



Shipping News

Lean Manufacturing and Product
Development

Overview



YOU ARE STARTING A NEW TEAM OF SHIPPING SUPPLY MANUFACTURING AND HAVE A UNIQUE FLATPACK BOX DESIGN FOR CUSTOMERS. YOU WILL BE CREATING A PRODUCT THAT CAN BE SHIPPING EASILY SO THAT CUSTOMERS CAN BUILD YOUR BOX EFFECTIVELY AND MATCH IT WITH THEIR PRODUCT.



AS A TEAM YOU WILL BE DEVELOPING A FLATPACK BOX DESIGN, BUILDING A CUSTOMER PROFILE, AND DESIGNING A MANUFACTURING PROCESS FOR YOUR DESIGN AND HELP CREATE A MARKETING PITCH FOR HOW YOUR DESIGN CAN EASILY INTEGRATE INTO SOMEONE ELSE'S MANUFACTURING PROCESS.

Team

Design Engineer

Marketing Analyst

Process Control Specialist

Folding Technician

Design Engineer



You will design a flatpack product based on the ideas of the team using a 2D design package, like Illustrator.



You must collect all of your iterations of the design and design for laser cutting, vinyl cutter, CNC or manual processes.



The design must spec the materials used and differentiate between fold and cut lines.

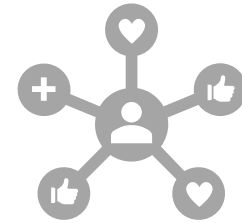


This design will be tested.

Marketing Analyst

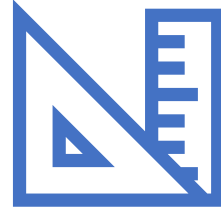


You are to develop a customer profile and determine the product they make that needs a shipping package custom to their needs.



Create a pitch and presentation for the product and why it meets the customer's needs.

Process Control Specialist



You must design the manufacturing process for this flatpack design.



The flatpack design must also meet the needs of the customer's industry.



Work closely with the technician to create instructions that make sense to your industry and the customer's...

Folding Technician



You must test out the engineer's design and provide feedback. Take the prototypes to testing!



You will also work with the process specialist to develop clear and minimal instructions for each industry.



Define the manufacturing processes and utilize them to make the first prototype, i.e. laser cut, vinyl cutter, CNC etc.

You are the one.

Rubber Ducky

- 2.5" Tall
- 2" Wide
- 3" Length





Testing

We will test the designs out next class by switching out instructions etc...