**Ƒinal project proposal**

Create a proposal pitch for your final project. Your pitch should include

* a concept, including concept sketches, intended use case, context

**Concept**Propagation Station  
  
**Use Case**   
A propagation station is essentially a “shelf” for propagating plants. Propagating plants is the process of taking a cutting, placing it in water/sunlight, and growing roots until you can plant it.  
Plants from plants!

**Context**  
I have plants in random jars taking up my windowsill currently, and I want to make something that will look nicer.   
  
(sketch here)

**Breakdown of Tasks**

* Concepting & Sketching
* 3D Modelling in Rhino
* 3D Printing Frame
* Laser Cutting Slats
* Incorporating Stock Parts (Tubes)
* Finishing and Documentation

**Timeline**This timeline was built with ranges to give myself extra time if needed.

* **11/16** – Concepting, Sketching, & Ordering Materials
* **11/17 – 11/21** 3D Modelling in Rhino
* **11/22** – Present Proposal
* **11/23 – 11/26** – 3D Printing Tests
* **11/26 – 11/28 (or until time to laser cut) –** Print Frame
* **11/28 – 12/1 –** Laser cut wood and test slat fit
  + **Contingency plan 1:** Can switch to acrylic or another material if there are issues with wood.
  + **Contingency plan 2:** If this fails, 3D print slats with an interference fit.
* **12/2 – 12/4** – Finishing & Photography
* **12/5** – Code and submit documentation
* **12/6** – Final Project Due

**Bill of Materials**

* **11/16/ASAP**
  + Tubes | 10 | <https://www.amazon.com/dp/B09SWF7FQ5?psc=1&ref=ppx_yo2ov_dt_b_product_details>
  + Black Filament | 30 | <https://www.amazon.com/dp/B09SM6HLPX?psc=1&ref=ppx_yo2ov_dt_b_product_details>
  + Wood: Lowes (Kind & Price TBD based on availability)
* **By 12/2**
  + Wood Stain (Can Change Color/Brand) | ~8 | <https://www.lowes.com/pd/Minwax-Wood-Finish-Early-American-Oil-Based-Interior-Stain-Actual-Net-Contents-8-fl-oz/999914531>
  + Sandpaper | 6 | <https://www.amazon.com/dp/B07R64PZ8N?psc=1&ref=ppx_yo2ov_dt_b_product_details>