name: 📄 Document Processing Issue
about: Report issues with PPT, PDF, or Markdown processing engines
title: '[PROCESSING] '
labels: 'processing, bug'
assignees: ''

📄 Processing Issue Summary

Brief description of the document processing problem.

🔄 Processing Stage

Where in the pipeline does the issue occur?
- [ ] **PPT Engine** - PowerPoint file processing
- [ ] **PDF Engine** - PDF conversion/processing
- [ ] **Markdown Engine** - Digital twin generation
- [ ] **Metadata Extraction** - File analysis and categorization
- [ ] **Cross-Reference System** - SCK CEN reference mapping
- [ ] **Recursive Build** - Navigation system generation
- [ ] **File Upload/Storage** - File handling and storage

📁 File Information

- **File Type**: .pptx / .pdf / .docx / other
- **File Size**: e.g., 15MB
- **File Count**: Single file / Multiple files (specify number)
- **Source**: Upload / Master Input / External

🎯 Expected Processing Output

What should the processing pipeline produce?
- [ ] Digital twin (.md file)
- [ ] Metadata JSON
- [ ] Cross-references extracted
- [ ] Category classification
- [ ] Visual artifacts processed
- [ ] Other: _____

❌ Actual Processing Result

What actually happened during processing?
- [ ] Processing failed completely
- [ ] Partial processing completed
- [ ] Incorrect metadata extracted
- [ ] Missing cross-references

- [ ] Wrong file categorization
- [ ] Corrupted output files
- [ ] Other: _____

📝 Error Messages

> Paste any error messages from processing logs here

🔍 Processing Logs

```
Include relevant logs from:
- Python processing scripts
- API endpoint responses
- Browser console errors
- System logs
```

📊 Processing Statistics

If available, include:
- **Processing Time**: How long did it take?
- **Memory Usage**: Any memory issues?
- **CPU Usage**: High resource consumption?
- **File Output Size**: Size of generated files

🧪 Reproducibility

- [ ] Issue occurs consistently with the same file
- [ ] Issue occurs with multiple similar files
- [ ] Issue is intermittent/random
- [ ] Issue only occurs in specific conditions

🌐 Environment Details

- **Processing Location**: Local development / Production / CI/CD
- **Python Version**: e.g., 3.11.0
- **Node.js Version**: e.g., 18.17.0
- **Operating System**: e.g., Ubuntu 20.04
- **Available RAM**: e.g., 8GB
- **Available Disk Space**: e.g., 50GB free

🔗 Sample Files

If possible and safe to share:
- [ ] Can provide sample file that reproduces the issue
- [ ] File contains sensitive data (cannot share)
- [ ] Similar public file available (provide link)

📋 Processing Configuration

- **Master Input Directory**: Standard / Custom path
- **Output Directory**: Standard / Custom path
- **Processing Batch Size**: Single / Multiple files
- **Custom Processing Parameters**: Any special settings

🎯 Processing Categories Affected

Which document categories are impacted?
- [ ] SYSTEM_ARCHITECTURE
- [ ] COMPLIANCE
- [ ] INFRASTRUCTURE
- [ ] STANDARDS
- [ ] VALUES_POLICY
- [ ] PROJECT_STATUS
- [ ] SYSTEMS
- [ ] GENERAL

🔄 Workaround Available

Is there a temporary workaround?
- [ ] Yes - describe below
- [ ] No workaround found
- [ ] Partial workaround available

Workaround Description:

```
Describe any temporary solutions that work
```

🎯 Business Impact

How does this affect your workflow?
- [ ] Blocks all document processing
- [ ] Affects specific file types only
- [ ] Reduces processing efficiency
- [ ] Causes data quality issues
- [ ] Minor inconvenience
- [ ] Other: _____

🔍 Additional Investigation

Have you tried:
- [ ] Reprocessing the same file
- [ ] Processing similar files
- [ ] Different processing parameters
- [ ] Manual processing steps
- [ ] Alternative file formats

📚 Related Documentation

- Link to relevant processing documentation
- Reference to similar resolved issues
- Related feature requests or enhancements

📋 For Maintainers

- [ ] Processing issue confirmed
- [ ] Root cause identified
- [ ] Processing engine affected determined
- [ ] Fix priority assigned
- [ ] Test cases created