



Assignment 1 - Advanced Materials and Lighting in Keyshot

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All files (textures, 3D models, etc) not created by me were found on TurboSquid and CGTrader



Lighting

HDRI map from polyhaven.com

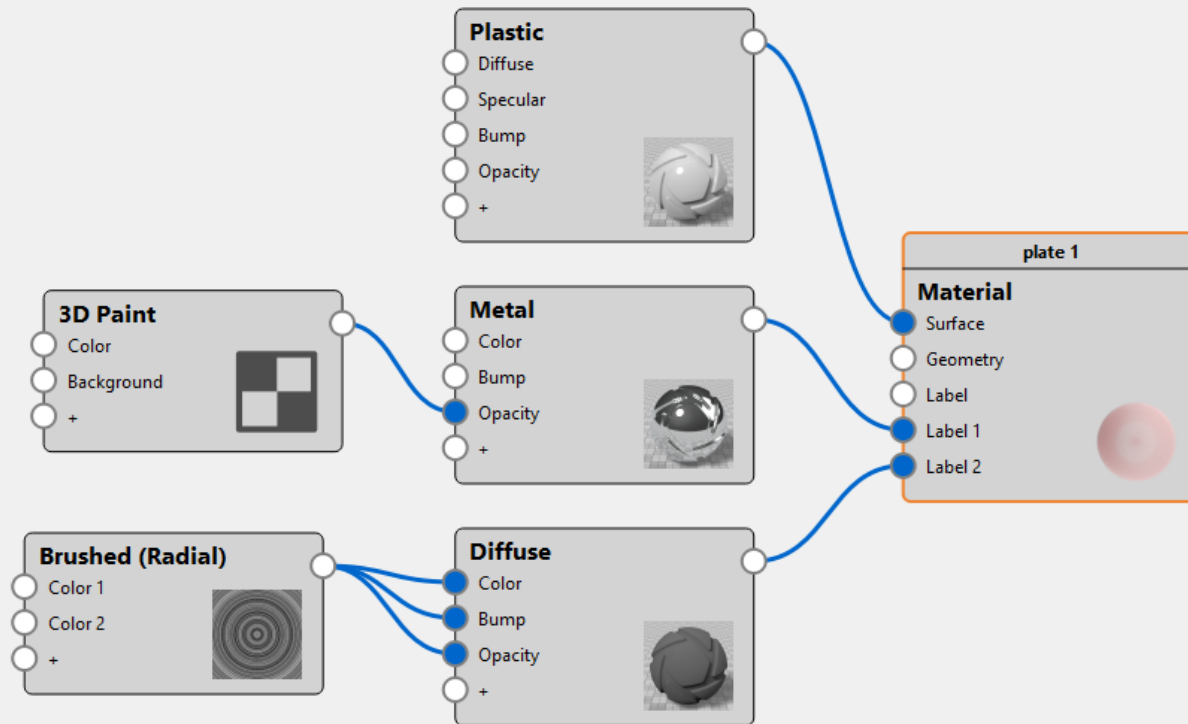
1 Area Light - library material

3 spot lights - library material



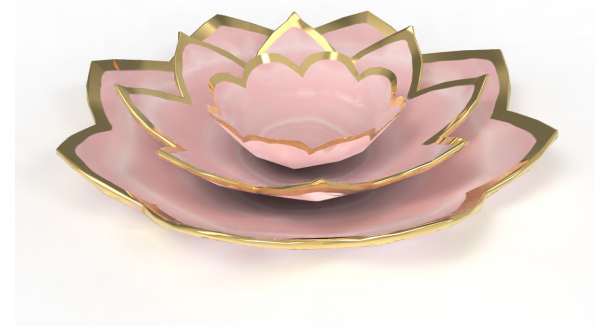
Materials List

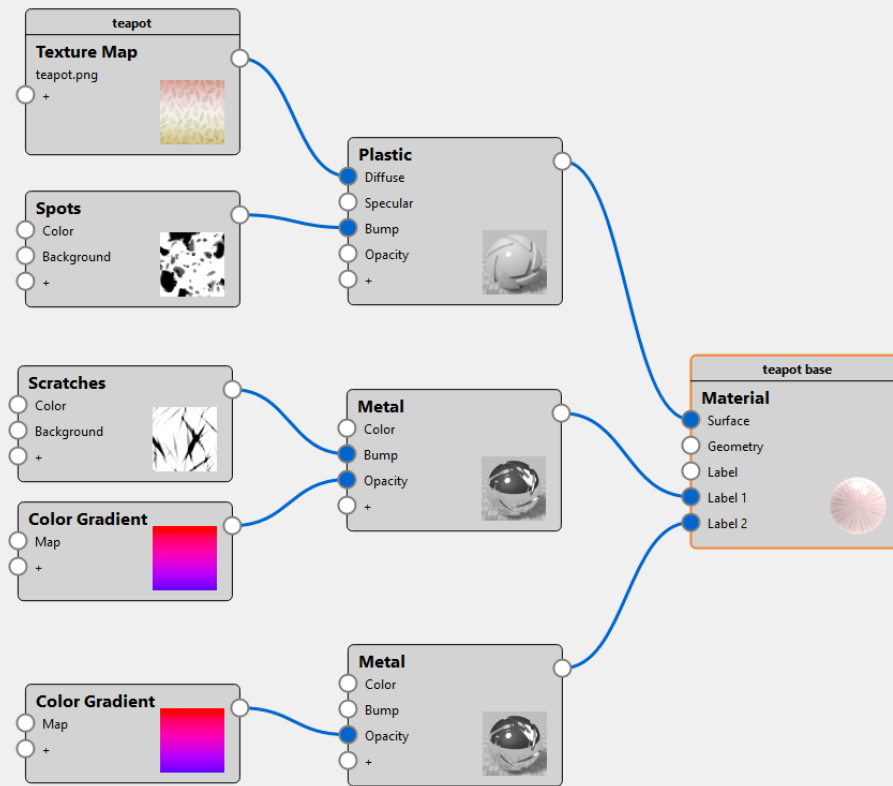
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|--|--|------------------------------------|
| 1. Plate Set - custom material | 7. Chopsticks - custom material | 13. Pastries - custom material |
| 2. Tray - library material | 8. Silverware (wooden handles) - custom material | 14. Strawberries - custom material |
| 3. Tea Set - custom material | 9. Silverware (gold) - library material | 15. Apple - custom material |
| 4. Glassware - library + custom material | 10. Lamp - library + custom material | 16. Cake - custom material |
| 5. Orchid - custom material | 11. Glass bowl - library material | 17. Table Frame - library material |
| 6. Planter - custom material | 12. Bark bowl - custom material | 18. Table - library material |



Custom Material for Plate Set

- each plate has its own material (graph for largest plate is shown)
- plate geometry created by me in Rhino3D

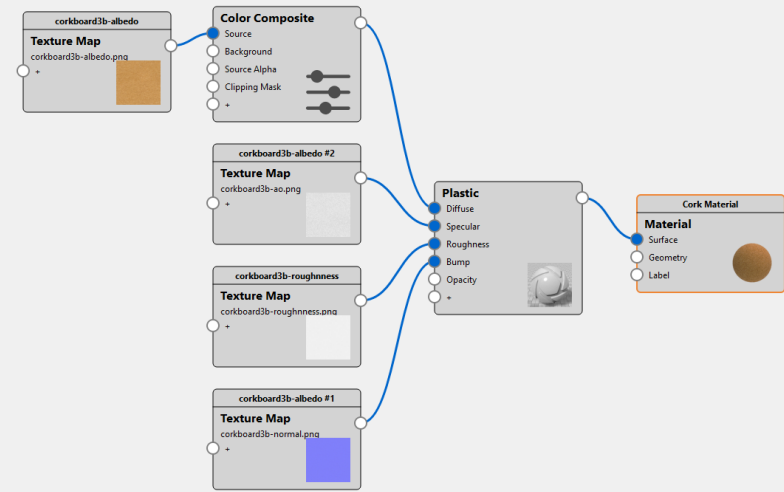
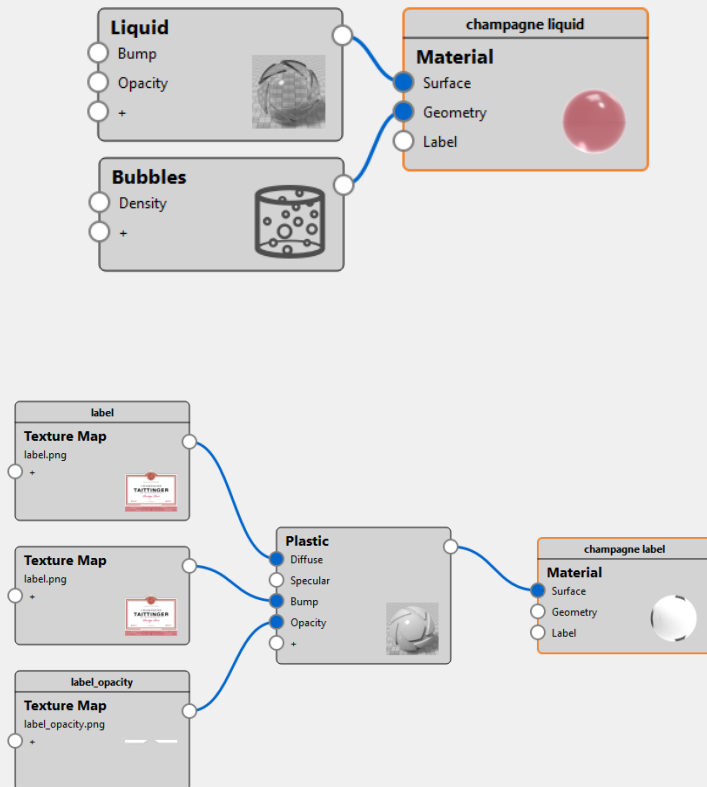




Custom Material for Tea Set

- tea cup, teapot and tray are different materials
- leaf texture map created in photoshop
- tray material from Keyshot library

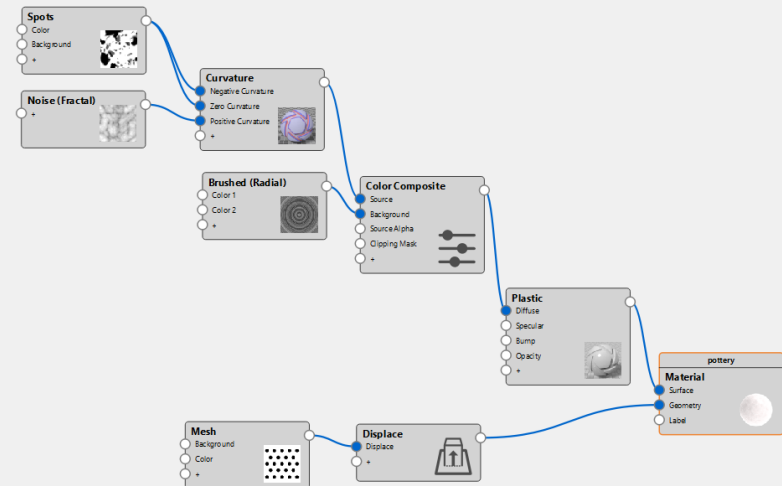
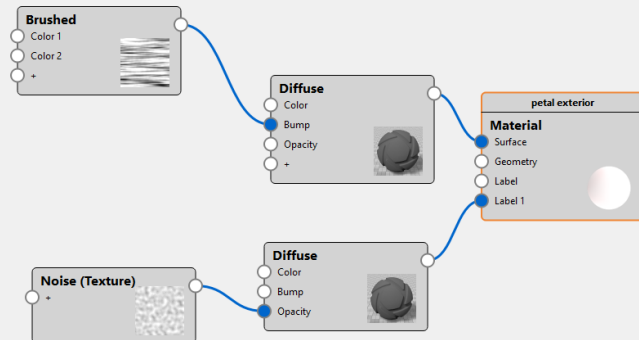
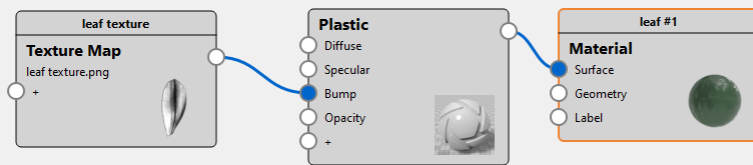




Custom Material for Glassware

- glass material from Keyshot library
- cork and wine label are custom materials
- label textures created in photoshop
- liquid is a custom material

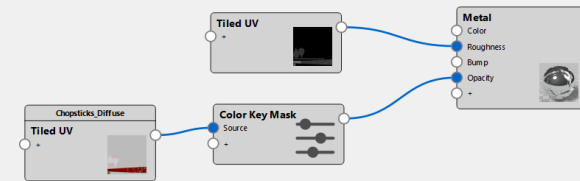
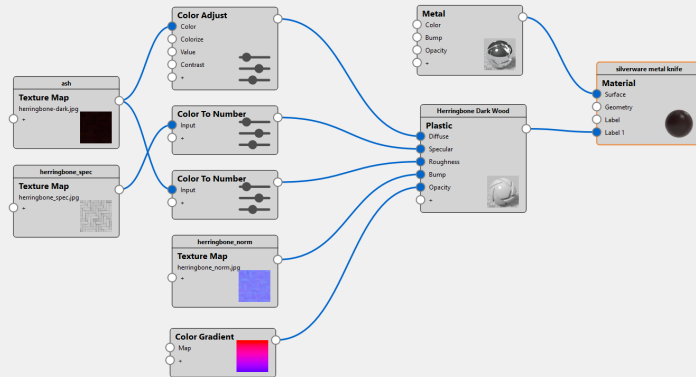
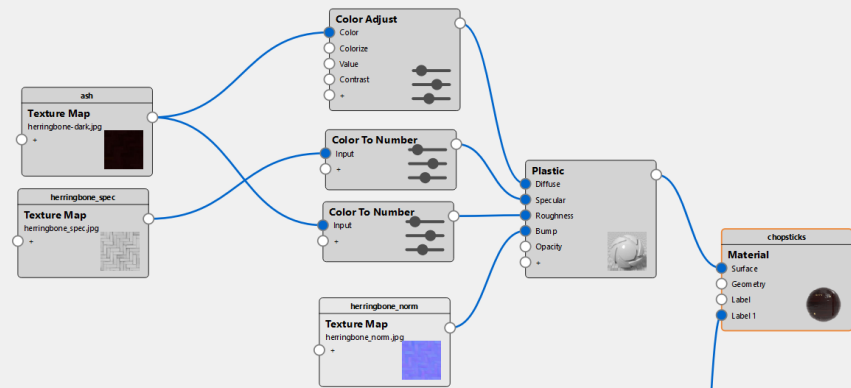




Custom Material for Orchid + Planter

- petals, leaf, stem, bud, orchid tie, dirt are all different materials
- each leaf has its own material
- leaf bump map created in photoshop

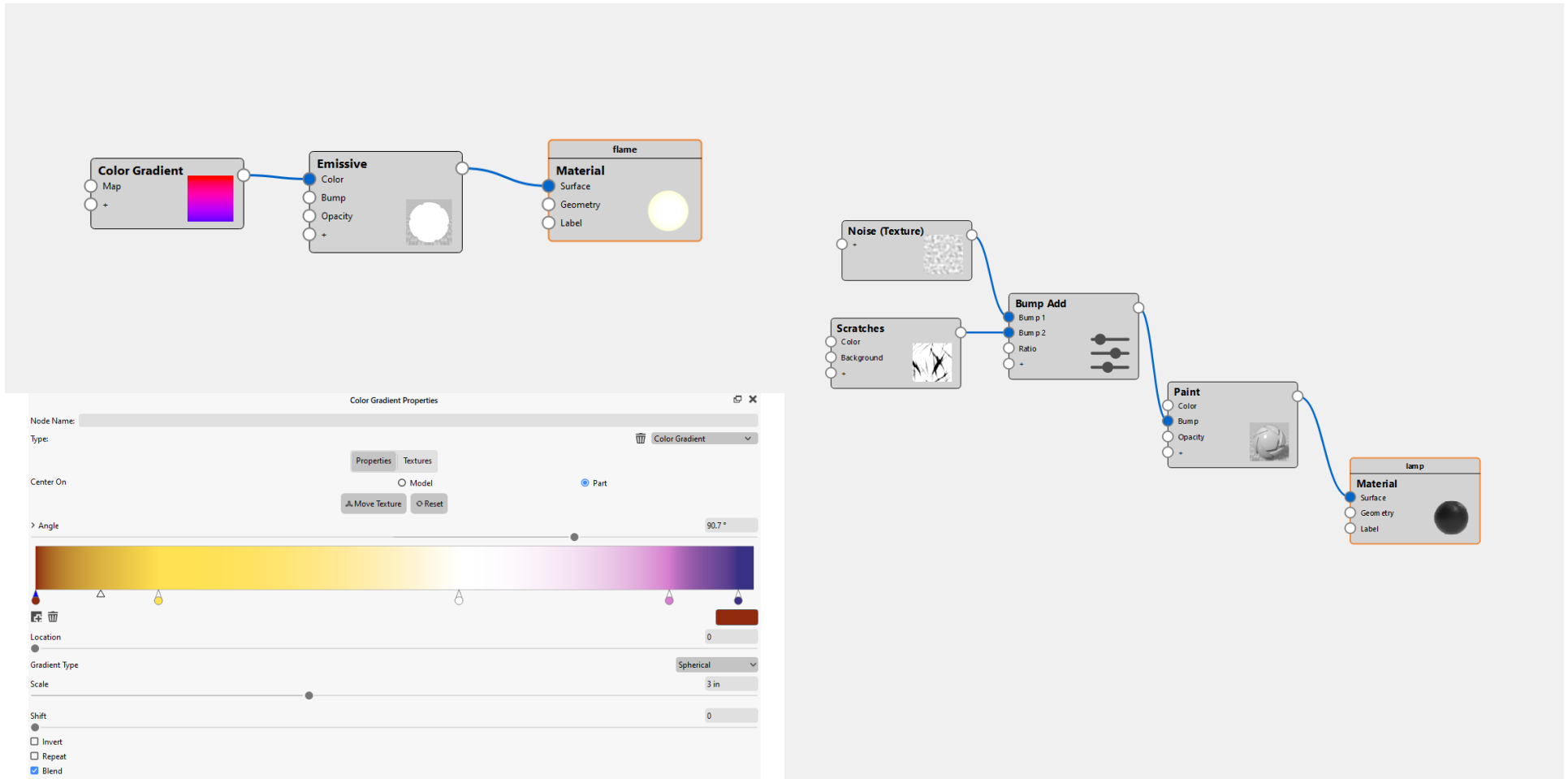




Custom Material for Silverware

- chopsticks & rest, silverware with handles are custom materials
- wooden spoon, knife, and fork are different materials
- golden silverware are library materials

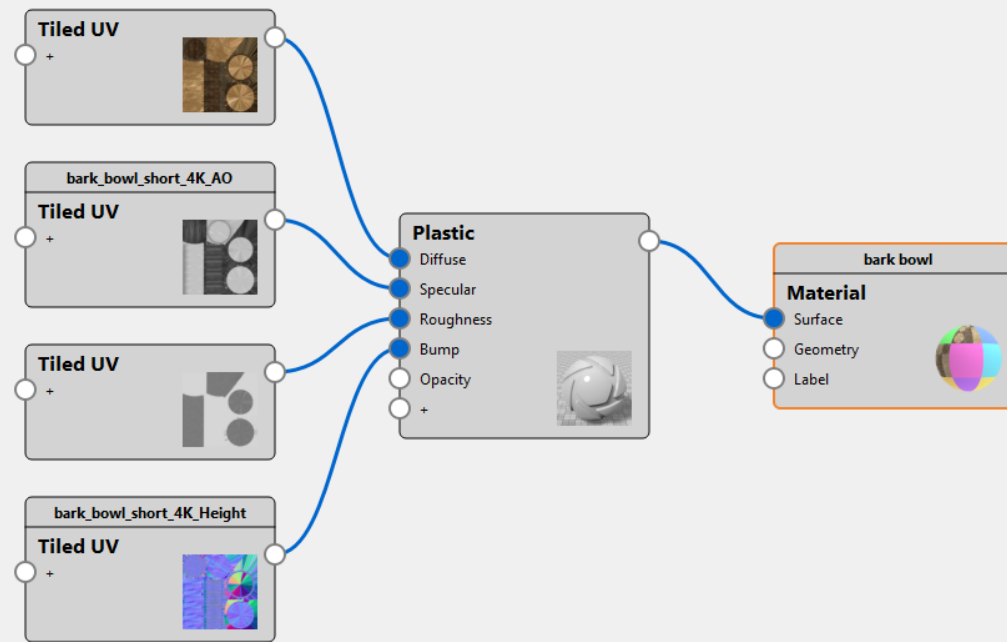




Custom Material for Lamp

- flame (emissive) and lamp shade are custom materials
- candle wax and lamp metal holder are library materials

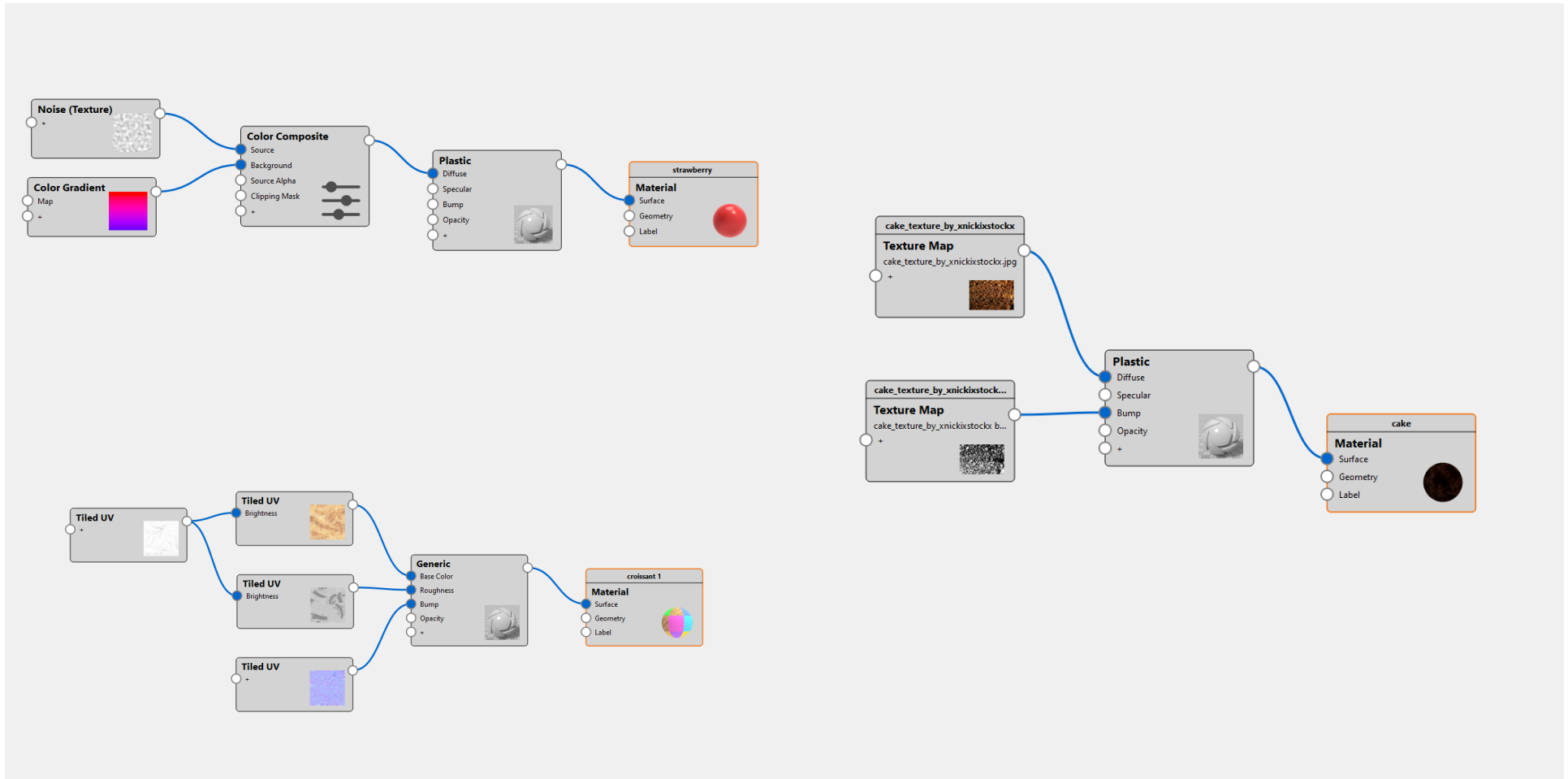




Custom Material for Bark Bowl

- bark bowl is a custom tiled UV mapped material





Custom Material for Food

- strawberry (leaves, seeds, berry), apple, cake, pastries are all different materials
- croissants, cinammon roll, and apple are tiled UV texture mapped materials





Inspiration

From Homework 1 Pinterest Board