

Van Nguyen

Professor Durie

ART103

February 23, 2022

Assignment 4: Phase 1 Tessle Mod

Group “Ramenn”: Alyssa, Mandy, Robert, Van.

Phase 1: Intro, Background and 4 Tessellation and Module Exercises with Scissors

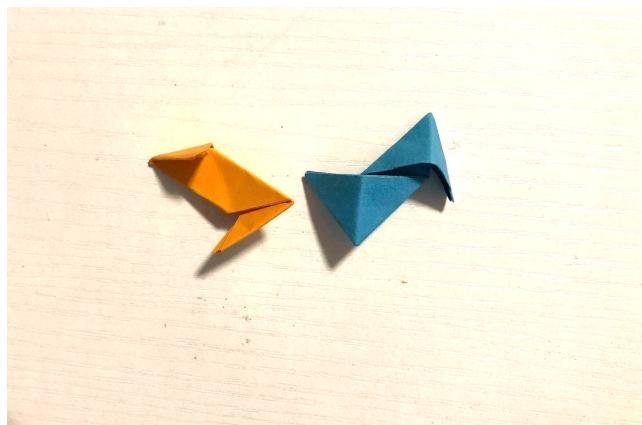
Unfortunately, I was not able to attend class during this week, therefore I couldn't participate in the beginning of this group project. However, I had a look at what my group mates and everyone else in the class were doing, so this is my attempt at making a simple modular.

Exercise 1 -- Simple Modular

I made an origami Paper Ninja Star following this [Youtube Tutorial](#).

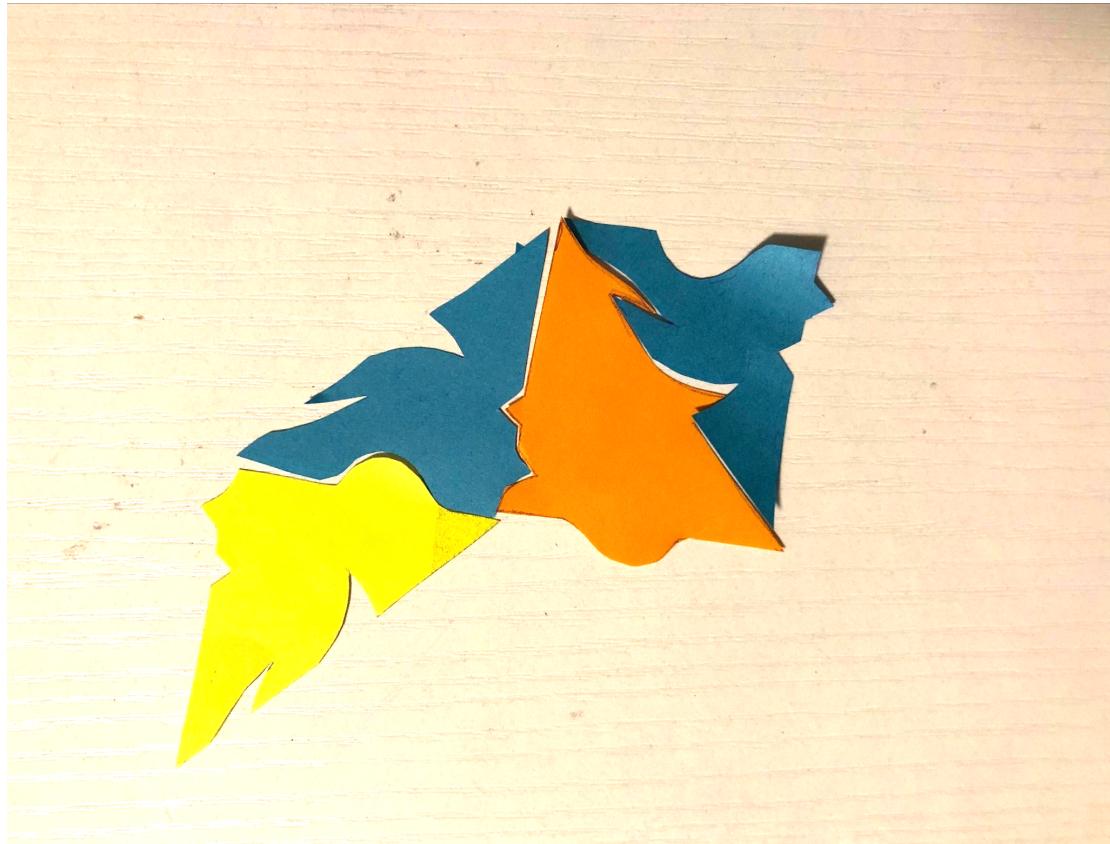


(finished piece)



(individual shapes)

Exercise 2 -- Tessellations and Modules



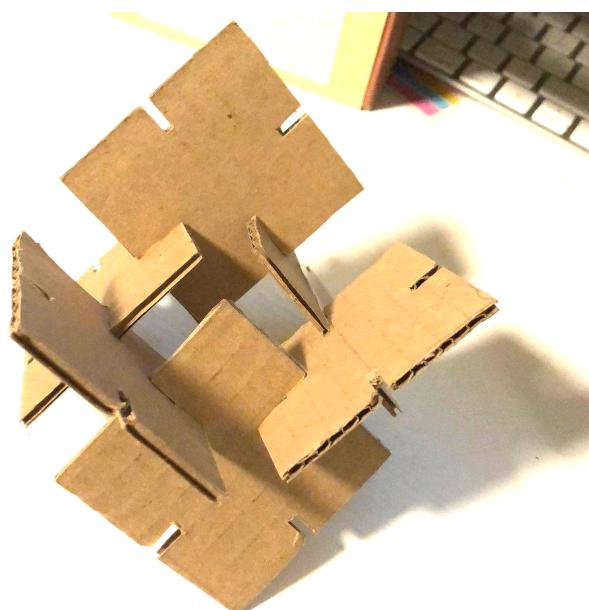
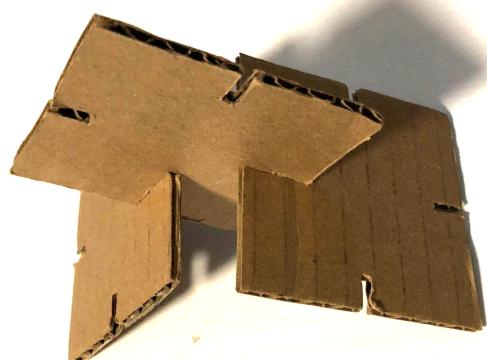
I created a tessellating shape out of construction paper. Unable to be there in class with my group mates, however, I did my own version in which I made 3 different shapes tessellate with each other perfectly. This is the [tutorial](#).

Exercise 3 -- Modular Origami with Groups

[Tutorial](#).

Exercise 4 -- 3D Fastener BrainStorming Designs, Mockups and Design Approaches

I chose to work on Option B to use a thicker material, which is cardboard. I cut them into square shapes about 3x3 inches. The type of fastener that I chose is the Slotting Joint, which I made for cuts on each side of the square with the width equal to the thickness of the cardboard. My fastener can work on three dimensions, however the variety in shape is limited, which I will keep in mind in order to experiment and improve our coming project.



Phase 2 -- Digital based designs and 'Goldilocks' Fastener Laser tests Laser Cut

