**Recursion Projects – Your Finest Tree**

Yesterday we discussed and built a 2-branch tree fractal using transformations and recursion. For a small **one-day** project, I would like you to extend what we built together, to create your "Finest Tree", and submit it. The aim here is to design something that is **visually interesting and unique**, but it's really up to you to decide what that means...

A few possible ideas to investigate:

* Different number of branches (3, 4, 5...)
* Random number of branches at each level
* Adding leaves, flowers, fruit, bird's nest?
* Different branch thicknesses
* Fill Colors, Stroke Colors, Alpha
* Implement the tree in 3D? (see info on modules)
* Automate the tree opening and closing
* Create a forest (multiple trees - perhaps click to add a tree...objects?)
* Growth over time (increase branch length and angle each frame until a certain amount is reached)

This is an **exploratory project**, so there isn't a "correct" solution. Just have fun, and be creative. *This particular assignment will be graded on a complete/incomplete basis.*