**File Organization and Naming Standards Guide**

**FDA 510(k) AI-Driven Auto-Import and Tissue Analysis Project**

**Purpose**

This naming convention ensures consistency, clarity, and easy identification of all files and folders related to the project. It incorporates key details like file type, content, version, and creation date, while ensuring all files are associated with the project through a uniform prefix.

**Folder Structure**

The folder hierarchy is designed to separate raw data, documents, analysis, and reports for streamlined organization.

FDA 510(k) AI-Driven Auto-Import and Tissue Analysis Project/

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├── \_Documents/

│ ├── General project documentation and references.

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├── \_Research/

│ ├── \_Foundational\_Methodology/

│ │ ├── FDA510k\_AI\_Comprehensive\_Statistical\_Analysis\_and\_Correlations\_2024-12-19.docx

│ │ ├── FDA510k\_AI\_Development\_of\_Weighting\_System\_2024-12-19.docx

│ │ ├── FDA510k\_AI\_Examples\_with\_Chain\_of\_Thought\_2024-12-19.docx

│ │

│ ├── \_Refinements\_and\_Insights/

│ │ ├── FDA510k\_AI\_Alignment\_with\_Initial\_Research\_and\_Reasons\_for\_Changes\_2024-12-19.docx

│ │ ├── FDA510k\_AI\_Granular\_Weights\_and\_Decision\_Framework\_2024-12-19.docx

│ │ ├── FDA510k\_AI\_New\_Insights\_from\_Recent\_Analysis\_2024-12-19.docx

│ │ ├── FDA510k\_AI\_Refined\_Methodologies\_from\_Iteration\_2024-12-19.docx

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├── \_Archive/

│ ├── Historical versions of research and analysis files.

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├── \_Raw\_Data/

│ ├── Raw data imported from FDA API.

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├── \_Analysis/

│ ├── Processed data, scoring models, and likelihood results.

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├── \_Reports/

│ ├── Final reports, summaries, and stakeholder documents.FDA 510(k) AI-Driven Auto-Import and Tissue Analysis Project/

**File Naming Convention**

**General Format**

**FDA510k\_AI\_[Type]*[Specific Content or Version]*[Date].ext**

* **FDA510k\_AI**: The prefix ties the file to the project.
* **Type**: Indicates the file category (e.g., Document, RawData, Analysis, Report).
* **Specific Content or Version**: Describes the file’s focus (e.g., Predictive\_Analysis, Chain\_of\_Thought).
* **Date**: Tracks the file creation or update date in YYYY-MM-DD format.

**Examples by Folder**

**\_Documents/**

* **FDA510k\_AI\_Predictive\_Analysis\_and\_Correlations\_2024-11-22.docx**
* **FDA510k\_AI\_Weighting\_System\_Development\_2024-11-22.docx**
* **FDA510k\_AI\_Statistical\_Analysis\_and\_Correlations\_2024-11-13.docx**

**\_Archive/**

* **FDA510k\_AI\_Predictive\_Analysis\_v1\_2024-10-15.docx**
* **FDA510k\_AI\_Weighting\_System\_v2\_2024-11-10.docx**
* **FDA510k\_AI\_First\_Draft\_Analysis\_2024-10-01.xlsx**

**\_Raw\_Data/**

* **FDA510k\_AI\_AutoImport\_RawData\_2024-11-13.csv**
* **FDA510k\_AI\_AutoImport\_RawData\_Backup\_2024-11-13.csv**

**\_Analysis/**

* **FDA510k\_AI\_Tier1\_Screening\_Analysis\_2024-11-22.xlsx**
* **FDA510k\_AI\_Tier2\_Detailed\_Analysis\_2024-11-22.xlsx**
* **FDA510k\_AI\_Likelihood\_Model\_Results\_40\_Records\_2024-11-22.xlsx**

**\_Reports/**

* **FDA510k\_AI\_Executive\_Summary\_Tissue\_Analysis\_2024-11-22.docx**
* **FDA510k\_AI\_Final\_Report\_510k\_Analysis\_2024-11-22.pdf**

**Naming Guidelines**

1. **Prefix:** Always use FDA510k\_AI\_ at the beginning of every file.
2. **Type:** Clearly identify the purpose of the file (e.g., RawData, Analysis, Report).
3. **Specific Content:** Use descriptive terms to reflect the content or focus of the file.
4. **Date Format:** Use YYYY-MM-DD for chronological tracking of versions.
5. **Extension:** Use appropriate file extensions (e.g., .docx for Word documents, .xlsx for Excel files, .csv for raw data).

**Benefits**

* **Consistency:** Ensures all files are clearly tied to the project.
* **Searchability:** Makes locating files easier, whether through search or manual browsing.
* **Version Control:** Allows tracking of updates and file history.
* **Organized Workflow:** Separates files by purpose for better clarity and usability.

**Example Folder and File Structure**

FDA 510(k) AI-Driven Auto-Import and Tissue Analysis Project/

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├── \_Documents/

│ ├── FDA510k\_AI\_Predictive\_Analysis\_and\_Correlations\_2024-11-22.docx

│ ├── FDA510k\_AI\_Weighting\_System\_Development\_2024-11-22.docx

│ └── FDA510k\_AI\_Statistical\_Analysis\_and\_Correlations\_2024-11-13.docx

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├── \_Archive/

│ ├── FDA510k\_AI\_Predictive\_Analysis\_v1\_2024-10-15.docx

│ ├── FDA510k\_AI\_Weighting\_System\_v2\_2024-11-10.docx

│ └── FDA510k\_AI\_First\_Draft\_Analysis\_2024-10-01.xlsx

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├── \_Raw\_Data/

│ ├── FDA510k\_AI\_AutoImport\_RawData\_2024-11-13.csv

│ └── FDA510k\_AI\_AutoImport\_RawData\_Backup\_2024-11-13.csv

│

├── \_Analysis/

│ ├── FDA510k\_AI\_Tier1\_Screening\_Analysis\_2024-11-22.xlsx

│ ├── FDA510k\_AI\_Tier2\_Detailed\_Analysis\_2024-11-22.xlsx

│ └── FDA510k\_AI\_Likelihood\_Model\_Results\_40\_Records\_2024-11-22.xlsx

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└── \_Reports/

├── FDA510k\_AI\_Executive\_Summary\_Tissue\_Analysis\_2024-11-22.docx

└── FDA510k\_AI\_Final\_Report\_510k\_Analysis\_2024-11-22.pdf