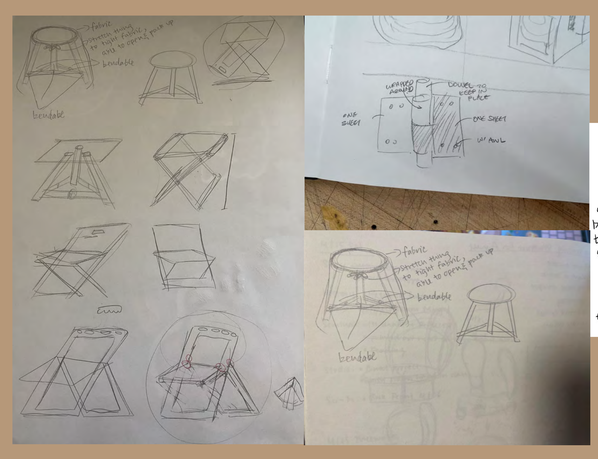
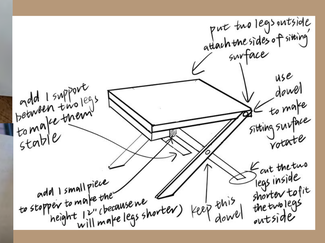
Final Iteration

Brainstorm sketches

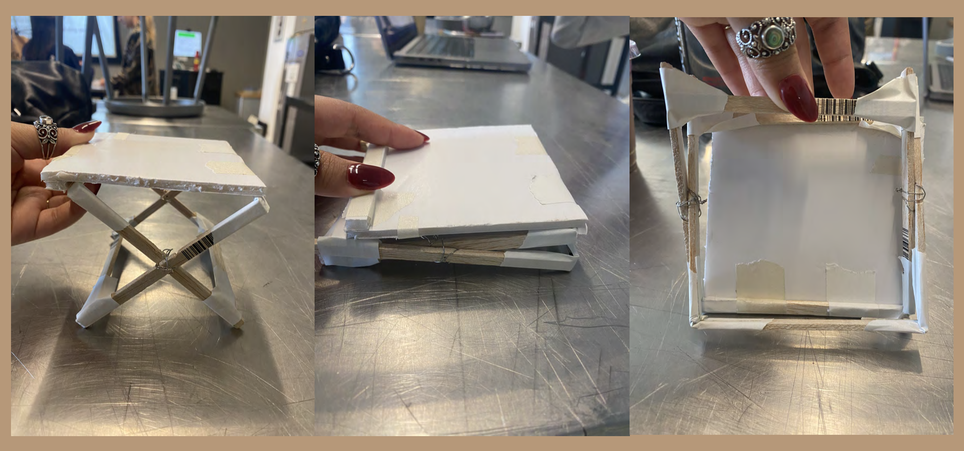




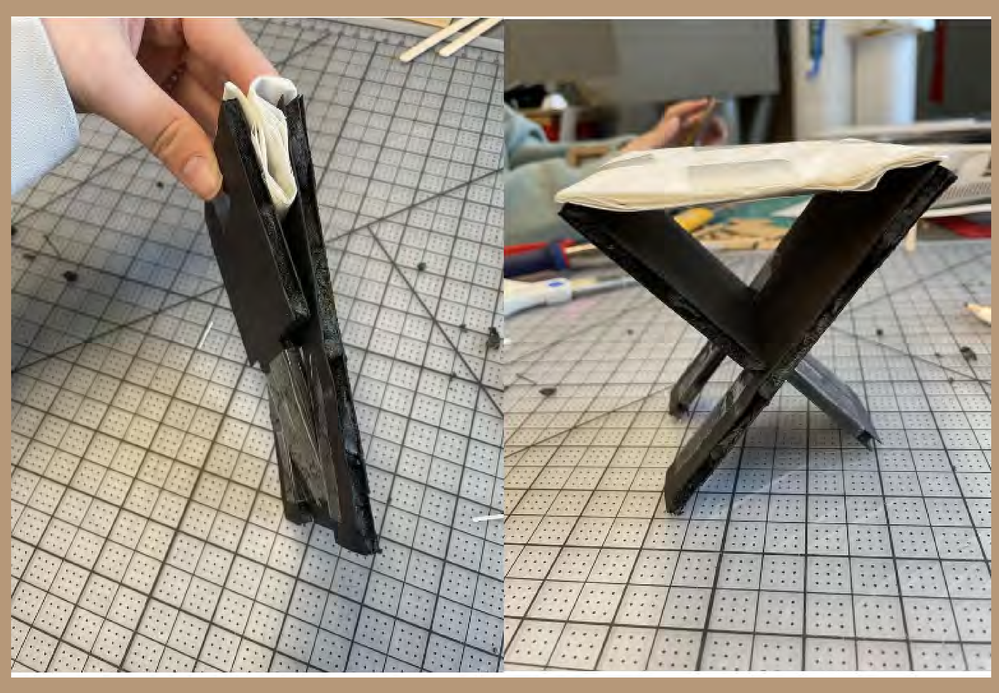
seating photos

carrying photos

3" scale model



research



final design

Reflection

Our group chair design is a chair with two legs crossing each other on each side and they are foldable by rotating them around the connecting dowels. My cardboard model is very different from the final iteration because my cardboard model was not carryable and I couldn't think of a way to make it carrayable, so my group decided on this new design all together.We were inspired by the research design another group did in class as shown above, but we changed the fabric to a piece of wood so it's big enough for us to sit and fit the height requirements. The seating structure and the supporting legs are two separate structures and in order to stop the legs from falling, we put two stoppers on each side of the seating surface so the legs stop on the side and support the seating part. One of the stopper is on the bottom and one is on the side because we decided to add the stopper on the side after failing to use fabric as a conenctor between the two parts. After one groupmate tried using fabric, we realized that the fabric wasn't strong enough and didn't glue to the wood as tight as we wished. Most of our problems during the model making was about how to connect the two parts together and we failed after trying to use fabric and dowels, so we decided to leave them separate and add a stopper on the other side. I think we had to do multiple tries to figure this out because none of us were familiar with wood and we were just not sure if things would work out. If I would to do this again, I would definitely think and test the design more thoroughly before actually making it with wood. Overall, this project was very satisfying at the end when I saw my finished chair and I got a lot closer with my groupmates through doing this project together. However, I do wished that we had try other materials other than wood and I want to explore the different possible materials if we were given more time.