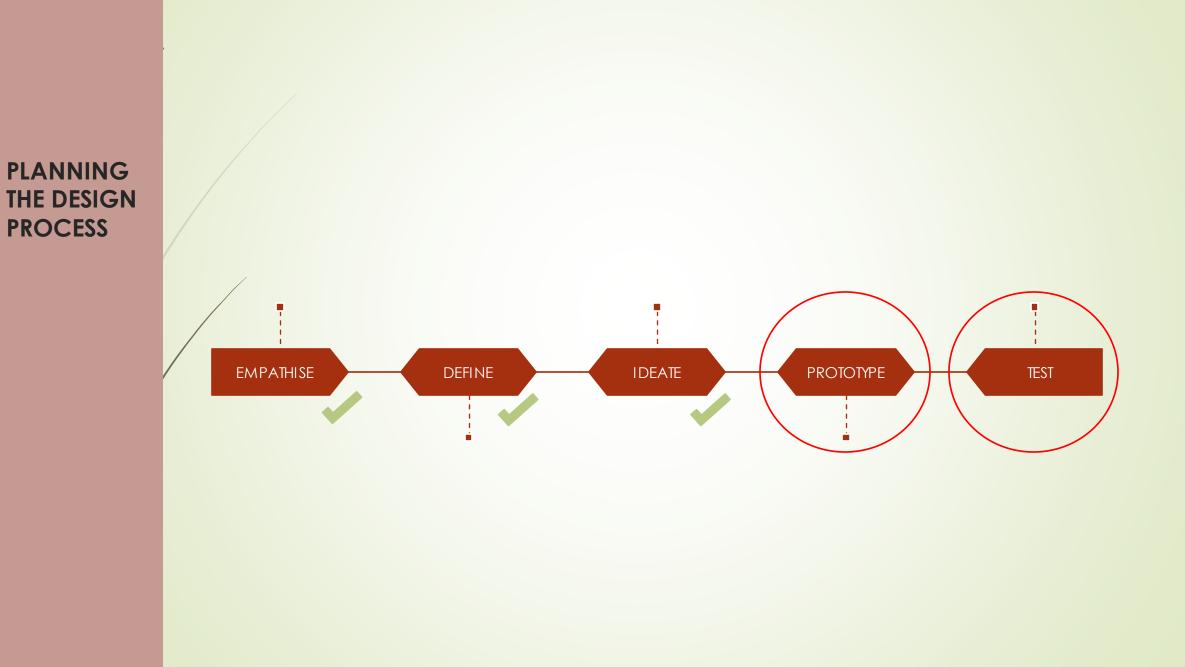
2023 Design Technology-Side Table

By Lojine Ghanem Yr 12, 0521972





MODEL PHOTOS



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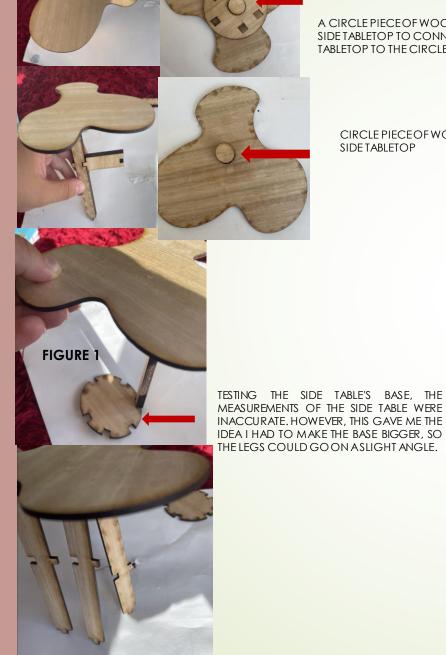
MODEL SIDE TABLE PROCESS



THESE LEG PIECES WERE CUT DOWN BY 5CM FROM 50CM TO 45CM. THIS IS DUE TO THE ORIGINAL LEG PIECES BEING TOO HIGH AND BEING DISPROPORTIONATE TO THE SIDE TABLE TOP.



TESTING THE STRUCTURE OF THE SIDE TABLE



A CIRCLE PIECE OF WOOD IS GLUED TO THE SIDE TABLETOP TO CONNECT THESIDE TABLETOP TO THE CIRCLE WITH THEHOLE.

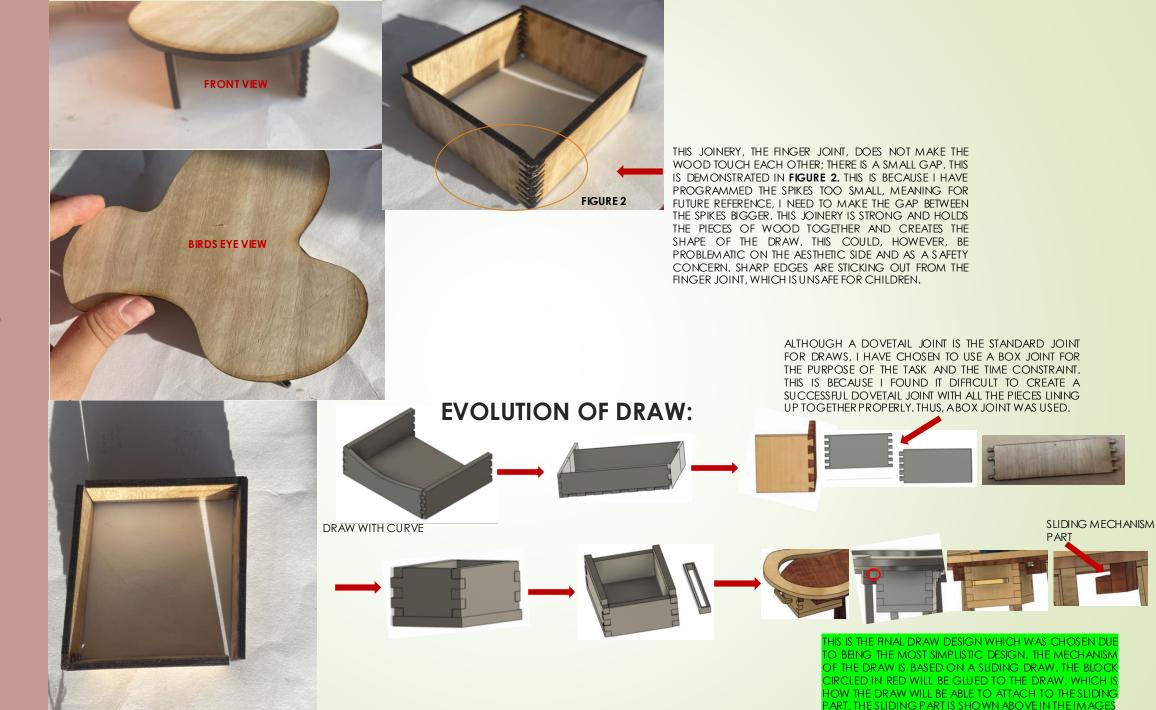
CIRCLE PIECEOF WOOD GLUED TO THE **SIDE TABLETOP**



I GLUED A PIECE UNDER THE BASE TO TEST IF I SHOULD MAKE THE MODEL LIKE THIS OR AS IN FIGURE 1. I CONCLUDED THAT FIGURE 1 WAS THE BETTER DESIGN DUE TO IT BEING MUCH EASIER TO FIT THE LEGS IN AND FOR THEM TO STAY IN THE HOLE. WHEREAS IN THIS DESIGN, IT WAS MUCH MORE DIFFICULT FOR THE LEGS TO STAY UP WITHOUT SUPPORT.

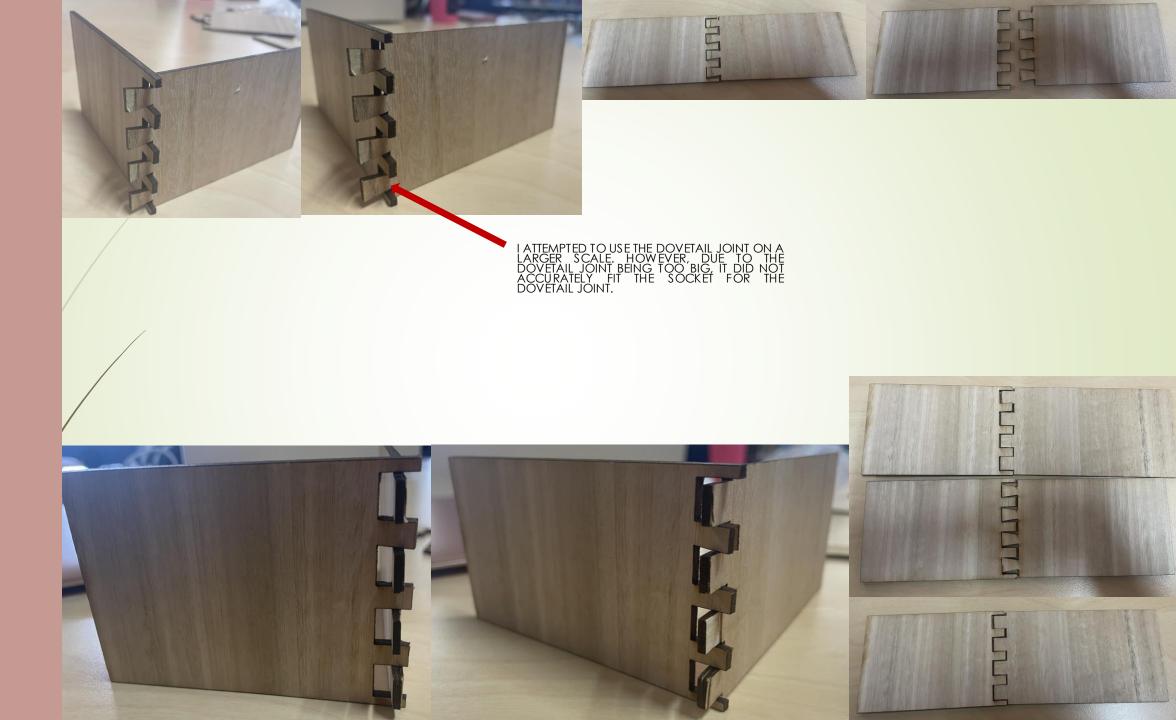




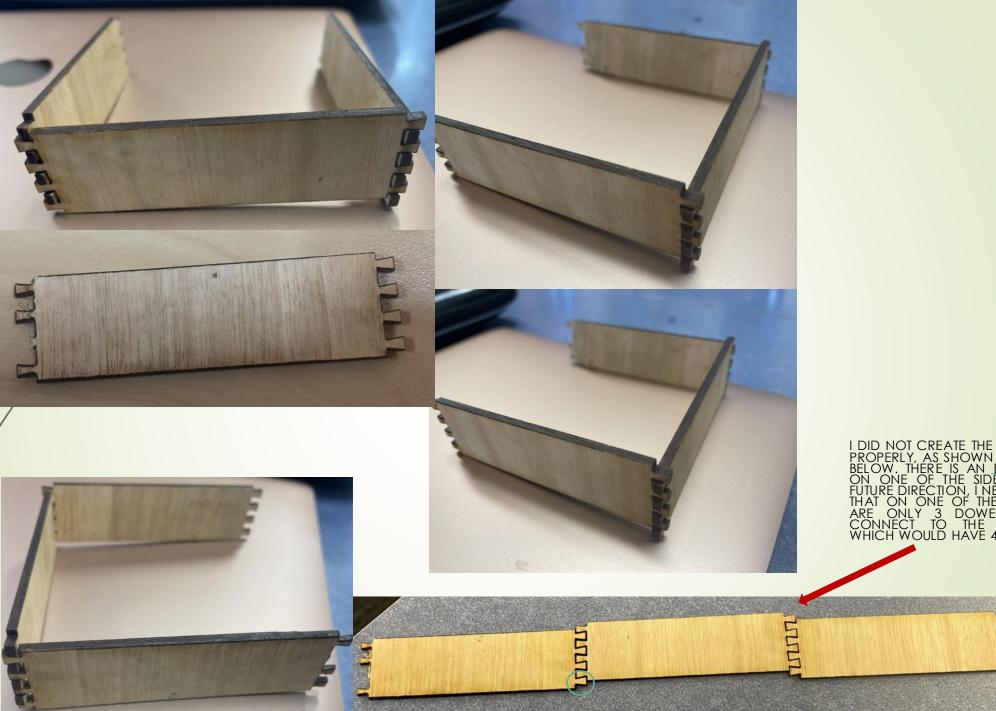


DRAW TESTING-JOINERY

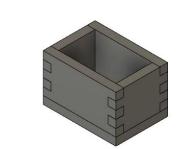








I DID NOT CREATE THE DOWEL JOINT PROPERLY, AS SHOWN IN THE IMAGE BELOW. THERE IS AN EXTRA DOWEL ON ONE OF THE SIDES. THUS, FOR FUTURE DIRECTION, I NEED TO ENSURE THAT ON ONE OF THE SIDES, THERE ARE ONLY 3 DOWEL JOINTS TO CONNECT TO THE OTHER SIDE, WHICH WOULD HAVE 4.



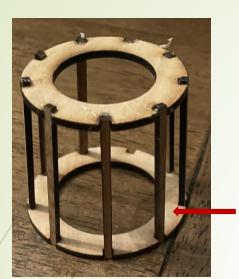
VIDEO

BOX JOINT TESTING & ANIMATION





SLIGHT ANGLE TESTING



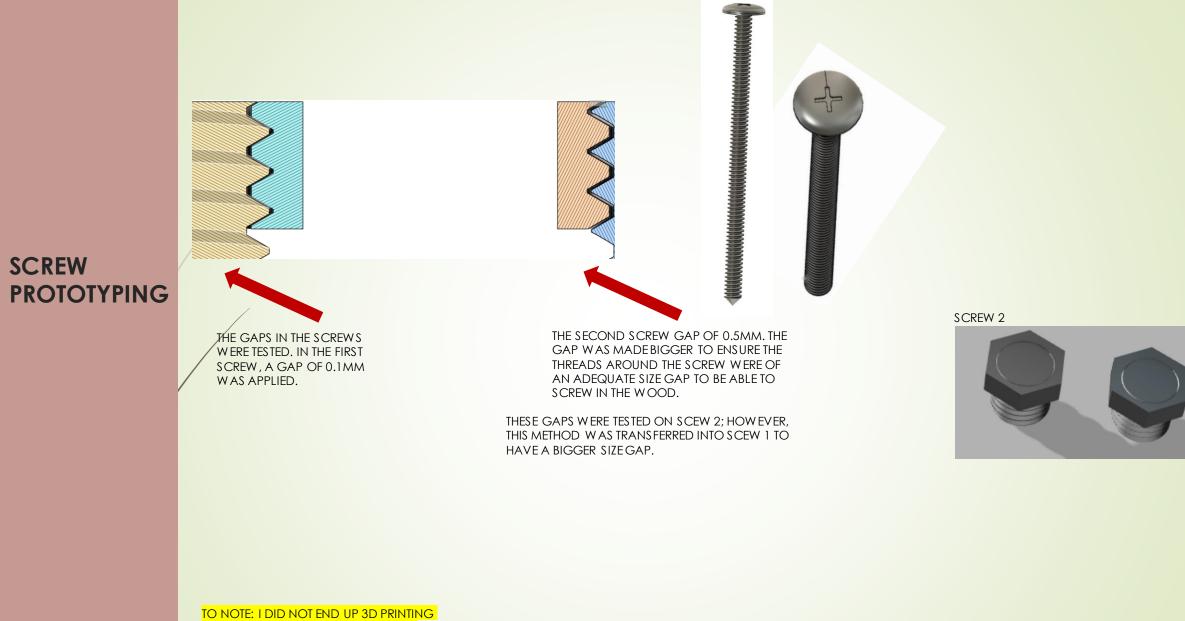
THE LEG PIECES OF WOOD WERE GLUED TOGETHER DUE TO THE LEG PIECES BEING TOO SMALL FOR THE HOLE. THIS HAPPENED DUE TO THE LASER CUTTER NOT CUTTING THE WOOD OUT FULLY ON THE FIRST GO. SO, WHEN THE LASER CUTTER CUT THE LEG PIECES OUT AGAIN, IT MADE THE WIDTH SMALLER. NEXT TIME I NEED TO MAKE SURE THAT THE LEG PIECES ARE MEASURED TO TAKE INTO CONSIDERATION OF THE LASER CUTTER CUTTING TWICE.





I IMPLEMENTED THE SUGGESTIONS FROM MY LAST DESIGN OF THE LEG PIECES BEING TOO SMALL FOR THE HOLE. THIS TIME I ENSURED THAT THE LEG PIECES WERE BIGGER IN THE WIDTH TO ALLOW FOR THE LASER CUTTER TO CUT TWICE.





TO NOTE: I DID NOT END UP 3D PRINTING THE S CREW S, AS THERE ENDED UP NO NEED FOR THEM.

VIDEO



DEMONSTRATION OF SIDE TABLE DRAW