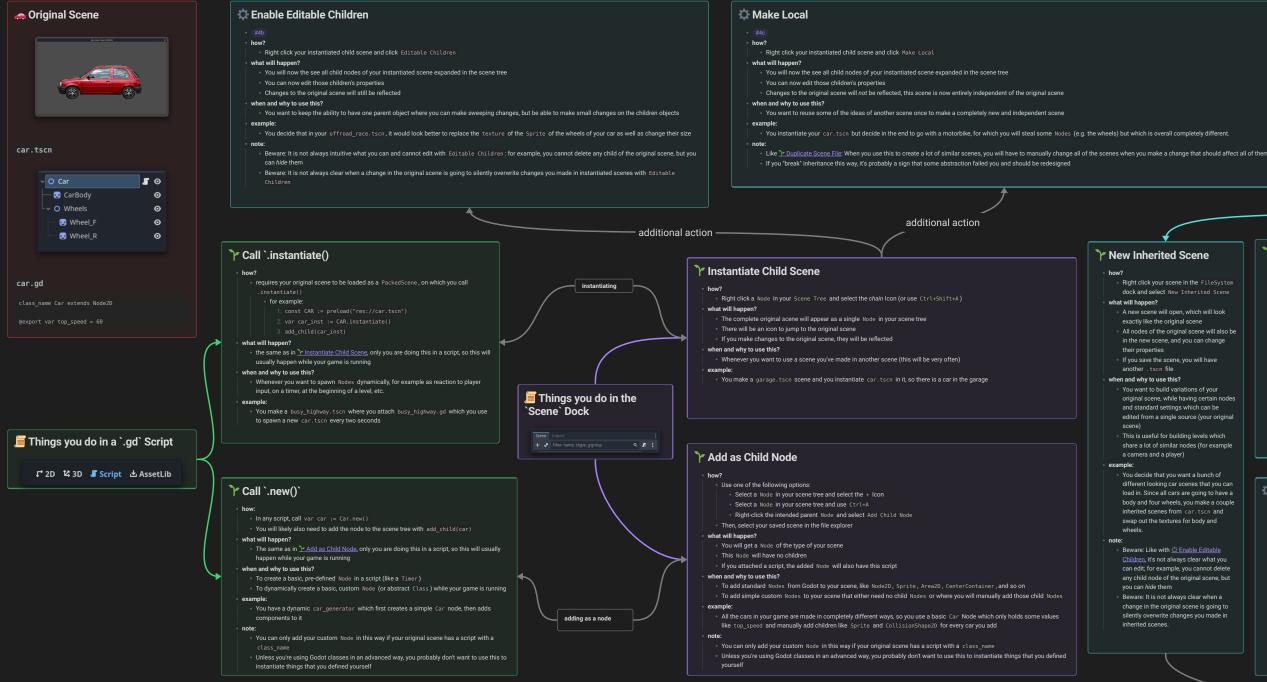
the many ways of instantiating/duplicating/spawning a scene in Godot 4

@Kolja Sam, <u>koljapluemer.com</u>, v1.0 Up to date for Godot 4.3, mistakes are mine :



Things you do in the `FileSystem` Dock

Q t∃

Y Duplicate Scene File

how? Duplicate the scene file by right-clicking it and selecting Duplicate, or just press Ctrl+D Duplicate it to a different location by right-clicking it, selecting Move/Duplicate To... and choosing a target

what will happen?

- You get another scene with its own file with that is exactly the same as the original Now you can change the scenes completely independently of each other
- when and why to use this?
- · You want to reuse some of the ideas of another scene once to make a completely new and independent scene

example

You duplicate car.tscn to make bike.tscn, which will have roughly the same nodes, but will go
into a different part of your game and work completely differently

- If nodes have scripts attached, they will be shared with the original scene, unless you disconnect
- When you use this to create a lot of similar scenes, you will have to manually change all of the scenes when you make a change that should affect all of them

Clear Inheritance

how?

· Right click the root node of your inherited scene in the scene tree and select Clear Inheritance what will happen?

- Changes to the original scene will no longer be reflected, this scene is now entirely independent of
- Doing this has the exact same effect as <u> Duplicate Scene File</u>, but with more steps
- when and why to use this?

example:

- semi_truck.tscn, which needs more sprites and more wheels, so the inheritance gets in your way
- note: Like in #1: When you use this to create a lot of similar nodes, you will have to manually change all of the scenes when you make a change that should affect all of them

additional action