Batch View Duplicator for Revit (pyRevit Script)

Overview

This script allows users to **duplicate existing Revit views as dependent views** using pyRevit. Users can input multiple view names via a pop-up window, and the script will create **one dependent view for each name entered**.

How It Works

1. **User Input**: A pop-up window appears, allowing the user to enter multiple view names.

2. **Processing Views**: The script reads the existing views in the project.

3. **Duplicating Views**: Each existing view is duplicated as a dependent view with the specified new name.

4. **Logging & Errors**: The script logs success messages and warns if a view is not found.

Installation & Setup

- Ensure you have **pyRevit installed**.

- Place the script file in a **pyRevit extension folder** under:

- [your_extension].extension > [your_tab].tab > [your_panel].panel > [your_button].pushbutton > script.py

- Place the corresponding **ViewCreator.xaml** file in the same directory.

Usage Guide

1. Run the script from pyRevit's custom toolbar.

2. A **popup window** will appear asking for view names.

3. **Enter view names** separated by a tab (TAB key), one per line.

4. Click **Create** to generate the dependent views.

5. The script will create the new views and log success or errors in the console.

Input Format Example

Original View Name   New View Name

Level 1 Plan   Level 1 - Enlarged

Level 2 Plan   Level 2 - Enlarged

Section A   Section A - Detail

Note: Use a tab (TAB key) to separate the original view name from the new view name.

Troubleshooting

- **Views not created?**

    o   Ensure the **original view names exist** in the project.

    o   Use **correct tab spacing** between names.

- **Script doesn't run?**

    o   Verify the script is **placed in the correct pyRevit folder**.

    o   Check the pyRevit **output log** for syntax errors.

Technical Details

- **Language**: IronPython (compatible with Revit's Python API)

- **Requires**: pyRevit framework

- **Creates**: Dependent views only

- **Handles Errors**: Logs warnings for missing views

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✅ **Tested and working with IronPython in pyRevit!** 🚀