

## Generating Test Data Challenge

### Overview

I'll be testing a Python program that takes documents from two folders – one called originals and the other called updates – and decides which ones to keep in a final folder called finals. The program uses either a file called 'droplist', which will ignore some files from the originals folder, or an 'allowlist' which will only keep some files from the originals folder. Files from the updates folder always go into a new folder called 'finals', and if a file is in both originals and updates folders, the updates version supersedes information in originals.

I'll be testing the program to make sure:

- It follows the rules correctly
- It puts the right files in the finals folder
- It doesn't include or miss files by mistake
- It works properly with names and addresses made using Faker

### Rules:

- If a file is in **updates**, it **must** be in **finals**.
- If a file is in **originals** and is in **allowlist** → put in **finals** (unless it's superseded by **updates**).
- If a file is in **droplist**, it should **not** be in **finals** at all.
- If a file is not mentioned in **allowlist**, it's ignored.
- If both *allowlist* and *droplist* exist → error.

## Manual Tests

Test Case ID	Description	Originals	Updates	List	Expected Outcome	Status	Notes
TC01	File in originals and in droplist, NO UPDATES FOLDER	Smith	-	droplist: Smith	No <i>updates</i> error	Passed	ERROR: updates folder not found in target directory
TC02	Check if updates folder overrides originals folder	DiCaprio	DiCaprio	allowlist: DiCaprio	Updates supersedes	Passed	DiCaprio details from <i>updates</i> folder is in <i>finals</i>
TC03	File in updates only, listed in droplist, NO ORIGINALS FOLDER	-	Pitt	droplist: Pitt	No <i>originals</i> error	Passed	ERROR: originals folder not found in target directory
TC04	File in originals and in allowlist, NO UPDATES FOLDER	Gyllenhaal	-	allowlist: Gyllenhaal	No <i>updates</i> error	Passed	ERROR: updates folder not found in target directory
TC05	File is in originals folder, but	Dench	Empty	allowlist: empty	File not in finals	Fail	IndexError: list index out of range

	allowlist is empty						
TC06	Special character in file name	Zeta-Jones	Empty	allowlist: Zeta-Jones	File with special character in name in finals	Fail	The name of the file in finals is changed to remove the special character from Zeta-Jones to ZetaJones