Engineering

	Customer Attributes	Importance	Wheeled	Breaks	wired housing	Motorized	Mounting spots	Material choice	Modular construction	Heavy duty					
Mobility	Pushable	10	9	9	0	0	1	9	3	3					
	lockable wheels	8	9	9	0	3	0	0	0	0					
	Foldable	1	1	0	9	3	3	9	9	3					
	Self Propelled	1	9	9	9	9	1	3	1	3					
Shape/ design	Handles	9	0	0	0	1	9	3	3	3					
	Color/transparency	1	0	0	0	0	0	9	0	0					
	Adjustable size	3	0	0	9	1	9	1	9	3					
	Can move heavy items	10	9	3	0	3	1	9	1	9					
	Waterproof	5	0	0	9	3	0	9	3	0					
Storage	Easily Organized	7	0	0	0	0	3	0	9	0					
	Large amount of storage space	6	0	0	0	0	3	0	9	1					
Extra functons	Cooler	1	3	0	9	0	1	3	1	3					
	Electrical hookups	6	0	0	9	9	1	3	9	0					
	Total Weight		40	30	54	32	32	58	57	28	0	0	0	0	0
	Operational Goals to achieve customer satisfaction (specification)		4 wheels mounted on bottom of cart	4 "step" locks on each wheel	1 onboard battery, 10 outlets spread throughout cart chassis.	1 low power electric motor driving wheels.	10x screw-hole mounting spots for attachments.	Usage of plexiglass panels, annodized aluminum, or stainless steel body	Snap together pieces with built in mounting slots.	Welded superstructure.					