

User Need	Attribute	Success Criteria	Owner	Notes
Easy to Understand	Number of operations necessary to use	Less than 2 actions necessary to deploy the arms	Geng	
Feels Sturdy	User comfort feedback (binary)	Comfortable	Adam/Lisa	
Won't tip over	maximum tipping angle	does not tip more than 3 deg with 300 lb load	Adam	
Fits through Doorways	Horizontal Dimensions	Less than 26" greatest width	Luke	
Usable for both short and tall users	Height of arm rails at walking position	range must include between 27" and 34"	Tim	
	Height of arm rails for transition			
User can get up nose-over-toes	Depth from end of arm rail to front of walker	95% length for adults	Tim	
Product will Last a long time	Cycle Loading	10^8 cycles* Still confirming	Fernando/Lisa	
Walker Leg won't interfere with bottom of couch	height of leg	less than 1.5"	Luke	
Walker is light enough for comfort	weight	less than 9 lbs	Julia	
Walker doesn't break at joints	joint load limits	Still determining	Fernando	
Walker doesn't pinch user	number of pinch points	0	Lisa	
Mechanism Deploys and stores with minimal effort	Force necessary to deploy/store	less than 5 lbf	Luke	
Aesthetically Pleasing	Customer acceptance survey results	greater than 2/3 of surveyed users satisfied with appearance	Stephen	
Grippable	Length of Hand Grip	greater than 6"	Mindy	
Low total Cost	USD value	<\$200	Lisa/Geng	