

# GoBabyGo

Team 22; Alwaleed Alhamra, Asrar Alkhabbaz, Fawaz Almutairi, Sultan Almutairi, Eric Trieu

Date: September 27.2016

Client: Dr. Sarah Oman

## **Project Description**

- ·Go-Baby Go Club
  - Started in University of Delaware
  - Multiple chapters around the US
- •Goal: Help children with mobility challenges and enable them to interact with others
- ·Building and retrofitting a new version of mobility vehicle

### Project Description (Cont)

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Go-Baby-Go in Cleveland: <a href="https://www.youtube.com/watch?v=5twOYebytX4">https://www.youtube.com/watch?v=5twOYebytX4</a> (1 minute clip)
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## Background

- •Specifically modified vehicles for each kid with special needs
  - Powerwheels Barbie Jeep
  - Powerwheels ATV
- ·Harness Play Pen





### Benchmarking

- •Components (Accessible parts):
  - •Steering:
    - Joy-stick (powered wheel chairs)
    - Steering wheel
  - Accelerator:
    - Throttle
    - Modified button to go
  - •Safety:
    - PVC+Foam Noodles
    - Harness Straps from car seats





## **Customer Requirements**

Customer Requirement
1. Low cost
2.Ease of Assembly
3. Safety
4. Aesthetic
<ol><li>Acceleration/Deceleration Control</li></ol>
6. Comfortabilty
7. Lightweight
8. Durable

## Weighting

Customer Requirement	Weight	
1. Low cost	3	
2.Ease of Assembly	3	
3. Safety	5	
4. Aesthetic	2	
<ol><li>Acceleration/Deceleration Control</li></ol>	4	
6. Comfortabilty	4	
7. Lightweight	2	
8. Durable	4	

Scale: 1-5 (5 most important)

## Scheduling

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ACTIVITY	PLANED START	PLAN DURATION IN DAYS	PLANED END	Date 13/9	9/25	9/28	10/23	10/27		11/20	11/22	11/28
<ul><li>Presentation 1</li></ul>	13-Sep	12	25-Sep									
<b>Project Description</b>	13-Sep	12	25-Sep									
Background & Benchmarking	13-Sep	12	25-Sep									
<b>Customer Requirement</b>	13-Sep	12	25-Sep									
Schedule & Budget	13-Sep	12	25-Sep									
<ul><li>Presentation 2</li></ul>	28-Sep	25	23-Oct									
<b>Project Description</b>	28-Sep	25	23-Oct									
Design Considered	28-Sep	25	23-Oct									
Design Selected	28-Sep	25	23-Oct									
Schedule & Budget	28-Sep	25	23-Oct									
<ul><li>Presentation 3</li></ul>	27-Oct	24	20-Nov									
<b>Project Description</b>	27-Oct	24	20-Nov									
Design Description	27-Oct	24	20-Nov									
Design Requirment	27-Oct	24	20-Nov									
Schedule & Budget	27-Oct	24	20-Feb									
•Final Report	22-Nov	11	28-Nov							_		
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Fawaz Almutairi Sept.27.2016, Team 22

## Budget

- Maximum Budget to use is \$1500
- GoBabyGo approximately sold for about \$250



Asrar Alkhabbaz Sept.27.2016, Team 22

#### Thank You!