

python -m pip install torch==2.4.1 torchvision==0.19.1 torchaudio==2.4.1 --index-url https://download.pytorch.org/whl/rocm5.6

* + - No GPU (CPU): Type:

python -m pip install torch==2.4.1 torchvision==0.19.1 torchaudio==2.4.1 --index-url https://download.pytorch.org/whl/cpu

* + Press Enter and wait (this can take a while).

1. Install Ninja and Git (Conda):
   * Type:

conda install -y -k ninja git

* + Press Enter and wait.

1. Install CLIP:
   * Type:

python -m pip install git+https://github.com/openai/CLIP.git@a1d071733d7111c9c014f024669f959182114e33

* + Press Enter and wait.

1. Install Requirements:
   * Locate the appropriate requirements file in your project folder (e.g., requirements.txt, requirements\_cpu\_only.txt, etc., based on your setup):
     + NVIDIA/AMD: Use requirements.txt.
     + CPU: Use requirements\_cpu\_only.txt.
     + No AVX2: Append \_noavx2 (e.g., requirements\_noavx2.txt). Check CPU support by running python -c "import cpuinfo; print('avx2' in cpuinfo.get\_cpu\_info()['flags'])". True means AVX2 is supported.
   * Type (replace with your file):

python -m pip install -r requirements.txt --upgrade

* + Press Enter and wait.

1. Clean Up Qdrant Files:
   * In File Explorer, delete from installer\_files:
     + dist-qdrant.zip
     + qdrant-x86\_64-pc-windows-msvc.zip
     + data.zip
     + Folder delete\_after\_setup
   * Inside installer\_files\qdrant, delete the snapshots folder if it exists.
2. Launch the Web UI:
   * In Command Prompt, type:

python pq/prompt\_quill\_ui\_qdrant.py

* + Press Enter. The application should start. If successful, you’ll see logs about "Launching Prompt Quill UI."

Troubleshooting

* Check the Log: Open installation.log in Notepad for error details.
* Common Fixes:
  + Run Command Prompt as Administrator if permissions are denied.
  + Ensure 1-2 GB free disk space before Step 8 (check with File Explorer).
  + Verify internet for downloads.
  + If pq/prompt\_quill\_ui\_qdrant.py is missing, ensure all project files are in place.