


CamelCase Conversion Tool - Usage Guide

This guide explains how to use the camelCase conversion tools for standardizing your Second Brain file structure.

Quick Start Guide

Option 1: Use the Batch File (Recommended)

Just double-click:  `convertSecondBrain.bat`

This opens a **menu-driven interface**. You can choose:

1. **Dry Run** - Preview changes without modifying files
2. **Full Conversion (with backup)** - Recommended for most users
3. **Full Conversion (no backup)** - Not recommended unless you know what you're doing
4. **Exit** - Close the program

Option 2: Command Line Usage

For advanced users who prefer the command line:

```
bash

# For a dry run (preview only)
python second_brain_converter.py --dry-run

# For a full conversion with automatic backup
python second_brain_converter.py

# For conversion without backup (not recommended)
python second_brain_converter.py --no-backup
```

What the Tool Does

This conversion tool will:

1. **Create a backup** of your entire second_brain directory (unless disabled)
2. **Convert file and folder names** to camelCase:
 - `snake_case` → `snakeCase` (e.g., `meeting_notes` → `meetingNotes`)
 - `kebab-case` → `kebabCase` (e.g., `project-ideas` → `projectIdeas`)
 - `Spaced names` → `spacedNames` (e.g., `Meeting Notes` → `meetingNotes`)
3. **Smart handling of special cases:**
 - Preserves date prefixes (e.g., `2025-05-21_file_name.json` → `2025-05-21_fileName.json`)
 - Maintains file extensions (e.g., `.md`, `.json`, `.py`)
 - Skips protected files like `.env` and `ChatGPTMemory.json`

After Conversion

After running the tool:

1. **Review the changes** to ensure everything converted correctly
2. **Update any references** in scripts or other files that use the old paths
3. **Delete the backup** once you've verified everything works as expected

Safety Features

The tool includes several safety measures:

- **Automatic backups** before making changes
- **Collision detection** to prevent overwriting existing files
- **Dry run mode** to preview changes before committing
- **Exclusion list** for files that should remain unchanged
- **Detailed logs** of all actions taken

Troubleshooting

If you encounter issues:

1. **Check the log output** for specific error messages
2. **Restore from backup** if needed (located in `conversion_backup_[TIMESTAMP]` folder)
3. **Run in dry-run mode** to diagnose conversion issues

Maintaining camelCase Naming

To maintain consistent camelCase naming in the future:

1. **Use the same convention** for all new files and folders
 2. **Run the conversion tool periodically** to fix any inconsistently named files
 3. **Share this guide** with collaborators to ensure everyone follows the same conventions
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Created by Claude (Debugger/Implementer) for the 4AI workflow system