



Progress Presentation Hozhoni Cleaning

Amber Juare Calvin Schnorbus Fahad Alaenezi Hasan Aldhefeery Hussain Alwateeb Team 34

Project Description

- Hozhoni (ho-sho-nee) Foundation company.
- This Company works to help disabled people.
- Client: Ms. Charlene Turman from the Hozhoni Foundation.
- Create a device that can efficiently carry cleaning supplies for those in wheelchairs.
 <u>Device must be storable and be compatible</u>



with different wheelchairs.

- Our goal is to create a system that allows wheelchair users to easily and efficiently carry cleaning supplies.
- The solution must be adaptable for different sizes or types of wheelchairs.

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What was done over the Winter break?

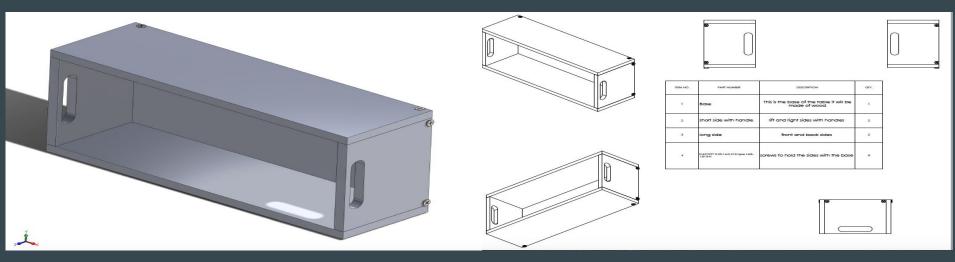


- one meeting during the winter break.
- Worked to improve the prototype by building a new box using a wood glow.
- Making plans to improve the project.



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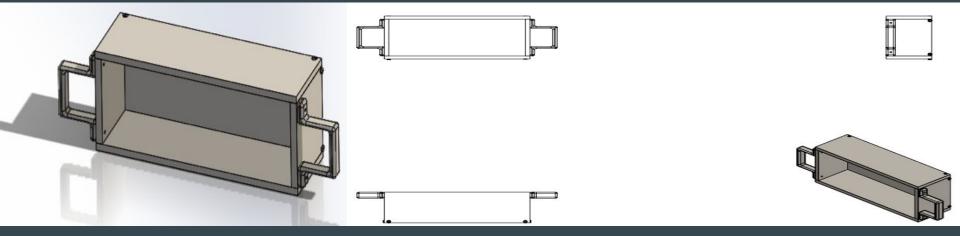
Updates – Original Design



- Simple rectangular box with holes on the side for users comfort.
- Velcro system that allows the device to stay securely on lap.
- Used a screws to attach the pieces.

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Updates – New Design



Changes	
1- Plastic or wood has (water proof).	4- wood glue instead of screws.
2- Handles instead of holes.	5- Divider.
3- Magnetic instead of Velcro.	6- Hooks.

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Manufacturing



- Tooling required: Saw(hand or electrical), Clamps, Sewing kit, Straight edge.
- Materials: 2.5 sq ft of material (wood, plastic, metal), 3 ft of elastic material, 2 ft velcro (sew-on), handles of choice, wood glue.

- Cut 3 (16 x 6) in pieces and 2 (6 x 6)in pieces.
- Glue pieces together, use clamps.
- Sew on 8 in of velcro to each end of elastic material.
- Sew on rest of velcro on the top of material and apply to bottom side of box.
- Attach handles to sides.

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Responsibilities

- Calvin- Assembly
- Fahad- Attachments/Accessories
- Hussain- Materials
- Amber & Hasan- Belt







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Budget

• Total Budget: 1,500\$

• Costs for the Prototype: 77\$

• Resulting Balance: 1,423\$



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Budget

Material	Cost	Picture	Material	Cost	Picture
Wood X2	12\$		Velcro	12\$	s street man
Screw X13	6.50\$	Contraction 2	Elastic Belt	6\$	
Handle X2	8\$		Divider	6.50\$	
Saw	20\$		Sanding	6\$	

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Gantt Chart

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GANTT.	$\mathbf{S}$	$\mathbf{i}$	2016	2017			r						-10	-10						-10	-1	-	
Name	Begin date	End date	Week 53 12/25/16	Week 1	Week 2	Week 3 1/15/17	Week 4	Week 5	Week 6 2/5/17	Week 7 2/12/17	Week 8 2/19/17	Week 9 2/28/17	Week 10 ars/17	Week 11 0/12/17	Week 12 3/19/17	Week 13	Week 14 4/2/17	Week 15 49/17	Week 16 4/18/17	Week 17 4/20/17	Week 18 4/00/17	Week 19 5/7/17	N S
TEAM meeting	1/19/17	1/19/17				1/1017																	
STAFF meeting	1/25/17	1/25/17																					
progress PRESENTATION	1/30/17	1/30/17																					
TEAM meeting	2/6/17	2/6/17																					
HARDWARE review 1	2/13/17	2/13/17																					
STAFF meeting	2/20/17	2/20/17																					
• TEAM meeting	2/27/17	2/27/17																					
MIDPOINT PRESENTATION	3/6/17	3/6/17																					
HARWARE review 2	3/20/17	3/20/17																					
TEAM meeting	3/27/17	3/27/17																					
STAFF meeting	4/3/17	4/3/17																					
PRESENTATION WALK THR	4/10/17	4/10/17															14						
FINAL PRODUCT TESTING	4/17/17	4/17/17																					
UGRADS PRESENTATION	4/24/17	4/24/17																					
• TEAM meeting	5/1/17	5/1/17																					

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#### Schedule

• According to our Gantt Chart we are on head with Schedule.

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#### Questions:

