

# WONDER FACTORY

## Team 2-A:

- Shamlan Alshammari -----→ Client Contact
- Bader Alshammari -----→ Project Manager
- Mohammad Alsaïdi ---→ Web Developer / Document Manager
- Mohammad Alotaibi -----→ Budget Holder

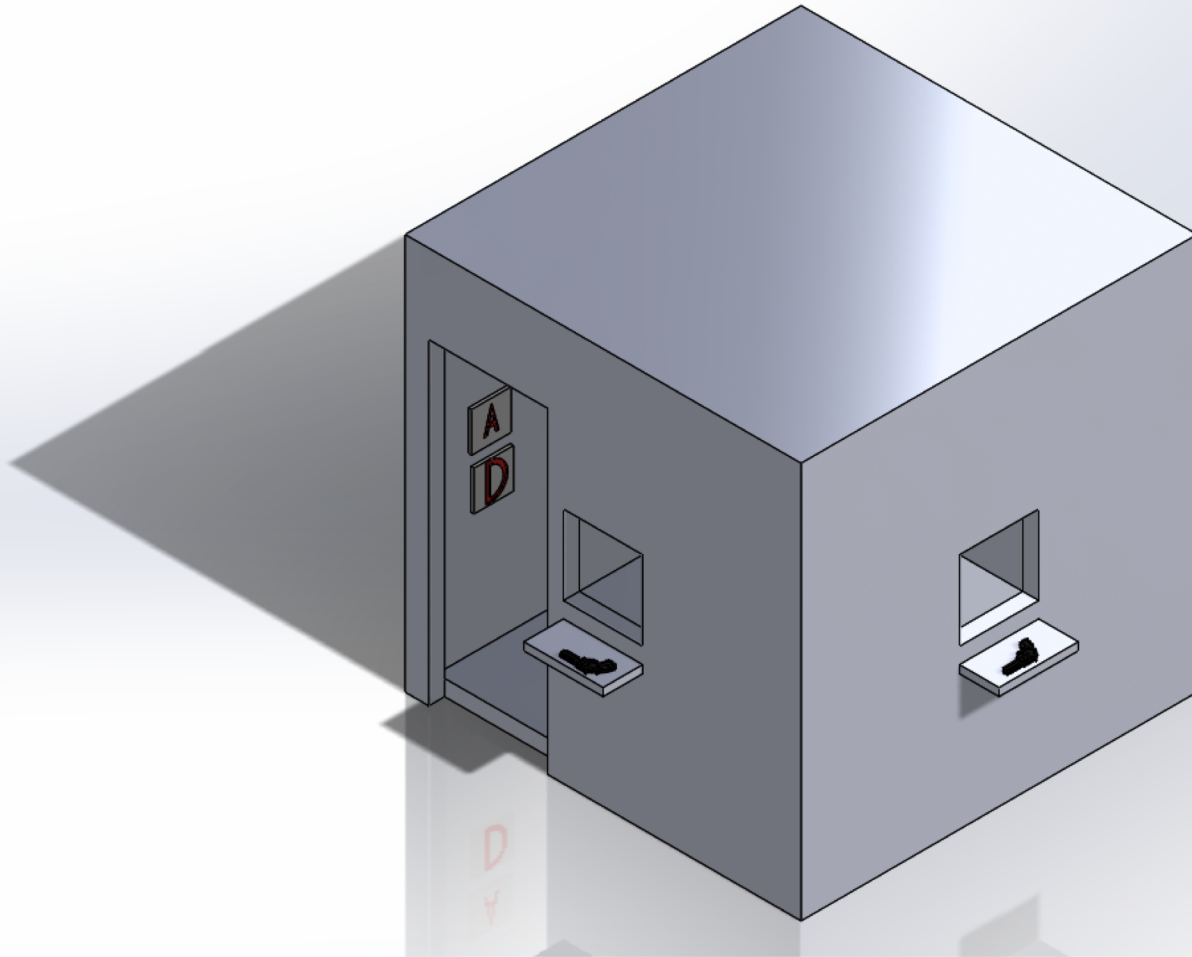
# PROJECT DESCRIPTION

- We are building Wonder Factory
- Wonder Factory is a place to display items for children's
- Items which follows the concept under STEAM are:
  - **Science**
  - **Technology**
  - **Engineering**
  - **Art**
  - **Mathematics**

# CLIENT DETAILS

- Wonder Factory is actually a project led by
  - **Jackee Alston.**
  - **Steve Alston.**
- Wonder Factory has already created in Flagstaff where children comes for educational and entertaining products
- Project is sponsoring by these two clients
- It is important to know about sponsors because they are actually running the Wonder Factory so they will better judge our project and we have to make the project up to their mark.

# CAD





# CUSTOMER REQUIREMENTS

- The client requires the team to come up with a design that meets a specific requirements.
- Our clients requirements :
- Safe to operate
- Child-like wonder
- Tactile, auditory, and visual
- Simple to operate
- Portable
- Project them selves into the role
- Feel smart
- Multiple visitors

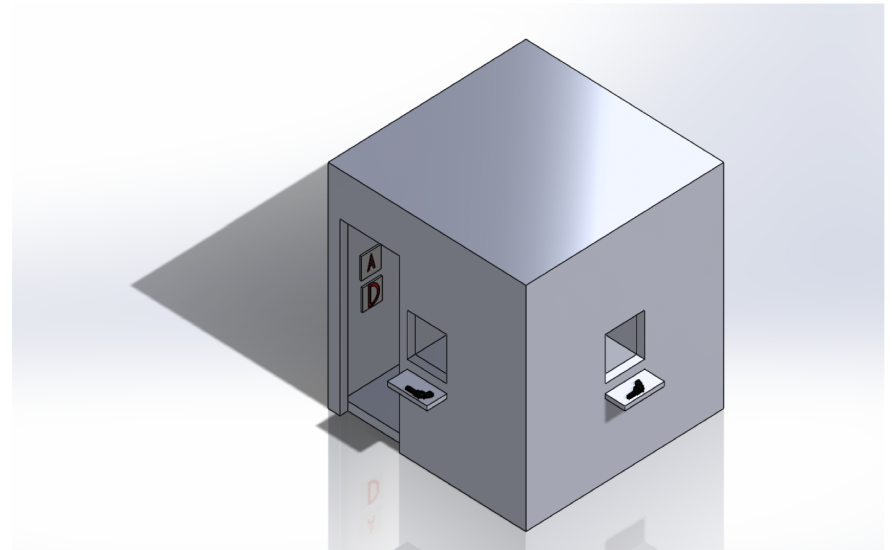


Figure-1

# WORK DIVISION

- Work has divided between all the members equally
  - **Finalized Design – All team Members**
  - **Progress Report – All team Members**
  - **BOM** – Bader Alshammari & Mohammad Alsaïdi
  - **Budget and Gantt Chart** – Mohammad Alotaibi & Shamlan Alshammari
  - **Final Report – All team Members**
  - **Final Presentation – All team Members**

# BUDGET

- Our Budget in this project goes within \$500 minimum and \$2,000 maximum
- We anticipate our project will cover the following items:
  - **Materials (40%)**
  - **Manufacturing (40%)**
  - **Prototyping (20%)**



# SCHEDULE

- Key Tasks:
- Peer Evaluations
- Website Checks
- Reports
- Prototype
- CAD DRAWING & BOM

# GANTT CHART SPRING 2018

Tasks	Due Date	Assigned Personal	Status	
Presentaion 1	1/24/2018	All	Unfinished	
Website check 1	2/6/2018	All		
Peer evaluation 1	2/21/2018	All		
Meet the TA	2/27/2018	All		
First report	3/3/2018	All		
Presentaion 2	3/6/2018	All		
Analytic analysis team	3/16/2018	All		
Website check 2	3/28/2018	All		
individual analytical analysis	4/6/2018	All		
Peer evaluation 2	11-Apr	All		
Presentaion 3	17-Apr	All		
Final report	4/27/2018	All		Finished
Final CAD &BOM	5/2/2018	All		
Website check 3	5/2/2018	All		
Final Prototype summary	5/4/2018	All		
Peer evaluation 3	5/8/2018	All		
		Finished	Finished	
		Unfinished	Unfinished	

# GANTT CHART SUMMER 2018

Tasks	Due Date	Assigned Personal	Status
Final Proposal Rewrite	week 1	All	[Blue Bar]
Individual Post Mortem	week 1	Individually	
Website Check 1	week 2	All	
Hardware Review 1	week 3	All	
Peer Evaluation 1	week 3	Individually	
Individual Analysis 2	week 4	Individually	
Midpoint Report	week 5	All	
Midpoint Presentation	week 6	All	
Hardware Review 2	week 6	All	
Peer Evaluation 2	week 6	Individually	
Draft of poster	week 7	All	
Operation Manual	week 7	All	
Final Product Testing Proof	week 8	All	
Website Check 2	week 8	All	
Final Poster	week 9	All	
Final Presentation	week 9	All	
Operation Manual	week 9	All	
Final Report	week 10	All	
Website Check 3	week 10	All	
Peer Evaluation 3	week 10	Individually	
CAD package	week 10	All	
		Unfinished	[Blue Bar]
		Finished	[Red Bar]

## REFERENCES

- [1] <https://www.aliexpress.com/item/children-s-simulation-soft-gun-model-toy-Gun-Soft-Bullet-Plasic-Gun-Toys-For-Kids-Nerf/32316846316.html>
- [2] <https://grabcad.com/library/gun-104>



**THANK YOU FOR YOUR ATTENTION!**

**Any Questions?**