Sure, Kirti! Here's your README content formatted for a Word document. You can copy and paste this into Microsoft Word, or click/open the card above to download the file directly.

**TLC Tool – Transaction Listing Consolidation**

**📌 Overview**

The TLC Tool is designed to consolidate monthly transaction listings across three entities—**HGMS**, **HGSU**, and **HGHQ**—into a unified, pivot-ready Excel output. It automates folder setup, validates inputs, and generates two key outputs for downstream reporting.

**📁 Folder Structure Requirements**

Before running the tool, ensure the following structure exists:

Current Working Directory/

│

├── Data/

│ ├── Jan/

│ ├── Feb/

│ ├── Mar/

│ └── ... (up to Dec)

│

├── Input/

│ ├── FxRate.xlsx

│ ├── Mapping\_CL.xlsx

│ └── Nominal mapping.xlsx

│

├── TLConsolidation Tool\_KS.exe

└── Output/ (will be created automatically)

**✅ Pre-Run Checklist**

1. **Folder Setup**: Ensure Data folder exists with subfolders for each month (Jan, Feb, etc.).
2. **File Placement**: Place Python-generated files (HGMS, HGSU, HGHQ) in the correct month subfolder under Data.
3. **Backup Warning**: Existing HGMS, HGSU, HGHQ folders in the root directory will be deleted.
4. **Mapping Files**: Confirm Mapping\_CL.xlsx and Nominal mapping.xlsx are present in the Input folder.
5. **FX Rates**: Ensure FxRate.xlsx contains updated monthly FX rates.
6. **Excel Hygiene**: Close all Excel files before running the tool to avoid file locks.

**🛠️ How the Tool Works**

1. **Initialization**
   * Searches for Data folder in the current working directory.
   * Creates missing month subfolders (Jan to Dec) if not found.
   * Deletes existing HGMS, HGSU, HGHQ folders in root directory.
2. **User Prompt**
   * Pauses execution and prompts user to place files in correct folders.
   * Press Enter to continue once files are placed.
3. **Processing**
   * Reads monthly files for selected entities.
   * Applies mapping and FX rate transformations.
   * Consolidates into a unified dataset.
4. **Output**
   * Output/Consolidated Base Data.xlsx: Raw merged data.
   * Output/TLOut.xlsx: Final pivoted view for reporting.

**📦 Input File Details**

| **File Name** | **Description** |
| --- | --- |
| FxRate.xlsx | Monthly FX rates per entity |
| Mapping\_CL.xlsx | Entity-level mapping logic |
| Nominal mapping.xlsx | Nominal code mapping |

**⚠️ Important Notes**

* This tool **only supports** HGMS, HGSU, HGHQ entities.
* Ensure your TL Python code has already run and generated the required files.
* All data placed in Data folders will be used for consolidation.
* **Do not rename** the expected input files or folder names.

**🚨 Error Handling & Tips**

* If the tool crashes:
  + Check for missing month folders or input files.
  + Ensure Excel files are not open.
  + Validate FX rate file format and completeness.
* For debugging, enable verbose logging (if supported in your .exe).

**🧠 Suggestions for Enhancement**

Would you like to include any of the following?

* **Versioning**: Add a Version section to track updates.
* **Command-line arguments**: If the .exe supports flags (e.g., --months Jan Mar), document them.
* **Sample files**: Include dummy FxRate.xlsx and mapping files for reference.
* **Screenshots**: Add visuals of folder structure or output files.
* **License**: If sharing publicly, include a license (e.g., MIT).

Let me know if you'd like help adding screenshots, version history, or packaging this with sample files.