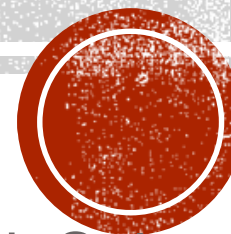




GoBabyGo



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

Date: November.29.2016

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



DESIGN DESCRIPTION



Vehicle used as base design

Initial Features:

(2) 12 V Motors

Variable speed control (2 mph & 4 mph)

Forward and reverse control

Seat belt

Operated through foot pedal or remote control

Eric Trieu

Nov.29.2016, GoBabGo-C, Team 22



DESIGN DESCRIPTION:

Joystick/Button Steering: For the child to easily maneuver the vehicle



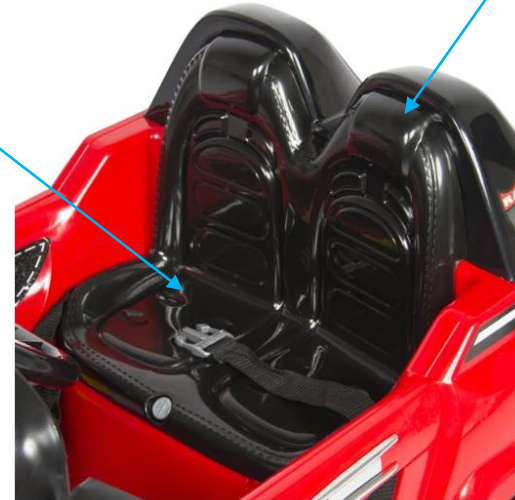
Power Steering & Window Motors:
Reduce the jerking motion during acceleration



5 Pt. Seatbelt: To secure child in the vehicle



Cushioned Seating:
Provide softer seat than the hard plastic



PVC + Foam: Prevent child from rolling outside of the vehicle

Eric Trieu

Nov.29.2016, GoBabGo-C, Team 22



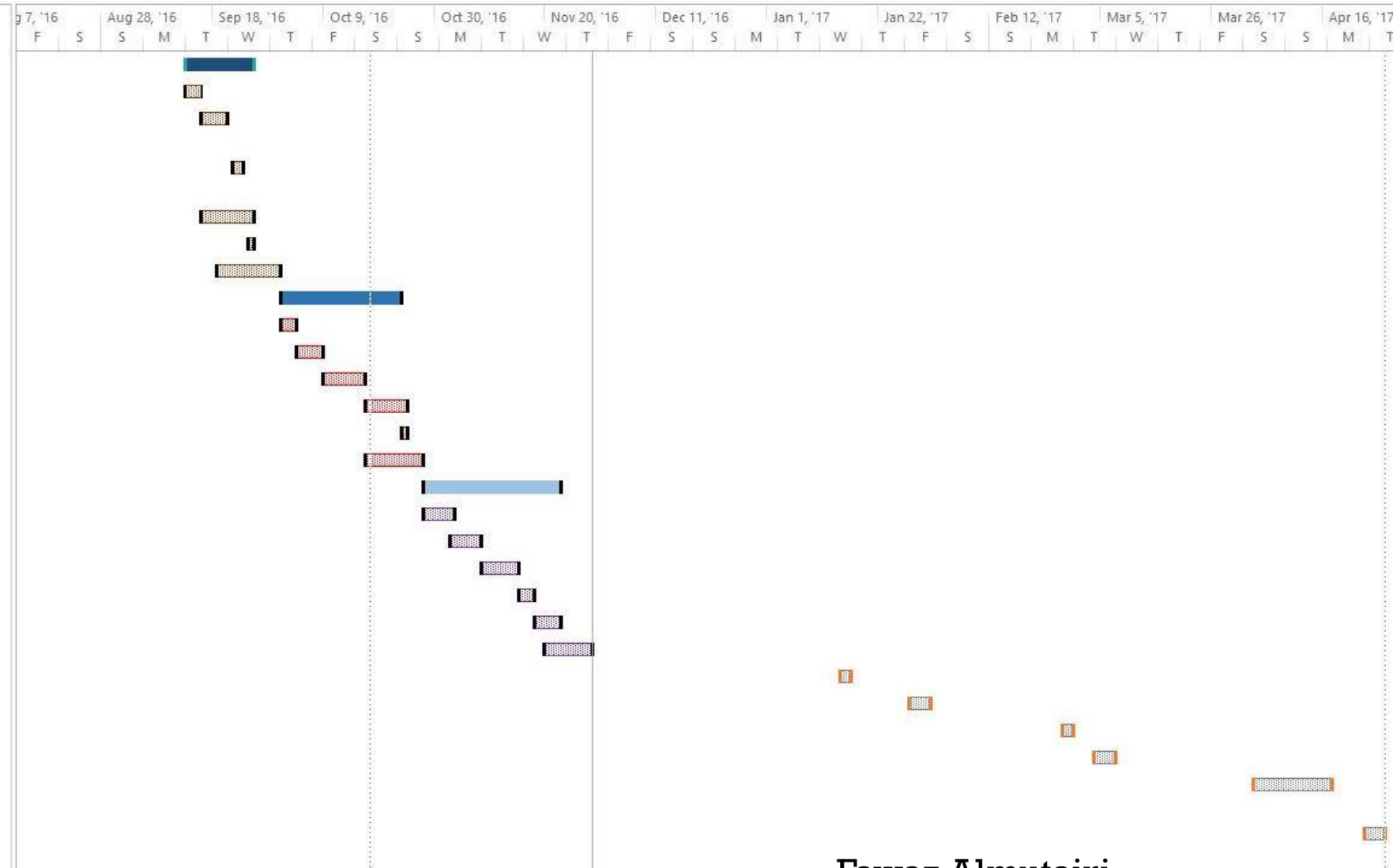
DESIGN REQUIREMENTS

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



SCHEDULE

Task Mode	Task Name	Duration	Start	Finish
1	Presentation 1	10 days	Tue 9/13/16	Sun 9/25/16
2	Project Description	3 days	Tue 9/13/16	Thu 9/15/16
3	Background & Benchmarking	3 days	Fri 9/16/16	Tue 9/20/16
4	Customer Requirement	2 days	Thu 9/22/16	Fri 9/23/16
5	Schedule & Budget	7 days	Fri 9/16/16	Sun 9/25/16
6	Powerpoint 1	1 day	Sun 9/25/16	Sun 9/25/16
7	Report 1	10 days	Mon 9/19/16	Fri 9/30/16
8	Presentation 2	17 days	Sat 10/1/16	Sun 10/23/16
9	Project Description	2 days	Sat 10/1/16	Mon 10/3/16
10	Design Considered	5 days	Tue 10/4/16	Sat 10/8/16
11	Design Selected	7 days	Sun 10/9/16	Sun 10/16/16
12	Schedule & Budget	6 days	Mon 10/17/16	Mon 10/24/16
13	Powerpoint 2	1 day	Mon 10/24/16	Mon 10/24/16
14	Report 2	9 days	Mon 10/17/16	Thu 10/27/16
15	Presentation 3	18 days	Fri 10/28/16	Tue 11/22/16
16	Project Description	4 days	Fri 10/28/16	Wed 11/2/16
17	Design Description	4 days	Wed 11/2/16	Mon 11/7/16
18	Design Requirement	5 days	Tue 11/8/16	Mon 11/14/16
19	Schedule & Budget	3 days	Tue 11/15/16	Thu 11/17/16
20	Powerpoint 3	3 days	Fri 11/18/16	Tue 11/22/16
21	Final Report	7 days	Sun 11/20/16	Mon 11/28/16
22	Team Meetings	2 days	Sun 1/15/17	Mon 1/16/17
23	Presentation 1	3 days	Sat 1/28/17	Tue 1/31/17
24	Team Meetings	2 days	Sun 2/26/17	Mon 2/27/17
25	Presentation 2	3 days	Sat 3/4/17	Tue 3/7/17
26	Final Product Testing Proof	11 days	Mon 4/3/17	Mon 4/17/17
27	Final presentation	4 days	Mon 4/24/17	Thu 4/27/17



Fawaz Almutairi

Nov.29.2016, GoBabGo-C, Team



BUDGET

Bill of Materials				
Project 2 TBDS Device Name				
Team 22				
Part Name	Qty	Description	Cost	Link to Cost estimate
Hub AM-2279	1	Motor	\$15.00	Andymark.com
Window Motor AM-2235	1	Power Steering	\$39.00	Andymark.com
Big Dome Push Button -Red	1	Button	\$16.95	amazon.com
6- Volt Rechargeable Battery	1	Battery	\$29.40	amazon.com
Universal Baby 5-Point Harness Belt	1	Seatbelt	\$9.98	amazon.com
Power Wheel Switch	1	Switch	\$9.99	Powerwheels.com
Total Cost Estimate:			\$120.32	
Total Remaining:			\$1,379.68	



THANK YOU!!

